

Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

6.5.1 Internal Quality Assurance cell (IQAC) has contributed significantly for initializing the quality assurance strategies and processes. It reviews teaching learning process, structures and methodologies of operations and learning outcomes are periodic intervals and records incremental improvement in various activities.

The Internal Quality Assurance Cell (IQAC) of the college is established in 2017. The constitution of IQAC has external experts for industry, society and representation from parents, alumni, and students. All the departmental senior members and heads of the department are members of IQAC. It also has representatives from the library and administrative office. The role of IQAC is defining the quality standards and thus quality policy and ensuring the defined quality services in all most all the processes / services of the college.

Academic cell in consultation with IQAC prepares the Academic Calendar in accordance with the University Academic Calendar. It is circulated to all faculties. All faculties prepare their teaching plan accordingly. The IQAC committee takes the review of the syllabus completion through internal audits from the Heads of the departments to ensure smooth conduct of classes. IQAC ensures quality in the teaching learning process by taking feedback from students about the teaching learning process. The counseling is done by principal, Dean Academics and Heads of the departments for faculties whose performance is not satisfactory. IQAC has a quality policy for academic processing.

IQAC ensures the smooth and timely conduct of sessional examinations and internal practical examinations for every semester every year. IQAC has prepared the standard operating procedure for the project allotment / implementation / status review and SoP is circulated to all departments. The examination reforms are discussed in the meeting of IQAC, and a few feasible reforms are incorporated in the internal examination pattern.

■ Tel. No.: 9657667030 ■ E-mail: office of cumminscollege.edu.ir

Mouje Sukli (Gupchup), Hingna, Na









Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Course Outcomes are specific and measurable statements that define the knowledge, skills, and attitudes learners will demonstrate by the completion of a course. The benchmarks are set by IQAC for attainment of course outcomes. In the regular meetings of IQAC the result analysis for all semesters is discussed. The program outcomes, Program Specific Outcomes and articulation matrix is also discussed and the actions to be taken against analyzed gaps are also discussed and finalized in the meeting and directions to the departments are also given as a follow-up action.

MOOCs provide an affordable and flexible way to learn new technologies. Students and faculties are encouraged to undergo NPTEL courses. Faculties are encouraged to participate in various FDPs, workshops, conferences, and training programs, file patents / copyrights, journal publications. For non-teaching staff various workshops are arranged by samstha to upgrade their knowledge.

IQAC conducts regular academic administrative audits. It is done thrice in the semester. It is done by the academic audit committee under IQAC cell. External audit is also conducted this year by the external members to ensure the timely completion of the internal audit.

IQAC ensures the timely submission of AQAR every year and participation in NIRF every year.

IQAC has directed all departments for getting into the MoUs. The college has signed a MoU with 50 + industries and organizations. Looking into the need of industry an IQAC directs all departments to conduct skill development programs undertake industry-based projects and internships, visits, etc IQAC also ensures quality assurance in processes other than academics.

Tel. No.: 9657667030 E-mail: Bookston Hingna, website: www.cumminscollege.ed

Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's







Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Lesson plan and teaching plan

Lesson plan and teaching plan are prepared by all the faculties at the start of each semester. It is then submitted to Dean academics through mail. Lesson plan and teaching plan are attached in a course file. The course file is checked two times in a semester through internal Academic Administrative Audit.

The lesson plan and teaching plan for five years are attached.

■ Tel. No.: 9657667030 ■ E-mail teffice@outminscollege.edu.in, website: www.cumminscollege.edu.in

Mouje Sukli (Gupchup), Hingna, Nagpur-441110









Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Department of Allied Science

(ACADEMICYEAR 2022-23 to 2018-19)

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in









Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference







Academic year

2022-23

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in

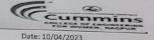








CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



COEW/AS/2003 22-23

LESSON & TEACHING PLAN for Applied Maths-II

Department of Allied Science

/EEK	Name: Prof					Sub: Applied N	Maths II	Allied Science	Year: 2	022-23	Sem:- C
Vo.	Week	Lect. Exact Topic Name & Subtopic		Video ID/ PDF	link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz	Completion Date	Assignment / Tutorial	AC's sign	
	Caralla Consti			Unit 5: Finite Differences: operator E & Delta		Aid				Date	
1	10 April - 15 April	5	v	Factorial polynomial	PDF Finite		Higher engineering)
	13 April			Lagrange's interpolation formula for unequal intervals of arguments	Difference		mathematics B. S. Grewal 946-999		12-04-23		
				Numerical Integration: Trapezoidal rule					15.01.00		
	17 April -	5	v	Simpson's 1/3rd rule	PDF Finite		Higher engineering				
	22 April			Simpson's 3/8th rule	Difference		mathematics B. S.				M
			Difference equation with constant coefficient	-		Grewal 946-999				all	
	24 Apr -	5		Unit4: Statistics: Fitting of a curve by method of least square: Straight line y = a+bx,			Higher engineering		19-04-23		1
	29 Apr	-		Second degree parabola y = a + bx + cx2	PDF Statistics		mathematics B. S.				
-				curves of the type y = aebx , y = abx and y = axb			Grewal 845-856				
			IV	Rank correlation					2504.53		
	1 May -	5		Coefficient of correlation and Lines of regression,	PDF Statistics		Higher engineering				
0	06 May		l fo	Unit 4: Vector Calculus: Vector triple product, Product of our vectors, Scalar point function, Vector point function,	PDF Integral calculus-I		mathematics B. S. Grewal 845-856		0 4.05.2		-
				ector differentiation, Gradient,	calculus-1				10403	2	110
1 1	3 May -	5		ivergence and Curl,	PDF Integral		Higher engineering				116
1	3 May		- N	irectional derivatives,	calculus-I		mathematics B. S. Grewal 302-314				11,
15	May -	-	. 50	plenoidal and Irrotational motions,	PDF I		Higher engineering		08.2-5	3	
20	May	5		ector Integration: Line integrals and Work done	PDF Integral calculus-I		mathematics B. S.				
22	May-			g and Work done	caiculus-1		Grewal 315-337		12-63		

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

JEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	link for quiz or poll	Completion Date	Assignment / Tutorial Date	AC's sign
8	29 June -	5	1	Unit 1: Integral Calculus-I: Evaluation of definite and improper Integrals: Gamma functions	PDF Integral		Higher engineering mathematics B. S.		19 0233		1
	03 June			Beta functionand their properties.	calculus-i		Grewal 315-337				
9	05 June - 10 June	4	111	Differentiation of definite integral, Mean value, Mean square value and Root mean square value.	PDF Vector calculus		Higher engineering mathematics B. S. Grewal		300523		Wo
10	12 June -	5	111	Tracing of curves (Cartesian), Applications of definite integrals to find length of curve area, volume	PDF Vector		Higher engineering mathematics B. S.				100
	17 June 5		surface area of solids of revolution (Cartesian, Polar and Parametric curves)	calculus		Grewal		02.063	3)	
11	19 June -	5	11	Unit 2: Multivariable Calculus (Integration): Multiple Integration: Double integrals (Cartesian and Polar),	PDF Multivariable		Higher engineering mathematics B. S.				
	24 June			Change of order of integration in double integrals,	Calculus		Grewal 274-219		06.06		
				Change of variables (Cartesian to Polar)							10.
	26 June -			Elementary triple integrals.	PDF		Higher engineering				1 1000
-	01 July	5	н	Applications: Area, Mass, Volume	- Multivariable Calculus		mathematics B. S. Grewal 274-219				
				Center of Gravity (constant and variable densities)					22.06.	23	1
<i>7</i> 1	0 July - 5 July	5			S	essional- II Exa	amination				

Syb. Teacher

War_

ty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



ulty Name: Prof. Sneha Uttarwar

No. Of

Lect.

5

5

6

5

6

Unit No.

V

IV

IV

Factorial polynomial

Simpson's 1/3rd rule

Simpson's 3/8th rule

Rank correlation

Divergence and Curl,

Directional derivatives,

square: Straight line y = a+bx,

Vector differentiation, Gradient,

Solenoidal and Irrotational motions,

Vector Integration: Line integrals and Work done

Numerical Integration: Trapezoidal rule

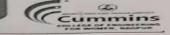
Second degree parabola y = a + bx + cx2

Unit 4: Vector Calculus: Vector triple product, Product of

four vectors, Scalar point function, Vector point function,

arguments

Maharshi Karvo Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen will a difference



Date: 05/04/2023

06 05

12/05

15 05

17/05

18/05

29/05

ASSI - II

DEW/AS / 22-23

Week

10 April -

15 April

17 April -

21 April

24 April

- 29 April

2 May -

6 May

8 May -

12 May

15 May -

20 May

22 May -Ity in Charge

EEK

LESSON & TEACHING PLAN for Applied Maths-II

PDF Integral

calculus-I

PDF Integral

calculus-I

PDF Integral

calculus-I

Sessional- I Examination

Department of Allied Science Year: 2022-23 Sub: Applied Maths II Allied Science Sem:- II Activity/ Assignment link for quiz Virtual lab Refrence Book - Chapter Completion Exact Topic Name & Subtopic Video ID/ PDF / Tutorial AC's sign link Teaching no. Page no.edition. No or poll Date Date Aid Unit 5: Finite Differences: operator E & Delta 10/04 Higher engineering PDF Finite 11/04 mathematics B.S. Difference Lagrange's interpolation formula for unequal intervals of 12/04 Grewal 946-999 13/04 Higher engineering 17/04 a)a PDF Finite mathematics B.S. Difference 17/04 Grewal 946-999 101.4 Difference equation with constant coefficient Unit4: Statistics: Fitting of a curve by method of least 21/04 Higher engineering mathematics B.S. **PDF Statistics** 24/04 ASI-I Grewal 845-856 27/04 curves of the type y = aebx , y = abx and y = axb 02/05 PDF Statistics Higher engineering 03/05 Coefficient of correlation and Lines of regression,

mathematics B. S.

Grewal 845-856

Higher engineering

mathematics B. S.

Grewal 302-314

Higher engineering

mathematics B.S.

Grewal 315-337

olleg	e of	Engi	
/		1	en l
Noon	ingna pr-44	1110	8 10
1		1	=
Yw		119	//
֡	/ H	Hingna	College of Engine Hingna, Hagper-441116

Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

EEK lo.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment / Tutorial Date	AC's sign
R	30 May -	5	1	Unit 1: Integral Calculus-I: Evaluation of definite and improper Integrals: Gamma functions	PDF Integral calculus-I		Higher engineering mathematics B. S.		29/15		
	3 June			Beta functionand their properties.	Calculus-i		Grewal 315-337		07/06		
	5 June -			Differentiation of definite integral,	PDF Vector		Higher engineering mathematics B. S.		02/06		
9	9 June -	5	111	Mean value, Mean square value and Root mean square value,	calculus		mathematics B. S. Grewal		03/06		
				Tracing of curves (Cartesian), Applications of definite			Higher engineering		05/06		Wa-
0	12 June -	6	m	integrals to find length of curve area, volume	PDF Vector		mathematics B. S.		9-106		
U	17 June	0		surface area of solids of revolution (Cartesian, Polar and Parametric curves)	calculus		Grewal		13/06)
1	19 June -	5	11	Unit 2: Multivariable Calculus (Integration): Multiple Integration: Double integrals (Cartesian and Polar),	PDF Multivariable		Higher engineering mathematics B. S.		15/06		
•	23 June			Change of order of integration in double integrals,	Calculus		Grewal 274- 219		16/06	Auri-III	
	26 June -			Change of variables (Cartesian to Polar)					17/06		101
2	1 July	5	"	Elementary triple integrals.	PDF		Higher engineering mathematics B. S.		18/06		1/9
	3 July -			Applications: Area, Mass, Volume	Multivariable Calculus		Grewal 274- 219		21106		
2	7 July	5	11	Center of Gravity (constant and variable densities)					23/06		U
2	10 july to	5			Se	essional- II Ex	amination				

Sub. Teacher

HOD

Ity in Charge



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accumen with a difference



CCOEW/AS / 22-23

Date: 04/04/2023

					Departm	nent of Allied Sc	ience				
Faculty	y Name: D	r Sanjiva	ni shas	tri		Sub: Advanced Engineering Materials		Allied Science	Year :	2022-23	Sem:- II
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPT ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	HoD's sign
				Free electron theory of metals					11-4-23		
1	10-15 April	5	i	Expression for conductivity , classification on the basis of band diagram	unit 1 _1		AEM by Das Ganu Prakashan (Page 1- 30)A		12-4-23		
				Fermi energy and fermi level			ing Physics (506-		15-4-2]		
				Types of ssemiconductors N and P type			526)Edition 2009		17-4-23		
				Numericals			AEM by Das Ganu		19-4-21	Nuclean sea	
.	17-22			Numericals			Prakashan (Page 1-			Assign Ho 1 Tutorid 1	
2	2 17-22 April 4	4		PN Junction diode and its unit 1 _2 textb	30)A textbookofEngineer ing Physics (506-		24-4-23	, 14421			
				Tunnel diode and zener diode			526)Edition 2009		25-4-2		
	24-29 April	5		ED and Phioto diode			AEM by Das Ganu Prakashan (Page 32		26-4-2		
	2023	-	" 7	ransistors	unit2_1		82)A textbookofEngineer		2-5-2		

GVB

Faculty in Charge

GVI

HOD



Dr. Milind Khanapurkar

Principal

Principal

Maharshi Karve Stree Shikshan Sanetha's

Cummine College of Engineering for Women

Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPT ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	HoD's sign
				Transistors and their configuration			588)Edition 2009				
				Hall Effect and its derivation			AEM by Das Ganu		5-5-23		GVB-
4	1-6	3	11	numericals			Prakashan (Page 1- 30)A		2-5-23	Assign 2 Tutohill	
4	May2023	3		Numericals			textbookofEngineer ing Physics (564- 588)Edition 2009		5-5-23		
				Quantum transitions	Unit 4_1		AEM by Das Ganu Prakashan (Page		9-5-23		
5	8-13 May202	4	IV	Metasdtable state , principals of laser			138-166)A textbookofEngineer		10-5-23		
	3			Characteritics of lasser			ing Physics (395- 421)Edition 2009		12-5-23		
6	15-20 May202	4	IV	optical resonator	Unit 4_2		AEM by Das Ganu Prakashan (Page 395-421)A		12-5-23		
	3			Pumping schemes	unit 4_3		textbookofEngineer ing Physics (506- 526)Edition 2009		17-5-23		
7	22-27 May 2023					Se	essional I		1		
	Lors			Ruby and He Ne laser	Unit 4_3		AEM by Das Ganu		17-5-2	1	
8	29May - 3 June	5	IV	Appluications of laser	Unit 4_3		Prakashan (Page 138-166)A textbookofEngineer ing Physics (506- 526)Edition 2009		1915-23	Assignment Tulonial	3
	ah			Numericals			AEM by Das Ganu Prakashan / Page 83				

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Worken Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPTID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	HoD's sign
	5-10	4	ш	Numericals			111)A textbookofEngineeri		5-6-23		GM
9	June 2023	-		Magnetic mterials -dia para feri amnti fero and domain theory	Unit 3_1		ng Physics (608- 664)Edition 2009		6-6-2		
	12-17			Hysteriys curve, characteristics of magnetic materials	Unit 3 2		AEM by Das Ganu Prakashan (Page 83 111)A		9-6-2	3	
10	June 2023	5	101	Numericlas	July 2		textbookofEngineer ing Physics (608-		12-6-2	3	
				Numericals			664)Edition 2009			Assign 4 Tulmid 4	GAS
				Basics of superonductors and their properties	Unit 3_2		AEM by Das Ganu Prakashan (Page		9-6-2	3 (winas 9	
	19-24		101	Meissner effect type I and type II	Unit 3_3		112-137)A		13-6-2		
11	June 2023	4	101	London Equation	Unit 3 4		textbookofEngineer ing Physics (608-		17-6-2		
				BCS trheory ,Numericals	Unit 3 5		664)Edition 2009		19-6-2	Assign 5	
				Nano science and its classification	unit 5_1				31-5-2	Assign S Tuturial s	GAS
	26June - 4 July 5		V	Synthesis and properties of nano materials	unit 5 2		AEM by Das Ganu Prakashan (Page		31-5-2]		
	2023			Zeolite and graphite	unit 5_2		167-180)		31-5-3	3	
13				Applications of nano materials	unit 5_2				31-5-2	2	
14	10-15 July 2023	4			Session	al II					

Sub. Teacher

Faculty in Charge



HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.

Lab Practicals Plan Sem. II

								Date:	10/4/2023
	CUMMINS COLLEGE OF EN	IGINEERIN	G FOR V	VOMEN,	NAGPU	R			
Faculty I	Name: Dr. Asha H. Gedam		Subject: Er environme			for	Departme		Section B
				Batch B1			Batch B2		
Pi	Name of experiment		Planned Date	Performe d Date	No. of Viva done	Planned Date	Performed Date	No. of Viva done	HoD's Remark
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	Parameter extraction from V-I characteristics of PN junction diode					11-4-23	11-4-23	16	3hs
2	Parameter extraction from V-I characteristics of Zener diode.					30-5-22	30-5-23	5	3VB
3	Parameter extraction from V-I characteristics of PNP/NPN transistor in CB mode					25-4-23			GVAS
4	Parameter extraction from V-I characteristics of PNP/NPN transistor in CE mode.					25-4-23	2-5-23	5	GVB
5	V-I Characteristics of Light Emitting Diodes.					13-6-21	13-6-27	5	GVB
6	Energy gap of semiconductor /thermistor					6-6-23		5	GAS
7	Study of Diode rectification							_	
8	Laser source: Determination of wavelength by diffraction grating.					18-4-23	18-4-2	3.10	GNS.





Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS / 22-23

Date: 10/ 4 / 2023

LESSON &	TEACHING	PLAN for Advanced	Engineering Materials
----------	----------	-------------------	-----------------------

				Departr	nent of Allied Scie	ence				
Facul	y Name:Dr Shu	ibhangi Boi	npilwar		Sub:Advanced E	ngineering Materials	Sec: B	Year : 2022-23		Sem:- II
WEE K No.		No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
				Band Theory of Solids: Basic idea of free electron theory of metals; classical and quantum	X			1014		7
1	10-15 April 23	3		Expression of conductivity of a metal. Drift velocity, mean free path				12/4		
				Formation of energy bands in SolidsClassification of solids on the basis of	s. PPT	A testbook of Engineering physics (page number 506-		15/4		110
			I	Band structure of Conductors, Semiconductors and Insulators,		526)10th Edition ,Atextbook of Applied physics(1.1 to 1.39) first edition		1714		
2	17-21 April 4	4		concept of Fermi energy and Fermi level.Concept of effective mass,				20/4		4
	22			F-D distribution function and its derivation				1/2014		
				Numericals	Board			21/4		
			п	Semiconductor Devices: Basics of Semiconductor, conduction process				24/4/	19	
3	24-29 April	4		characteristics of P-N junction Diode:				25/4	26/4/5	13
	23		"Tunnel Diode, Zener Diode,		A testbook of Engineering		25/4			
	83			, LED, Photodiode.		physics,M N Avadhanulu				1
aqı	ulty in Cl	harge		diode as half wave rectifier and full wave rectifier		page number 527- 607)	B M	2/2/	223	



Dr. Milind Khanapurkar Principal Maharshi Karvo Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

	VEE No.	Week	No. Of Lect.	Unit No	. Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
1	2-6	May 23	3		Transistors		PP-527-607	23/5			-
A.					transistor as an amplifier .Hall effect, Hall voltage and Hall coefficient;			515		2rd ASS	/
		-100-10			applications of Hall Effect			515		9/5/202	2
0 5	8-12	May 23	4		Numericals			2614			1)
					Numericals			E15			
J					Magnetic and Superconducting Materials: In troduction to magnetic materials, magnetic field,			1915			la
		0 May	4		magnetic dipole moment, magnetic induction,magnetization, magnetic susceptibility, magnetic permeability,		A testbook of Engineering physics, M N Avadhanulu (1915			102
					Diamagnetic, Paramagnetic, Ferromagnetic, curie law		page number 608- 664)	2915		/)
					Ferri-magnetic and anti ferromagnetic materials:			2915			
7	22 May				Sea	ssional I	III I Thursday				
					Properties of mag. Materials		·-)			1
	1-3 J	une	3	1	dysteresis curve, Applications of magnetic naterials			3015			+
				S Z	uperconductors: Basics of superconductivity: ero electrical resistance			3115/23			- 6
8 Faci	ulty i	n Cha	irge	III P	ersistent current Effect of Temperature, (fect of Magnetic Field, Critical Current;		A testbook of Engineering physics, M N Avadhanulu (nage number 608-	3/5/23			



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

KN		No. of Lect.	Unit No	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition: No	nk for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
	5-9 june 23	4		The Meissner Effect Type-I and type-II superconductors, London Equation:		, 100 mm		216/23		9
				The penetration depth, Bardeen-Cooper- Schrieffer (BCS) theory.				3)6		
				numericals				30 5		
				Numericals				316,5/6	T d	
			IV	Lasers: Quantum Transitions: Absorption, Spontaneous emission & stimulated Emission,				10 5	le Jave	19
9	12-17 June	4		Coherence length and coherence time,Metastable states, Principle of laser				11/5	2013	
				Pumping schemes: Three level and Four level. Optical cavity				12/5		
				Characteristics and applications of lasers	Q-A.					
10	19-23 June 23	4		Construction & working of Ruby laser and He- Ne laser,		A testbook of Engineering physics,M N Avadhanulu (page number 395- 421)		1715		H
	23			Numericals	*			1515		
				Numericals				17/5		
	26-30 June		Ī	Nanoscience and Nanomaterials Introduction to Nanoscience, Classification of nano materials,				16/6		10
11	23	4	t	Comparison of properties of nanomaterials with bulk materials,				17/6		-
			2	Zeolites, 2) Graphine, Application of nanomaterials in engineering				19/6,24		

HOD

Ac



Dr. Millind Khanapurkar Principal Maharshi Karve Shire Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

CCOEW	Department of Allied Science			2022-23				Departm	nent:							
or.S.Bon	npilwar			Advanced I	Engineeri	ng Mater	ials	AS	10000000							
				E	Batch A2		В	atch C2		Ba	etch A1		Bat	ch C1 Perfor	No.	AC's
Pr. No.	Name of experiment	Lab ID	Possibl e variati	Planned Date	Perfor m Date	No. of Viva done	Planned Date	Perfor m Date	No. of Viva done	Planned Date	Perfor m Date	Viva done	Planned Date	m Date	of Viva	Rem
print	print			print	fill	fill	print	fill	fill	print	fill	fill	print	fill	fill	
1	Parameter extraction from V-I characteristics of PN junction diode.			10/4/2023	1714	_	18/4/2023	18/4	1	12/4/2023	1214	_	13/4/23	13/4	-	
2	Laser source: Determination of wavelength by diffraction grating			17/4/23	1014	/	25/4/23	25/4	-	19/4/23	1914	/	20/4/23	20/4	/	
3	Parameter extraction from V-I characteristics of Zener diode.			24/4/23	15/5		2/5/2023	6 5	-	26/4/23	1015	/	27/4/23	4715		
4	Parameter extraction from V-I characteristics of PNP/NPN transistor in CE mode			8/5/2023	8 5	1	9/5/2023	915	_	10/5/2023	26/4	_	11/5/2023	2714	_	
5	Parameter extraction from V-I characteristics of PNP/NPN transistor in CB mode			15/5/23	2415	1	16/5/23	2/5	/	17/5/23	315		18/5/23	415		
6	V-I Characteristics of Light Emitting Diodes.			5/6/2023	29/5	1	6/6/2023	30/5	_	7/6/2023	31/5		8/6/2023	116	/	1
7	Study of half wave and full wave Diode rectification 890d 9010			12/6/2023	56	-	13/6/23	13/6	1	14/6/23	7/6	V	15/6/23	15/6	/	
	92							0	las_				1			
	Sub. Teacher							Ac	A							

Moharshi Karve Stree Shikshan Samstho's
CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Dr. Milind Khanapurkar

Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/Allied Science/ 22-23

FACHING PLAN for Energy and environment

_					Sub: Applied			2022-23	Sem:- II
Faci	ulty Nar	ne: Dr	. A. G	edam & Dr. S. Chavan	Chemistry	Section-A/B/C	Year:	2022-23	Jenn- II
WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tut orial Date	AC's sign
1	10-15 Apr	5	4	Green Chemistry:- Introduction, Twelve principles of Green chemistry with examples, Numerical based on atom economy		(1) Applied Chem S. Chand page no. 155-181 (2) Das Ganu Prakashan	11/4/23		}
2	17-22 Apr	5	4	□ Green reagents, Dimethyl carbonate and its applications, □ Supercritical CO2 properties and applications, uses and applications of biopolymers — polyadipic acid and polycaprolactum.		(1) Applied Chem S. Chand page no. 155-181 (2) Das Ganu Prakashan page no. 152-175	18/4/23 19/4/23 20/4/23 21/4/23) Wm
	24-29 Apr	5	5	Importance of Hardness and Alkalinity of water. Industrial Water Treatment: Softening of water-principle, reactions, advantages, limitations and comparison of Zeolite process and Demineralization process.	f	(1) Applied Chem S. Chand page no. 182-221 (2) Das Ganu Prakashan page no. 176-202	25/4/23		(A)0~

Faculty in Charge

HOP Was



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WE EK No.	Week	No Of Lect	No	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tut orial Date	AC's sign
	1-6 May	5	5	Numerical based on Zeolite process. Boiler Troubles - (causes, effect on	THE S	(1) Applied Chem S. Chand page no. 182-221	45/23		7
				boiler operation and methods of prevention) -Scales and sludges, Caustic embrittlement.			3/5/23		\
				Causic embracient.		no. 176-202	415/23		1 ala-
200	8-13 May	5	5	Desalination of sea water- Principle methods and advantages of electro		(1) Applied Chem S. Chand	5/5/23	5/5/23	
				dialysis and reverse osmosis processes Waste Water Treatment (introduction		page no. 182-221 (2) Das Ganu Prakashan page	10/5/23		
				and importance) - Water treatment from biological waste water to clean water production, Membrane bio reactors.		no. 176-202	16/5/23		
	15-20 May	5		Definition & basic equation of internal energy and enthalpy Numerical on internal energy, enthalpy change (Hess's Law) Second law of Thermodynamics, reversible and irreversible reactions Role or use of Gibbs free energy in a) chemical equilibrium, b) oxidation reduction		(1) Applied Chem S. Chand page no. 56-102 (2) Das Ganu Prakashan page no. 65-85	18/1/23 18/1/23 19/5/23	18/5/23	() () ()
1000	2-29 Iav		Sessi	onal 1					
	OMay- 5 June			Corrosion- Definition, Causes, theories of corrosion- dry, wet and differential aeration.		(1) Applied Chem S. Chand page no. 56-102	311423		Q-

Faculty in Charge

HOTO WW



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.

W EN No	Week	No Of Lect	Un No		Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tut orial Date	AC's sign
				Numerical on Pilling Bedworth Rule Types of corrosion- pitting, inter granular, and stress corrosion Prevention and control of corrosion-design and material selection, cathodic protection.		(2) Das Ganu Prakashan page no. 86-112	3)15/23		7
200	5-10 June	5	1	Periodic properties: - Effective Nuclear charge, electronegativity and polarizability Numerical on Slater's Rule Atomic, molecular structure:- Atomic and Molecular orbitals. Molecular Orbital Theory and Energy level diagrams of homo diatomic molecules (Hydrogen to Fluorine) and hetero diatomic molecules, NO, NO+, NO and HF.		(1) Applied Chem S. Chand page no. 1-55 (2) Das Ganu Prakashan page no. 01-64	5 6 23 6 6 23 7 6 23 9 8 23	7/6/23	2
	12-17 June	5		Crystal field theory and the energy level diagrams for transition metal ions and their magnetic properties (tetrahedral and Octahedral complexes).		page no. 1-55 (2) Das Ganu Prakashan page	12/6/23		Wow

aculty in Charge

HOP



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tut orial Date	AC's sign
	19-24 June	5		Principles of spectroscopy and selection rules (Electronic Spectra of Transition Metal Complexes) © Electronic spectroscopy- basic principles, Lambert-Beer's law, Woodward Fisher Rule for conjugated dienes. © Numerical on Lambert-Beer's Law © Numerical on Woodward Fischer Rule		(1) Applied Chem S. Chand page no. 103-154 (2) Das Ganu Prakashan page no. 113-151	1916123 2016 23 23)6 23 2416 23		
- 1	26-30 June	5		Fluorescence, Phosphorescence, Jablonski Diagram and its applications. Nuclear magnetic resonance - basic principle, chemical shift, spectral interpretation of some simple compounds and magnetic resonance imaging.		page no. 103-154 (2) Das Ganu Prakashan page	21 6 23 22 6 23 22 6 23 23 6 23		
2	10-15 July				Sessiona				_

Sub. Teacher

AC OLO

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Lab Practicals Plan Sem. II

Date: 10 / 04 / 23

	CUMMINS	COLLEGE	OF ENGINE	ERING FOR V	NOMEN,	NAGPUR			
Faci	ulty Name: Dr. Asha Gedam		Subject: Appl (AC)	lied Chemistry		for	Department: science	Allied	Section: B
			Batch B1						
Pi	Name of experiment		Planned Date	Performed Date	No. of Viva done	Planned Date	Performed Date	No. of Viva done	HoT's Remark
prin	print	possible Variations		fill	fill	print	fill	fill	fill
1	To determine hardness of water	print	19-Apr-23	1914123	1	17-04-2023	17/4/23	١	
2	To determine type & extent of alkalinity of the given water sample		26-Apr-23	26/4/23	١	24-04-2023	2414123	1	1
3	To estimate free chlorine in the water sample by iodometry		03-May-23	3 5 23	1	08-05-2023	815/23	1	J War
4	To estimate dissolved oxygen in given water sample		10-May-23	1015123	1	15-05-2023	15/5/23	1	}
5	To prepare molar, normal & percent solution		31-May-23	31/5/23	١	05-06-2023	5/6/23	1	1 ans
6	To synthesize a drug 'phenytoin'		07-Jun-23	7/6/23	1	12-06-2023	12/6/23	1	17

Sub, Teacher



Dr. Milind Khanapurkar

Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.







CCOEW/Allied Science/ 22-23

IESSON & TEACHING PLAN for Energy and environment

				Depart	ment of Allied S	cience				
Faci	ulty Nan	ne: Dr	. A. G	edam & Dr. S. Chavan	Sub: Applied Chemistry	Section-A/B/C	Year:	2022-23	Sem:- II	
WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tut orial Date	AC's sign	
1	10-15 Apr	5	4	Green Chemistry:- Introduction, Twelve principles of Green chemistry with examples, Numerical based on atom economy		(1) Applied Chem S. Chand page no. 155-181 (2) Das Ganu Prakashan	11/4,12/4, 13/4, 15/4, 19/4	3/5/23	1	
2	17-22 Apr	5	4	Carbon sequestration & Carbon Credits, Green reagents, Dimethyl carbonate and its applications, Supercritical CO2 properties and applications, uses and applications of biopolymers – polyadipic acid and polycaprolactum.		(1) Applied Chem S. Chand page no. 155-181 (2) Das Ganu Prakashan page no. 152-175	20/4,24/4	3 5 23	Q)	
3	24-29 Apr	5	5	Importance of Hardness and Alkalinity of water. Industrial Water Treatment: Softening of water-principle, reactions, advantages, limitations and comparison of Zeolite process and De mineralization process.		(1) Applied Chem S. Chand page no. 182-221 (2) Das Ganu Prakashan page no. 176-202	25/4,29/4, 27/4,29/4, 3/5	29423	J OJ.	

Faculty in Charge



Dr. Milind Khanapurkar

Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WE EK No	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tut orial Date	AC's sign
4	1-6 May	5		Numerical based on Zeolite process. □ Boiler Troubles - (causes, effect on boiler operation and methods of		(1) Applied Chem S. Chand page no. 182-221	315/23		7
				prevention) -Scales and sludges, Caustic embrittlement.		(2) Das Ganu Prakashan page no. 176-202	8/5/23	20/5/23	
5	8-13 May	5		Desalination of sea water- Principle methods and advantages of electro		(1) Applied Chem S. Chand	10/5/23		Qo-
				dialysis and reverse osmosis processes U Waste Water Treatment (introduction and importance) - Water treatment from		page no. 182-221 (2) Das Ganu Prakashan page	11/5/23	20/5/23	1
				biological waste water to clean water production, Membrane bio reactors.		по. 176-202)
6	15-20 May	5		Definition & basic equation of internal energy and enthalpy □ Numerical on internal energy, enthalpy change (Hess's Law) □ Second law of Thermodynamics, reversible and irreversible reactions		(1) Applied Chem S. Chand page no. 56-102 (2) Das Ganu Prakashan page no. 65-85	31/5/23 5/6/23	5/6/23	
				□ Role or use of Gibbs free energy in a) chemical equilibrium, b) oxidation reduction					1 Sign
16	22-29 May		Sessi	onal 1					
1000	30May-5 3 June	5 2	C	Corrosion- Definition, Causes, theories of corrosion- dry, wet and differential aeration.		(1) Applied Chem S. Chand page no. 56-102	15/5, 16/5)

Faculty in Charge



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tut orial Date	AC's sign
				Numerical on Pilling Bedworth Rule Types of corrosion- pitting, inter granular, and stress corrosion Prevention and control of corrosion- design and material selection, cathodic protection.		(2) Das Ganu Prakashan page no. 86-112	16/5/23 29/5/23 30/5/23		
133	5-10 June	5	1	Periodic properties: Effective Nuclear charge, electronegativity and polarizability Numerical on Slater's Rule Atomic, molecular structure: Atomic and Molecular orbitals. Molecular Orbital Theory and Energy level diagrams of homo diatomic molecules (Hydrogen to Fluorine) and hetero diatomic molecules, NO, NO+, NO and HF.		(1) Applied Chem S. Chand page no. 1-55 (2) Das Ganu Prakashan page no. 01-64	6/6/23 7/6/23 8/6/23 12/6/23) (Ja-
9	12-17 June	5	1	Crystal field theory and the energy level diagrams for transition metal ions and their magnetic properties (tetrahedral and Octahedral complexes).		(1) Applied Chem S. Chand page no. 1-55 (2) Das Ganu Prakashan page no. 01-64	17/6/23	19/6/23	2).

91

Faculty in Charge

Qhy AK

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441118.

WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tut orial Date	AC's sign
	19-24 June	5		Principles of spectroscopy and selection rules (Electronic Spectra of Transition Metal Complexes) Belectronic spectroscopy- basic principles, Lambert-Beer's law, Woodward Fisher Rule for conjugated dienes. Numerical on Lambert-Beer's Law Numerical on Woodward Fischer Rule		(1) Applied Chem S. Chand page no. 103-154 (2) Das Ganu Prakashan page no. 113-151	19/6/23		
- 4	26-30 June	5		Fluorescence, Phosphorescence, Jablonski Diagram and its applications. Nuclear magnetic resonance - basic principle, chemical shift, spectral interpretation of some simple compounds and magnetic resonance imaging.		(1) Applied Chem S. Chand page no. 103-154 (2) Das Ganu Prakashan page no. 113-151	21/6/23) @
12	10-15 July				Sessiona	ın			The same

Sub. Teacher

AC D

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Lab Practicals Plan Sem. II

Date: 10 / 04 / 23

Fac	ulty Name: Dr. Snehal Chavan		Subject: App (AC)	lied Chemistry		for	Department: science	Allied	Section: A
				Batch A1			Batch A2		
Pi	Name of experiment		Planned Date	Performed Date	No. of Viva	Planned Date	Performed Date	No. of Viva	HoT's Remark
prin t	print	possible Variations used		fill	fill	print	fill	fill	fill
1	To determine hardness of water	print	20-Apr-23	20/4/23		18-04-2023	18/4/23		1
2	To determine type & extent of alkalinity of the given water sample		27-Apr-23	27/4/23			25/4/23		1701
3	To estimate free chlorine in the water sample by iodometry		04-May-23	4/5/23		02-05-2023	10 Messassion		1
4	To estimate dissolved oxygen in given water sample		11-May-23	1/6/23		09-05-2023	30/5/23		1
5	To prepare molar, normal & percent solution								101
6	To sunthasing a deal of the sunthasing a deal		01-Jun-23	11/5/23		30-05-2023	9/5/23		1 100
1	To synthesize a drug 'phenytoin'		08-Jun-23			06-06-2023			1)

Sub. Teacher

Of on



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nappur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



Date: 10/04/2023

CCOEW/AS/2022-2023

LESSON & TEACHING PLAN for Computational skills

				Department of Allied Scien	nce			
Faci	ulty Name:	Prof. A	vantil	ka Wadaskar	Sec: A	Year: 20	Sem:- II	
WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignme nt/Tutori al Date	AC's sign
1	10 April - 15 April	3		Introduction to Computer components : Internal structure of computer System		11/4123		7
				Introduction to Computer Hardware and software		151,4123		
2	17 April - 22 April	3		Introduction to Programming Language:-Idea of Algorithm-steps to solve logical and numerical problems	The complete reference C fourth edition by	1814123) Way
	22 April		I	Representation of algorithm:-flowchart / psuedo code with examples	herbert Schildt, 6	25/4/23		7
,	24 April -	3		From Algorithm to program:-source code, variables and memory locations	65 & Computational skills (Allience	2514123		
	29 April			Errors in C Programming -Syntax, Semantic, Runtime, Linker and logical errors in compilation	& Co.)	2914123		1 Ola-
	1 May - 6	2		Compilation in C : Object and executable code, Arithmetic expression and precedence		215123	Assig - nment 1) 50%



Kristina Dr. Milind Khanapurkar

Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.

4	May	3		Fundamentals of C programming: Basic Structure of C program, Charcter set , Tokens, Variables, Datatypes	The complete	41 5123		
5	8 May - 13	3		Conditional selection statements : if, if, else, if, else, if ladder, switch statements	reference fourth edition by herb	9 15123		
	May		п	Conditional looping statements : while, do-while, for loop.	Schildt, 6-65 & Computational	11 5 23		
6	15 May -	3		Unconditional / Jump statements : break, Continue, go-to statements	skills (Allience & Co.)	1815123	Assign-	
	20 May			Arrays: 1 Dimensional Array, 2 dimensional array		2015123		
				22 May - 29 May Sessiona	l - I			
7	22 May -	3		Character Arrays, String arrays		116123		
	27 May		11	Searching Algorithm : Linear and Binary search		316/23		
8	29 May - 3	3		Sorting Algorithm (Bubble, Insertion and Selection)	The complete reference fourth	616123		
	June			Introduction to functions (built in functions)	edition by herb	816123	A551-3	
9	5 June -	3	ш	Parameter passing in Function	Schildt, 96-147	1316123	1.	
- 2	10 June		111	call by value and call by reference	& Computational skills (Allience	15/6/23		
10	12 June -	3		Introduction to Recursion : Recursion Examples	& Co.)	1716123		
10	17 June	3		Introduction to structures : Defining Structure	The complete	+716123		
	19 June -		IV	Array of structures, Introduction to pointers	reference fourth edition by herb	2016 23		
11	11 19 June - 24 June		3	Defining Pointers, Use of Pointers in self- referencial structure, Notion of Linked list.	Schildt,151-205 & Computational	2216123		

26 June - 1 July Sessional II

Subject Teacher Prof. Avapika Wadaskar



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's Educating Women for CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/CE/ 2022-2023

Lab Practicals Plan

Department of Allied Science

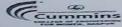
		Co	mputational	Skill				
	Prof. Avantika Wadaskar		Semester II			Year: 2	022-23 (EVE	N)
			Section A					
No	. Name of experiment	Planned Date	Perform Date	No. of Viva done and link for	Planned Date	Perform Date	No. of Viva done and link for	Ac's Remark
		Batch A1			Batch A2			
1	To study fundamentals of computers and operating system.	10/4/23	1014123	1	12/04/23	12/4/23	,	
2 a	WACP to initialize char, int and float data type.	1714123	1714123	1	19/04/13	19/4/23	ı	01
	WACP to input two numbers and perform all arithmatic operations	1714123	171 4123)	19104/23	1914123	1	Ma
all	WACP to find the largest number among the two numbers.	2414123	2414123)	26 04 23	26/4/23	1	19
D I	WACP to check weather the number is even or odd	2414123	2414123	1	26/04/23	2614123	1	1101
al	WACP to print a day from the given week lays by using switch statement.	815123	815123	1.	03/05/23	315123	3	Woo



Dr. Milind Khanapurkar Principal Maharshi Karvo Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingan, Nagpur-441110.



Mahari Karvo Stroo Shikshan Samsth s CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOE	N/AS/ 22-	-23		SECT	LON -	A			Date: 18	3 /04/2022						
				LESSON & TEA	ACHING PLA	N for Indian	Culture and Co	onstitution								
					Departm	ent of Allie	d Science									
aculty	Name: Pi	rof. Priyac	larshini	Ramteke			Transaction Control	Sub: Indian Culture & Constitution		Year : 2022-23		Sem:- II				
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign				
				Concept of Culture & Civilization						10/4/23)				
1	10 - 15 April	2	I	Difference between culture and civilization						11/4/23		/				
				Vedic Culture & Civilization						12/4/23						
				Indus valley Civilization						15/4/23						
	17 - 22 April	2		Social Engineerng						17/4/23		1				
	Аріп			Meaning and Scope of Industrial Psychology						18/4/23		1/Q):				
3	24 -29	3	3	3	3	3	п	Meaning and Scope of Industrial Sociology						24/4/23		
	April			Recruitment of workers						26/4/23		1				
4	1-6	2		Selection Procedure						3/5/23		14				
-	May	2		Training in industry						6/5/23						
				Theories of Motivation						9/5/23		1				
5	8 - 13 May	2		Sustainable Development						10/5/23		11				
			III	Social Change						18/8/2						
	15 - 21 May	3		Concepts and styles of leaderships						17/5/2		1				



Dr. Milind Khanapurkar

Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	no edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
22 1	May - 29 l	May		THE SHAPE		s	SESSIONAL	-1				
100	29 May			Indian Constitution						7/6/23		10
7	3 June	3		Federal System						12/4/23		1/
	5-10		IV	Fundamental Rights						19/6/23		1
8	June	2		Directive Principles of state policy						21/6/23		1
-				Bureaucracy						Aso'qum	one-	10
9	12-17	3		Industrial Democracy						20/5/23	3	1/
,	June			Line Organization, Line & Staff Organization						29/5/2	Ы	12
	19 - 24			Functional Organization			(4)			31/5/23		
10	June	2	v	Power and Status	E E					8/6/2	3	101
	26 - 30	- 30		Delegation of Authority						5/6/2		100
11	26 - 30 June	2		Industrialization and Urbanization & Slums						Wsgianm	019-	1/
10 - 1	5 July	TO THE				Se	ssional II					

Sub. Teacher



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.



Maharsh Karve Stree Shikshon Samst ja's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/AS / 22-23

Date: 05/04/2023

LESSON & TEACHING PLAN for Engineering Mechanics

				Departme	ent of Allied S	cience				
Facul	ty Name: Dr.	Shailesh	Khekale					Year:	2022-23	Sem:- II
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	10 April- 15 April	3	Unit I	Two dimensional Force Sysytem-Force, System of forces, Resolution of forces		Engineering Mechanics - F.I.SingerPg, No- 17-96	PPT / Video	26/4		7
2	17 April- 21 April	3	Unit I	Resolution of forces- Numericals, Moment- Numericals		Engineering Mechanics - F.I.SingerPg. No- 17-96	PPT / Video	5/5		
3	24 April- 29 April	3	Unit I	Equilibrium of Force system- Numericals		Engineering Mechanics - F.I.SingerPg. No- 17-96	PPT / Video/ Chart	13,10		(Q) o
4	02 May-6 May	3	Unit II	Equations of Equilibrium-FBD and its Numericals		Engineering Mechanics F.I.Singer Pg. No-17-96	PPT / Video/ Chart	5316		
5	8 May-12 May	3	Unit II	Analysis of simple pin jointed frames- Numericals		Machines - Dr. R.S. Khurmi, Pg. No- 244- 321	PPT / Video	· Bale		
6 1	15 May- 20 May	3	Unit II	Friction forces-Numericals		Engineering Mechanics F.I.Singer Pg. No- 158- 187		0/ U		
/s	22 May - 29 may				Ses	ssional I				
1) May - 3 June	3	Unit III	Cntroids and moments of inertia- Numericals		Engineering Mechani F.I.Singer Pg. No- 190 241		S100 1 100 100 100 100 100 100 100 100 1	16	



Kinlind Khananurkar

Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-44110.



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/AS / 22-23

Date: 05/04/2023

LESSON & TEACHING PLAN for Engineering Mechanics

				Depa	rtment of Allied S	cience				
Faculty	Name: Dr.	Shailesh I	Khekale					Year:	Sem:- II	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
9	5 June - 9 June	3	Unit III	Moments of Inertia -Numericals		Engineering Mechanics - F.I.Singer Pg. No- 190- 241	PPT / Video	31918		þ
10	12 June - 17 June	3		Introduction to virtual work theorem,D'Alembert's Principle		Engineering Mechanics - F.I.Singer Pg. No- 287- 295	PPT / Video	7		
11	19 June - 23 June	3	Unit IV	Work Energy method- Numericals		Engineering Mechanics F.I.Singer Pg. No- 536- 580	PPT / Video	73/6		100
12	26 June- 28 June	3	Unit IV	Methods of momets-Numericals		Engineering Mechanics F.I.Singer Pg. No- 243- 259				

Faculty In charge

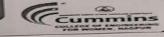
AC Day



Dr. Milind Khanapurkar Principal Maharshi Karvo Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS / 22-23

Date: 21/11/2022

	LESSON &	TEACHING PLAN for Applied Maths-I	
--	----------	-----------------------------------	--

aculty	Name: Prof.	Pravin (Gorantiw	A 100 (100 (100 (100 (100 (100 (100 (100	t of Allied Science		Allied Science	Year:	2022-23	Sem:-I
WEEK No.	Week	No Of	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT Tools	Completion Date	Assignment/ Tutorial Date	AC's sign
				Unit 3: Matrices: Introduction		B.S. Grewal, Higher				
1	21 Nov22 26 Nov22	6	III	Inverse of a matrix by Partitioning method		Engineering Mathem		20 44 2022		0/
	20110122			Rank of a matrix				28-11-2022		28
2	28 Nov22	5	m	Consistency of linear system of nonhomogeneous and Homogeneous equations Symmetric, Skew-symmetric and Orthogonal matrices		B.S. Grewal, Higher Engineering Mathem				
2	03 Dec22			Linear and Orthogonal transformations		Engineering Wathern				a
				Cayley-Hamilton theorem				01-12-2022	03-12-2022	N/
3	05 Dec22	5	1	Unit 1: Differential Calculus Successive differentiation: Leibnitz's Rule		B.S. Grewal, Higher				
3	10 Dec22	30	(.00)	Taylor's and Maclaurin's series for function of one variable		Engineering Mathem		08-12-2022		S
	12 Dec22			Indeterminate forms and L'Hospital's Rule		D. T. Deshmukh, Higher				
4	17 Dec22	6	1	Maxima and Minima for function of one variable.		Engineering Mathematics		19-12-2022		2
	19 Dec22			Unit 2: Multivariable Calculu Differentiation Functions of several variables		D. T. Deshmukh, Higher Engineering Mathematics				
5	24 Dec22	5	11	First and Higher order partial derivatives		D. T. Deshmukh, Higher				
				Euler's theorem		Engineering Mathematics	1	13-01-23		
6	26 Dec22 31 Dec22				Sessional - I	Examination				
	6	0		Chain rule and Total differential coefficient						
ty in	Charge.	1		Jacobians,		HOD WA				



Knilind

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT Tools	Completion Date	Assignment/ Tutorial Date	AC's sign		
7	07 Jan23	6	11	Taylor's and Maclaurin's series for function of two variables		D. T. Deshmukh, Higher Engineering Mathematics		•				
				Maxima and Minima for function of two variables	Engineering mathematics		03.01-23					
8	09 Jan23	6	11	Lagrange's method of undetermined multipliers		D. T. Deshmukh, Higher						
	14 Jan23	ŭ	IV	Unit 4: First Order Ordinary Differential Equations Exact differential equations		Engineering Mathematics		27-02-2022	22-12-22	2		
9	09 Jan23	5	IV	Linear and Bernoulli's equation		B.S. Grewal, Higher		0 0 0				
	14 Jan23	5	IV	Equations of first order and higher degree: Solvable for p, y, x and Clairaut's type		Engineering Mathem		01-03-2022		8		
			IV	Application of first order differential equation to simple electrical circuits						1		
	16 Jan -	5	v	Unit 5: Higher Order Ordinary Differential Equations Higher order ordinary linear differential equations with constant coefficients		B.S. Grewal, Higher Engineering Mathem		09.61.23		1		
10	21 Jan			Method of variation of parameters,						100		
				Cauchy's and Legendre's homogeneous differential equations.						Mo		
		5	V	Simultaneous differential equations, Equations of the type d2y/dx2=f(x) and d2y/dx2=f(y)		B.S. Grewal, Higher Engineering Mathematics				402		
					Applications of higher order differential equations to simple electrical circuits				20 01.33	15.61.22		
2	23 Jan- 30 Jan	5	v	Sessional - I Examination								

Sub. Teacher

a)oz Ac



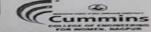


Dr. Millind Khanapurkar Principal Maharshi Karve Sree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Norve Stree Shikshan Samuha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/AS / 22-23

LESSON & TEACHING DIAN for Applied Mathe I

Date: 21/11/2022

				Departmen	nt of Allied Science	e				
aculty	Name: Prof	. Sneha	Uttarwar				Allied Science	Year :	2022-23	Sem:- I (sec (4)
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT Tools	Completion Date	Assignment/ Tutorial Date	AC's sign
				Unit 3: Matrices: Introduction				21/01/)
1	21 Nov22 26 Nov22	6	ш	Inverse of a matrix by Partitioning method		B.S. Grewal, Higher Engineering Mathem		7//		
	LUITOVLL			Rank of a matrix		Engineering wathem		26/11		
				Consistency of linear system of nonhomogeneous and Homogenous equations				23/11		Was
2	28 Nov22			Symmetric, Skew-symmetric		B.S. Grewal, Higher		(0.))
	03 Dec22	5	III	and Orthogonal matrices Linear and Orthogonal transformations		Engineering Mathem		01 12		1
				Cayley-Hamilton theorem				03/12	05/12	
3	05 Dec22	5		Unit 1: Differential Calculus Successive differentiation: Leibnitz's Rule		B.S. Grewal, Higher		05/12	Turnel 7	101
	10 Dec22	-	•	Taylor's and Maclaurin's series for function of one variable		Engineering Mathem		10/12	ASSIGNAT	- \ Wi
	12 Dec22			Indeterminate forms and L'Hospital's Rule		D. T. Deshmukh, Higher		12/12	07/12	
4	17 Dec22	6	1	Maxima and Minima for function of one variable.		Engineering Mathematics		19-12-2022		1
	19 Dec22			Unit 2: Multivariable Calculu Differentiation Functions of several variables		D. T. Deshmukh, Higher Engineering Mathematics		19/12		0)
5	24 Dec22	5	11	First and Higher order partial derivatives		D. T. Deshmukh, Higher				
				Euler's theorem		Engineering Mathematics		24/12		
6	26 Dec22 31 Dec22				Sessional - I	Examination				
				Chain rule and Total differential coefficient				26/12		
vin	Charge			Jacobians,		НОФ		29/12	l.	



Dr. Milind Khanapurkar

Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Worken Hingna, Nagpur-441110.

VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT Tools	Completion Date	Assignment/ Tutorial Date	AC's sign
7	07 Jan23	6	n	Taylor's and Maclaurin's series for function of two variables		D. T. Deshmukh, Higher Engineering Mathematics		02/0//2	2	
				Maxima and Minima for function of two variables				63101		
8	09 Jan23	6	II	Lagrange's method of undetermined multipliers	1	D. T. Deshmukh, Higher		05/01		
	14 Jan23		IV	Unit 4: First Order Ordinary Differential Equations Exact differential equations		Engineering Mathematics		06/01		10
9	09 Jan23	5		Linear and Bernoulli's equation		B.S. Grewal, Higher		07/01		100
•	14 Jan23	3	IV	Equations of first order and higher degree: Solvable for p, y, x and Clairaut's type		Engineering Mathem		10/01		7
			IV	Application of first order differential equation to simple electrical circuits				boloj		
	16 Jan -	5	v	Unit 5: Higher Order Ordinary Differential Equations Higher order ordinary linear differential equations with constant coefficients		B.S. Grewal, Higher Engineering Mathem		13/0]		
	21 Jan		-	Method of variation of parameters, Cauchy's and Legendre's homogeneous differential				16/6/		
		5	v	equations. Simultaneous differential equations, Equations of the type		B.S. Grewal, Higher		17/01		10
				d2y/dx2=f(x) and d2y/dx2=f(y)		Engineering Mathematics		20/01		1 4
1	22.1-			Applications of higher order differential equations to simple electrical circuits				23/01		1
111172	23 Jan- 30 Jan	5	v		-	I - I Examination		1-1-1		

Sub. Teacher

Ac

culty in Charge



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Kari Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/Allied Science/ 22-23

LESSON & TEACHING PLAN for Energy and environment

					Section-A, C	Year:	2022-23	Sem:- I	
Name: D	No. Of	Unit	Constitution of the last	Activity/ Teaching Aid		Completion Date	Assignment/Tu torial Date	HoD's Sign	
			Crystal structure, Meaning of lattice			22-11-22		GAS	
			non primitive unit cell; Cubic crystal structure: Simple, Body and Face			25-11-22	2-12-22	SH3	
			characteristics: Effective number of	Preparation of		23-11-22			
21 Nov - 26 Nov	4	1	nearest neighbor distance,	three types of		23-11-12		6Vs	
28 Na.			Crystal planes and Miller indices, Inter-planar distance and its co- relation with Miller indices and	Drawing of Miller planes		24-1172		6\A	
3 Dec	4	1	lattice parameter, Bragg's law of X- ray diffraction.			28-1122		G/F	
			Optical fibers: Propagation by total internal reflection, structure and classification (based on material.	Critical angle	e	3-12-2		6VÞ	
	21 Nov - 26 Nov	21 Nov - 4 28 Nov - 4	Week No. Of Lect. No. 21 Nov - 4 1 28 Nov - 4 1	Name: Dr. Sanjivani Shastri Week No. Of Lect. Crystal structure, Meaning of lattice and basis, Unit cell: primitive and non primitive unit cell; Cubic crystal structure: Simple, Body and Face centered cubic structures, Unit cell characteristics: Effective number of atoms per unit cell, atomic radius, nearest neighbor distance, coordination number, atomic packing fraction, void space, density. Crystal planes and Miller indices, Inter-planar distance and its corelation with Miller indices and lattice parameter, Bragg's law of X-ray diffraction. Optical fibers: Propagation by total internal reflection, structure and	Name: Dr. Sanjivani Shastri Week No. Of Lect. Crystal structure, Meaning of lattice and basis, Unit cell: primitive and non primitive unit cell; Cubic crystal structure: Simple, Body and Face centered cubic structures, Unit cell characteristics: Effective number of atoms per unit cell, atomic radius, nearest neighbor distance, coordination number, atomic packing fraction, void space, density. Crystal planes and Miller indices, Inter-planar distance and its corelation with Miller indices and lattice parameter, Bragg's law of X-ray diffraction. Drawing of Miller planes on the black board Optical fibers: Propagation by total internal reflection, structure and	No. Unit No. Unit No. Unit No. Exact Topic Name & Subtopic Activity/ Teaching Aid Page no,edition. No Crystal structure, Meaning of lattice and basis, Unit cell: primitive and non primitive unit cell; Cubic crystal structure: Simple, Body and Face centered cubic structures, Unit cell characteristics: Effective number of atoms per unit cell, atomic radius, nearest neighbor distance, coordination number, atomic packing fraction, void space, density. Crystal planes and Miller indices, Inter-planar distance and its corelation with Miller indices and lattice parameter, Bragg's law of X-ray diffraction. Optical fibers: Propagation by total internal reflection, structure and	Name: Dr. Sanjivani Shastri Week Of Lect. No. Unit Lexact Topic Name & Subtopic Lect. Crystal structure, Meaning of lattice and basis, Unit cell: primitive and non primitive unit cell; Cubic crystal structure: Simple, Body and Face centered cubic structures. Unit cell characteristics: Effective number of atoms per unit cell, atomic radius, nearest neighbor distance, coordination number, atomic packing fraction, void space, density. Crystal planes and Miller indices, nearest neighbor distance and its co-relation with Miller indices and lattice parameter, Bragg's law of X-ray diffraction. Crystal planes and Miller indices, on the black board Optical fibers: Propagation by total internal reflection, structure and	Name: Dr. Sanjivani Shastri Sub: AP Section-A, C Year: 2022-23 Activity/ Teaching Aid Page no, edition. No Completion Date Assignment/Tu torial Date Activity/ Teaching Aid Completion Date Activity/ Teaching Aid Completion Date Activity/ Teaching Aid Activity/ Teaching Aid Completion Date Activity/ Teaching Aid Activity/ Teaching Aid Activity/ Teaching Aid Page no, edition. No Completion Date Assignment/Tu torial Date Activity/ Teaching Aid Activity/ Teaching Aid Page no, edition. No Completion Date Activity/ Teaching Aid Activity/ Teaching Aid Page no, edition. No Date Activity/ Teaching Aid Page no, edition. No Completion Date Activity/ Teaching Aid Page no, edition. No Date Activity/ Teaching Aid Page no, edition. No Date Date Completion Date Activity/ Teaching Aid Page no, edition. No Date Date Activity/ Teaching Aid Page no, edition. No Date Date Date Activity/ Teaching Aid Page no, edition. No Date Date Date Date Activity/ Teaching Aid Page no, edition. No Date Date Date Date Date Activity/ Teaching Aid Activity/ Teaching Aid Page no, edition. No Date Date Date Date Date Activity/ Teaching Aid Page no, edition. No Date Dat	

Kingna, Hingna, Hogper-441110 E

Kinlind

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tu torial Date	HoD's Sign
3	5 Dec - 10 Dec	4	2	refractive index and number of modes), Modes of propagation in fiber, Acceptance angle, Numerical	with the help of glass and laser light		7-12-21		
				aperture, Attenuation and dispersion. Light sources and Detectors, Applications of optical fiber as Sensors - i) Temperature Sensor ii)			14-12-2		
4	12 Dec - 17 Dec	4	2	Pollution / Smoke detector iii) Liquid level sensor, Fiber optic communication system.			16-12-2		+
								Assignment 28-1	2-23
	19 Dec -			Huygen's principle, superposition of waves and interference of light by wavefront splitting and amplitude	Diffraction		4-1-2		
5	24 Dec	4	3	splitting, Interference in thin films, Interference in Wedge shape thin film, Newton's rings, Anti-reflection coating.	with the hel of hand	P	16-12-2-3	\$	
6	26 Dec- 31 Dec		Ses	sional 1					
				Fraunhoffer diffraction from a single slit and a circular aperture, Diffraction grating and its resolving			19-12		
7	2 Jan - 7 Jan	4	3	power.			5-1-2	-3	
							9-1-	23	

Faculty in Charge

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tu torial Date	HoD's Sign
8	9 Jan - 14 Jan	4	4	Planck's Hypothesis, Properties of Photons, Compton Effect: Equations for energy and momentum conservation, Expression for Compton shift & its interpretation. Concept of wave- particle duality, de-Broglie Hypothesis, Matter Waves, Davisson-Germer Experiment; Bohr's Quantization condition. Wave function \(Particle{Y}\) and normalization condition, concept of wave packets, Heisenberg Uncertainty Principle. Schrodinger wave equation (time dependent and time independent), Application to one dimensional	Story telling		6-1-23 9-1-23 11-1-23 13-1-21 11-1-23		GVHS GVHS GVHS
			5	Basic idea of motion of charged particle in electric and magnetic fields, Velocity selector, Bethe's law of electron refraction, electric focusing, Construction & working of			12-1-23	Assignments Tutnial 3.	GVIS GVIS
9	16 Jan - 21 Jan	4		Electrostatic lens. Devices: Cathode Ray Tube, Cathode Ray Oscilloscope and its applications, Block Diagram, Function & working of each block, Bainbridge mass spectrograph.			20-1-2)		GVA
12	23 Jan- 30 Jan				Sessi	onal II			

Faculty in Charge

HOD





Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Worsen Hingna, Nagpur-441110.

Lab Practicals Plan Sem. I

	Ap	plied Ph	ysics						
Faculty N	ame: Dr. Sanjivani Shastri		Subject: Applied			for	Department science	nt: Allied	Section: A & B
				Batch A1			BatchB2		
Pi	Name of experiment				No. of Viva done	Planned Date	Performed Date	No. of Viva done	HoD's Remark
print	print	possible Variation s used		fill	fill	print	fill	fill	fill
1	Radius of curvature of a plano convex lens by Newton's Rings		28-11-27	28-11-2		28/14/23	28/14/23		G/AT
2	Diffraction due to plane diffraction Grating		22-11-20	22-11-20		5/12/22	5/12/22		GAT .
3	Comparative study of cubic crystal structure (with the help of model)		6-12-22	6-12-22		28/14/20	28/11h		GM
4	Determination of principal refractive indices of a prism		17-1-23	17-1-23		12-12-22	2 12-12-22		GVIS
5	Determination of e/m of an electron by bar magnet method (Thomson's method)		13-12-27	13-12-21		2-1-23	2-1-23		GAT
6	Determination of AC and DC voltage using CRO.		20-12-2	120-12-22		9+2-3	9-1-23		GAT
7	Calibration of Time Base circuit of CRO and determination of frequency of electrical signals		10-1-23	10-1-2	7	10-1-2	3 9-1-23		GVM

GHS Subject Teacher GAS HOD.

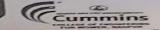


Dr. Milind Khanapurkar Principal Maharshi Karvo Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nappur-441110.

Date: 21 /11/22



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS / 22-23

Faculty Name:Dr. Shubhangi Bompilwar Sub:Applied Physics Year: 2022-23 Sem:- WEE K No. Of Lect. No. Unit No. Exact Topic Name & Subtopic I III Introduction to crystal structure, types of solids crystal structure, Bravais lattive, unit cell 7 characteristice of cubic unit cells Nov. 2022 Now. 2022		-		LESSON & TEACHIN	nt of Allied Scie				
Week No. Of Lect. No. Unit Lect. No. Exact Topic Name & Subtopic Activity/ Teaching Aid Chapter no. Page no.edition. No Date Activity Teaching Aid Chapter no. Page no.edition. No Date Activity Teaching Aid Chapter no. Page no.edition. No Chapter no. Page no.edition. No Activity Teaching Aid Teaching Aid	aculty Name:Dr	. Shubhan	gi Bomj				Year:	Sem:- I	
of solids crystal structure, Bravais lattive, unit cell 7 characteristice of cubic unit cells Nov. 2022 28 nov3 Dec II Quantum Mechanics: Planck's Hypothesis, Properties of Photons Compton Effect: Equations for energy and momentum conservatio Expression for Compton shift & its interpretation, of solids crystal structure, Bravais lattive, unit page number 468- 505)10th Edition M N Avadhanulu and PG Kshirsagar 24	K Week		10	Exact Topic Name & Subtopic		Chapter no. Page		STATE OF THE PARTY	AC's sign
7 characteristice of cubic unit cells 7 characteristice of cubic unit cells Miller Indices Interplaner distance and its relation with miller indices Brsggs Law numericals numericals Test I Quantum Mechanics: Planck's Hypothesis, Properties of Photons Compton Effect: Equations for energy and momentum conservatioExpression for Compton shift & its interpretation, Test A testbook of Engineering physics (page number 305-394)10th Edition M N Avadhanulu and A testbook of Sengineering physics (page number 305-394)10th Edition M N Avadhanulu and A testbook of Sengineering physics (page number 305-394)10th Edition M N Avadhanulu and			111	of solids crystal structure, Bravais lattivce,unit		Engineering physics (page number 468-			
Miller Indices Interplaner distance and its relation with miller indices Brsggs Law numericals Test II Quantum Mechanics: Planck's Hypothesis, Properties of Photons Compton Effect: Equations for energy and momentum conservatioExpression for Compton shift & its interpretation, Solution A testbook of Engineering physics (page number 305-394)10th Edition M N Avadhanulu and Solution A testbook of Engineering physics (page number 305-394)10th Edition M N Avadhanulu and	1	5				N Avadhanulu and	323/11		(Wa
Interplaner distance and its relation with miller indices Brsggs Law numericals numericals Test Quantum Mechanics: Planck's Hypothesis, Properties of Photons							24/18	30/11/22)
numericals numericals Test II Quantum Mechanics: Planck's Hypothesis, Properties of Photons Compton Effect: Equations for energy and momentum conservatioExpression for Compton shift & its interpretation, A testbook of Engineering physics (page number 305- 394)10th Edition M N Avadhanulu and							24/18		
II Quantum Mechanics: Planck's Hypothesis, Properties of Photons Compton Effect: Equations for energy and momentum conservatioExpression for Compton shift & its interpretation, S-10 Dec. 5 II Quantum Mechanics: Planck's Hypothesis, Properties of Photons Engineering physics (page number 305-394)10th Edition M N Avadhanulu and	28 nov3			Brsggs Law			29117		7
II Quantum Mechanics: Planck's Hypothesis, Properties of Photons Compton Effect: Equations for energy and momentum conservatioExpression for Compton shift & its interpretation, S-10 Dec. 5 A testbook of Engineering physics (page number 305-394)10th Edition M N Avadhanulu and	Dec	5		numericals			230 14		(0)
II Quantum Mechanics: Planck's Hypothesis, Properties of Photons Compton Effect: Equations for energy and momentum conservatioExpression for Compton shift & its interpretation, A testbook of Engineering physics (page number 305-394)10th Edition M N Avadhanulu and				numericals			3 11		1
Quantum Mechanics: Planck's Hypothesis, Properties of Photons Compton Effect: Equations for energy and momentum conservatioExpression for Compton shift & its interpretation, Solution M N Avadhanulu and A testbook of Engineering physics (page number 305-394)10th Edition M N Avadhanulu and				Test			22/12		
Compton Effect: Equations for energy and momentum conservatioExpression for Compton shift & its interpretation, N Avadhanulu and			П			Engineering	211/23		
5 22 5	5-10 Dec.	F	3	and momentum conservatioExpression		number 305- 394)10th Edition M	3/1/23		
aculty in Charge Broglie Hypothesis HOD	100000	8		Concept of wave-particle duality, de-		PG Kshirsagar	3/1123		



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College Engineering for Women Hingna, Nagpur-44110.

	-						-6-		
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tu torial Date	AC's sign
				Matter Waves, Davisson-Germer Experiment; Bohr's Quantization condition.			4/1/2028		1
1				Numericals			5/1/28		
				Wave function Ψ and normalization condition, concept of wave packets,			7/1123		
				Heisenberg Uncertainty Principle and its applications			10/11/1/28		101
4	12-17 Dec.22	5		Schrodinger wave equation (time dependent and time independent), Application to one dimensional infinite potential well.			11/11/23		
				numericals			12/13/1/28		
			1	Huygen's principle, superposition of waves interference of light by wavefront splitting and amplitude splitting,		M N Avadhanulu and PG Kshirsagar	12/12/22		2
				Interference in thin films,		A testbook of	13)12		
				Interference in Wedge shape thin film,		Engineering physics (page	14/12		
5	19-24	5		Newton's rings, Anti-reflection coating.		number 105- 180)10th Edition	15/12		\ Qo
	Dec.22			Fraunhoffer diffraction from a single slit and a circular aperture,			219112		
				Diffraction grating and its resolving power.			29/12		
5	26-31 Dec.22			Sessiona	11				
			ı	Numericals			19112		1) 01
		8	- 2	Numericals			29/12		1(W
cult	ty in Ch					F	HOD 9		2



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tu torial Date	AC's sign
7	2-7 Jan 23	5	IV	Optical fibers: Propagation by total internal reflection, structure		A testbook of Engineering physics (page number 698-	1/12/22		(
				classification of OF		725)10th Edition	3/12		
				modes of propagation in fiber, Acceptance angle, Numerical aperture, Attenuation and dispersion.		Atextbook of Applied physics(1.1 to 1.39) first edition	2/12) War
10				Light sources and Detectors, optical communication system			8/12		7
11	9-14 Jan23	4		Applications of optical fiber as Sensors - i) Temperature Sensor ii) Pollution / Smoke detector			7/12/27		
				Numericals			2/12/22		1000
				Numericals		A testbook of	8/12-		3
12				Electron optics: Basic idea of motion of charged particles in electric and		Engineering physics (page number 70-	17/1/20		7
				Bethes law			17/112B		
				Electrostatic lenses and its construction		105)10th Edition ,Atextbook of	18 1		
		1		CRT and CRO		Applied physics(5.1 to 5.31) first edition	18/19/1		
	16-21 Jan23	6	v	Bainbridge mass spectrograph			19/1/28		
	Jan25			Numericals			20/1/23		200
							/~	30	
								4	
		0			Session:	Т	9/		1
8 Ja	ty in ch	2800					OD N		



Dr. Millind Khanapurkar Principal Maharshi Karvo Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Lab Practicals Plan

Dr.	S.Bompilwar	Applied Physic	s		Department: AS						
		Batch C2(Mond	lay)		Batch A2(Wedne	sdav)	Batch C1(Thurse	lav	Batch B1(Frida	v)	
Pi	Name of experiment	Planned week	Perform Date	No. of Viva	Perform Date	No. of Viva	Perform Date	No. of Viva done	Perform Date	No. of Viva	Ac's Remark
prir	print	print	fill	fill	fill	fill	fill	fill	fill	fill	
1	DETERMINATION OF WAVELENGTH OF SODIUM LIGHT USING PLANE DIFFRACTION GRATING	21-25 Nov.22	28/11/22		30/11/22		2411122		25/11/22		7
2	DETERMINATION OF RADIUS OF CURVATURE OF PLANO- CONVEX LENS BY NEWTON'S RINGS	5-9 Dec 22	5/12		7/12/22		1/12/22		21/12) We
3	DETERMINATION OF RI OF PRISM	12-16 Dec.22	19112		14/12/22		8/12/22		9/12)
4	TO STUDY VARIOUS CRYSTAL STRUCTURES AND TO MAKE MODEL OF 3 CUBIC CRYSTAL STRUCTURES	19-23 Dec. 22	12/12/22		14/12/22		13)12/22		16/12/23		>
	SPECIFIC CHARGE (e/m) OF AN ELECTRON BY THOMSON'S METHOD	2-7 Jan 23	2/1/23		21/12/22		15/12/22		23/12		\ Qo
	STUDY OF CATHODE RAY OSCILLOSCOPE (CRO) AND MEASUREMENT OF AC AND DC VOLTAGES	9-14 Jan 23	9/1/28		4/1/23		22/12		19/1/23		1 al
	DETERMINATION OF FREQUENCY OF ELECTRICAL SIGNALS USING CRO	16-21 Jan 23	9/1/23		14/1123		12/1/23		13/1/28		alilo

Sub. Teacher



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nappur-441110.



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Accord with a different



CCOEW/Allied Science/ 22-23

LESSON & TEACHING PLAN for Energy and environment

				LESSON & TEACHING PLAN for E	nergy and envi	ronment			
				Department of Alli	ed Science				
ac	ulty Nan	ne: Dr	. Asha	a H. Gedam	Sub: EE	Section-A, B	Year:	2022-23	Sem:- I
WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book Chapter no. Page no,edition. No	Completion Date	Assignment/Tu torial Date	AC's sign
ī				Basics of Energy - Introduction, sources and types of energy, Units of energy, thermal energy contents of fuel, heat capacity,			24/11/22		7
	21 Nov			sensible and latent heat, evaporation, condensation, steam, moist air and humidity & heat transfer. • Classification of fuels, Numerical based on Dulong's formula.		Energy and environment	25/14/22		
	26 Nov	4	1	Calorific Value (HCV & LCV). Determination of Calorific value by Bomb and Boy's Calorimeter. Solid Fuels:-		Dr.AV Bharati pg.1-42	26/14/22		(Wo
				Significance of Proximate and Ultimate Analysis of coal,			26/17/22		
2	28 Nov 3 Dec	4	1	Numerical on Goutal's Formula for Gross Calorific Value based on Proximate Analysis Numerical on Calorific Value determination.		Energy and environment Dr.AV Bharati	80/14/22	01 12 22)
				Numerical on GCV & NCV by using relation formula		pg.1-42	01/12/22		
3	5 Dec -	,	2	Liquid Fuel:-Fractional distillation of crude oil, Catalytic cracking and its advantages • Knocking in internal combustion petrol and diesel engine,		Energy and environment	8/12/12		
3	10 Dec	*	2	Octane and Cetane number,		Dr.AV Bharati pg.43-96	3/12/22	+) was
				• Knocking and its relationship with structure of fuel, Doping agents,		Energy and	191422		7
4	12 Dec 17 Dec	4	2	Power alcohol, Gasohol, Diesehol, Aviation fuel, Bio-diesel. Gaseous Fuel:-CNG, Hydrogen as specialised fuel Combustion Calculations		environment Dr. AV Bharati	16 12/22	14/12/22	2 m=

Wor

Faculty in Charge

War

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-44110.

						Refrence Book	Completion	Assignment/Tu	AC's sign
WE EK	Week	No. Of	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Page no,edition. No	Date	torial Date	
No.		Lect.				pg.43-96	17/12/22		
				Bio-energy, Photolysis of water- Chemical Conversion of Solar		Energy and	19/12/22	-	100
5	19 Dec - 24 Dec	4	3	Energy. Nuclear fuels: Numerical Fuel cells- working, advantages and disadvantages of alkaline,		environment Dr.AV Bharati pg.97-126	20/12/22) Way
	24 Dec			methanol fuel cells.		pg. 97-120	22/14/22		
	26 Dec- 31 Dec		Sess	ional 1		<u>, </u>	1		
	31 Dec			Classification of waste on the basis of segregation at source, Hazardous solid waste management technology, Incineration,		Energy and environment	211123		11
7	2 Jan - 7 Jan	4	3	Eco-friendly Incineration, landfill techniques. Utilization of Biogas and Landfill Gas for Biofuels Chemicals, gasification		Dr.AV Bharati pg.97-126 &	411)23		
				and Utilization of Syngas,		164-190	571 23		1 War
				Industrial pollution due to non-renewable energy sources and its types. Principle, processes, source of pollution.		Energy and	6/1/23		1)
8	9 Jan -	1	4	Environmental impact and its control with reference to specific industries; Nitrogen containing fertilizers- ammonia synthesis,		environment Dr.AV Bharati	9/1/23		
8	14 Jan	-		industries; Nitrogen containing terminess authorized Cement manufacturing Industry; Sulfuric acid manufacturing industry and petroleum Industry		pg.127-163	12/1/23		
				Introduction of Advance materials, properties and applications composites, liquid Crystal polymers, conducting polymers,	:-		11/1/23		
9	16 Jan	4	5	insulating materials, adhesives, biodegradable polymers, Nanomaterials in energy- Photochemical devices like lithium		Energy and environment Dr. AV Bharat	رم الما		ajus
,	21 Jan			ion batteries, Nanomaterials for Energy Storage, nanomaterial in solar cells.	5	pg.212-242	19/1/2		Jan
							19/1/2	3	
12	23 Jan- 30 Jan		*	Se	essional II				

Sub. Teacher

Faculty in Charge

AC

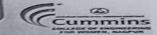
HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan Sem. II

Date: 10 / 04 / 23

Fac	ulty Name: Dr. Asha Gedam		Subject: App (AC)	lied Chemistry		for	Department: science	Allied	Section: B
				Batch B1			Batch B2		
Pi	Name of experiment		Planned Date	Performed Date	No. of Viva done	Planned Date	Performed Date	No. of Viva done	HoT's Remark
prin t	print	possible Variations		fill	fill	print	fill	fill	fill
1	To determine hardness of water	print	19-Apr-23	1914123	1	17-04-2023	17/4/23	1	7
2	To determine type & extent of alkalinity of the given water sample		26-Apr-23	26/4/23	1	24-04-2023	24/4/23	1	Wa-
3	To estimate free chlorine in the water sample by iodometry		03-May-23	3) 5723	1	08-05-2023	8/5/23	1)
4	To estimate dissolved oxygen in given water sample		10-May-23	10/5/23	,	15-05-2023	1575723	1	
5	To prepare molar, normal & percent solution		31-May-23	31/5/23	1	05-06-2023	5/6/23	1	Waz
6	To synthesize a drug 'phenytoin' chy de sel'n		07-Jun-23	7/6/23	1	12-06-2023	141123		1

Sub. Teacher



Dr. Milind Khanapurkar Principal

Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samsthia's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Sharpening Engineering Acumen with a difference

CCOEW/Allied Science/ 22-23

LESSON & TEACHING PLAN for Energy and environm	ent
--	-----

				Depar	tment of Allied	Science		
Fac	ulty Nar	ne: Dr	. Snel	hal Chavan	Sub: EE	Section-C	Year: 2022-	23 Sem:-1
WE EK No	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No		nment/Tu ial Date AC's sign
				Basics of Energy - Introduction, sources and types of energy, Units of energy, thermal energy contents of			29-11-22	17
				fuel, heat capacity, sensible and latent heat, evaporation,			21-11-22	
				condensation, steam, moist air and humidity & heat transfer.		Energy and environment	23-11-22	
	21 Nov 26 Nov		1	humidity & hear transfer. Classification of fuels, Numerical based on Dulong's formula. Calorific Value (HCV & LCV). Determination of Calorific value by Bomb and Boy's Calorimeter. Solid Fuels:-Significance of Proximate and Ultimate Analysis of coal.		Dr.AV Bharati pg.1-42	25-11-22	
				Numerical on Goutal's Formula for Gross Calorific Value based on		Energy and	28-11-22	
2	28 Nov		1	Proximate Analysis		environment	30-11-22	
L	3 Dec		*	Numerical on Calorific Value determination. Numerical on GCV & NCV by		Dr.AV Bharati pg.1-42	02-12-22	
2001	5 Dec -	4	2	Liquid Fuel:-Fractional distillation of crude oil, Catalytic cracking and its advantages Knocking in internal combustion petrol and diesel engine, Octane and		Energy and environment Dr.AV Bharati	9-12-22	9/12/22

Faculty in Charge

HOD



Dr. Milind Khanapurkar

Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-44110.

WE EK No	Week	No. Of Lect	Un No	Fyact Tonic Name & Subtonic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No pg.43-90	Completion Date	Assignment/Tu torial Date	AC's sign
4	12 Dec 17 Dec		2	Knocking and its relationship with structure of fuel, Doping agents, Power alcohol, Gasohol, Diesehol, Aviation fuel, Bio-diesel. Gaseous Fuel:-CNG, Hydrogen as specialised fuel Combustion Calculations		Energy and environment Dr.AV Bharati pg.43-96	12-12-22 14-12-22 15-12-22 16-12-2) Wa
5	19 Dec 24 Dec	4	3	Bio-energy, Photolysis of water- Chemical Conversion of Solar Energy. Nuclear fuels: Numerical Fuel cells- working, advantages and disadvantages of alkaline, methanol fuel cells.		Energy and environment Dr.AV Bharati pg.97-126	19-12-22 23-12-22 23-12-22		100
	26 Dec-		Sess	ional 1					1 /
2	Jan - Jan	1 2	3	Classification of waste on the basis of segregation at source, Hazardous solid waste management technology, Incineration, Eco-friendly Incineration, landfill techniques. Utilization of Biogas and Landfill Gas for Biofuels Chemicals, gasification and Utilization of Syngas.		Energy and environment Dr.AV Bharati pg.97-126 & 164-190	2-1-23	20-1-23	3 (0)
1000	Jan - Jan	4	ı t I	Industrial pollution due to non- renewable energy sources and its ypes. Principle, processes, source of sollution. Environmental impact and ts control with reference to specific industries: Nitrogen containing		Energy and environment Dr.AV Bharati	13-1-23	7/-	

Faculty in Charge







Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	no,edition. No	Completion Date	Assignment/Tu torial Date	AC's sign
				fertilizers- ammonia synthesis, Cement manufacturing Industry;		pg.127*103	18-1-423		
				Introduction of Advance materials, properties and applications:-			20-1-23		
9	16 Jan - 21 Jan	4	5	composites, liquid Crystal polymers, conducting polymers, insulating materials, adhesives, biodegradable polymers, Nanomaterials in energy-		environment Dr.AV Bharati pg.212-242	21-1-2-3		(d)0
12	23 Jan- 30 Jan			Mhatashamaad damaac II/a Ithium	Session	nal II	_ \		

Sub. Teacher



Dr. Millind Khanapurkar Principal Maharshi Karve Sree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

Lab Practicals Plan Sem. I

	CUMMINS COLLEGE OF ENGI	INEERI	NG FOR W	OMEN, N	IAGPU	R			
Faculty N	Name: Dr. Snehal Chavan		Subject: Ener environment			for	Departme Allied scie		Section: A & C
<u> </u>			Batch A2				Batch C2		
Pi	Name of experiment		Planned Date	Performed Date	No. of Viva done	Planned Date	Performed Date	No. of Viva done	HoT's Remark
print		oossible ariations used	print	fill	fill	print	fill	fill	fill
1	Determination of moisture content of coal.		24/Nov/22	24-11-22	-01	11/25/2022	25-11-22	01	/
2	Determination of volatile matter content of coal.		01/Dec/22	1-12-22	10	12/2/2022	2-12-22	01	501
3	Determination of ash content of coal.	_ , 1	08-12-222	1-12-22	10	12/9/2022	2-12-22	-01	10
4	Determination of flash point of oil using Pensky-Marten's/ Abel's	s closed	15/Dec/22	15-12-22	_01	12/16/2022	13-1-33	01	1
5	Determination of relative viscosity of oil by Redwood Viscometer.		22/Dec/22	8-12-22	_01	12/23/2000	9-12-22	-01	20
6	Determination of acid value of lubricating oil.		05/Jan/23	22-12-22	01	1/6/2023	4	V.	(2
7	To determine the amount of sulphate present in the given sample by Gravimetric method.		12/Jan/23	_		1/13/2023	-		3

())~/

8h-

Date: 21/11/22



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Assumen with a difference



Lab Practicals Plan Sem. I

Date:21/11 /22

aculty N	CUMMINS COLLEGE O		Subject: Ener	gy &		for	Department: Allied science		Section: B	
		1		Batch B1			Batch B2			
Pi	Name of experiment		Planned Date	Performed Date	No. of Viva	Planned Date	Performed Date	No. of Viva done	HoT's Remark	
print	print	Variations	print	fill	fill	print	fill	fill	fill	
1	Determination of moisture content of coal.		22/Nov/22	22-11-22	0)	11/23/2022	7-12-22	- 01		
2	Determination of volatile matter content of coal.		29/Nov/22	29-11-22	01	11/30/2022	30-11-22	- 01	1601	
3	Determination of ash content of coal.		06/Dec/22	29-11-22	10	12/7/2022	30-11-22	-01	Wa	
4	Determination of flash point of oil using Pensky- Marten's/ Abel's closed cup apparatus.		13/Dec/22	13-12-72	-01	12/14/2022	14-12-2	10	7	
5	Determination of relative viscosity of oil by Redwood Viscometer.		20/Dec/22	6-12-22	01	12/21/2022	7-12-22	-01	160	
6	Determination of acid value of lubricating oil.		03/Jan/23	20-12-22	01	1/4/2023	21-12-22	-01	160	
7	To determine the amount of sulphate present in the given sample by Gravimetric method.		10/Jan/23	-		1/11/2023				

<u>Oly</u>

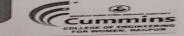


Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samsthus CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acu



CCOEW/AS / 22-23

Date: 19/ 11 / 2022

LESSON & TEACHING PLAN for Communication Skills

				LESSO	ON & TEACHIN								
					Departm	ent of A	med Sc	ience					
Fact	ulty Name: Pr	of. Rash	mi De	shpande				Sub:Comm	unication Skills	Sec: A,B,C	Year: 2022-23		Sem:- I
WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
				Introduction to Communication, Importance of Communication ,Oral and Written Communication	BSE14TCSW01 L01	CS_ppt _01			Communicati on Skills by Dr. L.Bisen		19/11		
1	21/11/22	3	I A		BSE14TCSW01 L02	CS_ppt 02			Chap1, self prepared notes		21/11		
				Barriers to Communication and methods to overcome them	BSE14TCSW01 L03	CS_ppt _02					23/11		Was
				. Basic Grammar: Tenses and its typ	BSE14TCSW02 L04	CS_ppt _04			Communicati on Skills by Dr. L.Bisen		28/11		7
2	28/11/22	3	IV B	Types of Sentences Transformation of Sentences-	BSE14TCSW02 L05	CS_ppt _05			Chap1, self prepared notes		28/11		
				Assertive-Imperative-Interrogative- Exclamatory	BSE14TCSW02 L06	CS_ppt					30/11		
3	5/12/2022	3		Reported Speech	BSE14TCSW02 L07	CS_ppt _07			Communicati on Skills by Dr. L.Bisen		3/12		
	C/12/2022			Listening Skills, Importance of Listening, Types of Listening	BSE14TCSW02 L08	CS_ppt _07			Chap8, self		5/12		Moz
	13/12/2020		6.00	Listening Barriers and methods to overcome them	BSE14TCSW02 L09	CS_ppt					\$/12-		J
acu	ilty2779°CH	arge	L		L.	1	1	- +	HOD				



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

		Lect.	No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	ID	Virtual lab link Teaching	Book - Chapter no. Page	quiz or poll	Date	utorial Date	AC's sign
				Effective Speaking Skills,	BSE14TCSW02 L10	CS_ppt _8					8/12)
				Components of Public Speaking	BSE14TCSW02	CS_ppt _8			Communicati		12712	(14/12/22)	
		3		Group Discussion-Process and techniques	BSE14TCSW02 L12	CS_ppt _8			on Skills by Dr. L.Bisen		18/2		(a)
5 19/1	12/22		III B	Group Discussion-Process and techniques	BSE14TCSW02 L13	CS_ppt _8			Chap8, self prepared notes		21/12		Ma
				Presentation Skills	BSE14TCSW02 L14	9					22/12		
	26/12/2	2			Se	essiona	l Exa	m(26 Dec	30 Dec.)				
				Reading Skills, Importance of Reading	BSE14TCSW03 L16	10			Communicati		2/1		
6	Jan	3	II A.II	Sources of Reading, Skimming, Scanning,	BSE14TCSW04 L17	10			on Skills by Dr. L.Bisen Chap2, self prepared notes		4/1	4	
	Jan	3	1 74,11	Comprehending passage	BSE14TCSW04 L18	10					7/1	A.II 7/1/23	
				Comprehending passage	BSE14TCSW04 L19	10			prepared notes		7/1		
				Process and Techniques of Composition	BSE14TCSW05 L20	_11					9/1		
7 9-Ja	an	3		-Précis, Paragraph, Essay	BSE14TCSW05	LL			Communicati		9/1		1/01
			пв	Précis, Paragraph, Essay	BSE14TCSW05	-11			on Skills by Dr. L.Bisen		1/1		100;
				nterview Skills	BSE14TCSW06 L23	_11			Chap3,4, self		17/1		
16-Jar	an 3	3	ii	nterview Skills	BSE14TCSW06 L24	_12			prepared notes		18/1		
				ub. Teacher	BSE14TCSW06 L25	CS_ppt _12					21/1	18/1/23	

aculty in Charge





Dr. Millind Khanapurkar Principal Maharshi Karve Sree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.





Mahandi Karve Stree Shikshan Samsth s CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Acumen with a difference



Lab Practicals Plan

CCOEW/ Department of Allied Science

2022-23

R.	Deshpande				Comm	unication Ski	lls		Departme	nt: AS	Section:A
					E	Batch A 1			Batch A 2		
Pi	Name of experiment	t Lab ID	Possible variations used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done and link for viva	Ac's Remark
pr	i print				print	fill	fill	print	fill	fill	fill
1	Barrires to Communication	BSE1CS7/1/22 P01	Activity Q.s given		24/11/22	24/11/22		21/11/22	21/11/22		
2	Speaking Skills	BSE1CS21/1/2 2P02	Different Passages		1/12/2022	1/12/22		28/11/22	28/11/22		Mar
3	Listening Skills	BSE1CS24/1/2 2P03	List modules assigned		15/12/22	23/12		12/12/2022	19/12		
4		Market Company	he Dactionty performan		22/12/22	15/12		19/12/22	12/12	/ (
281/29	Interview Techniques	BSE1CS4/ 3/22 P05	Tech-dissued HRQ pondoved		5/1/2023	5/1/23		2/1/2023	2/1		0)2
P	resentation Skills	3SE1CS25/3/2	pot		19/1/23	19/1/23		16/1/23	16/1/23		

Sub. Teacher

Mar

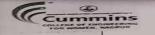


Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nappur-44110.



Maha hi Karve Stree Shikshan Samst h's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan

-	OEW/ Department o	f Allied Scienc	Ì		Comm	unication	Skills		Departm	ent: AS	Section:B
ĸ.	Deshpande					BatchB 1			Batch B 2		
Pi	Name of experiment	Lab ID	Possible variations used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
pri	i print				print	fill	fill	print	fill	fill	fill
1	Barrires to Communication	BSE1CS10/1/22 P01	Activity Q.s given		23/11/22	23/11/22		22/11/22	22/11/22		7
2	Speaking Skills	BSE1CS17/1/22 P02	activity performed		30/11/22	30/11/22		29/11/22	29/11/22		1 alan
3	Listening Skills	BSE1CS24/1/22 P03	Different Passages 91 Vel	,	14/12/22	24/12		13/12/22	20/12		
4	Group Discussion	BSE1CS7/2/22P 04	performed		21/12/22	14/12		20/12/22	13/12		17
5	Interview Techniques	BSE1CS28/2/22 P05	MR Q.givou Nock taker		4/1/2023	4/1/2	3	3/1/2023	3/1/2	3	1) a)
6	Presentation Skills	BSE1CS28/3/22 P07	PPTprepare		18/1/23	11/1/2	4	17/1/23	10/1/23	>	1

Sub. Teacher

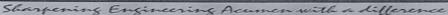
Dr. Milind Khanapurkar Principal

Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi K, rve Stree Shikshan Samstha

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/AS / 22-23

Date: 18 / 11 / 2022

					Particular street and an arrangement	AN for Engineering of Allied Science	ritysics			
Facul	ty Name: Pro	of. Dr.Sh	iailesh I					Year:	2022-23	Sem: I
WEEK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
1	21-25 Nov	4	I	Basic understanding: Role of civil engineering in infrastructure development.Current budget for infrastructure work: Broad disciplines of civil engineering; Importance of civil engineering.Possible scope for career early construction and development over time; Ancient monument and modern marvels; Development of various materials of construction and method of construction; work of eminent civil engineers. Fundamentals of Architecture and Town planning; Aesthetics in civil engineering.		Basics of Civil Engineering by Dr.BC Punmia pg.347-359	ppt.1	84 12/22-	1 ⁵⁺ 5/12/22	3VA3
2	28 Nov-03 Dec	4	I & II	material;stone,bricks,mortar,plai. Reinforced and prestresses concrete, construction chemicals; structurer steel,high tensile steel,carbon composite; plastic in construction, 3D printing;recycling of construction and demolition waste.Basics of construction management and contracts management: temporary		Basics of Civil Engineering by Dr.BC Punmia pg.2-47	PPT 2 video 1	13/10/2	7	GVB

Faculty in Charge

HOR WONE



Dr. Milind Khanapurkar

Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

Wook	No. Of Lect.		Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
05-09 Dec	4	п	sustainability;water treatment system;effluent treatment system;solid waste management;sustainability in construction.Geotechnical engineering;Basics of solid mechanics,rock mechanicsand	Hand made model showing various planes, solving numericals in group	Building Construction by Sushil kumar pg 32 - 62	ppt.3, video 2	49/12/12		& AS
12-17 Dec	4	ш	Hydraulics, Hydrology and water resources engineering; fundamental of fluid flow, basic of water supply system. Structural engineering; types of building, tall structuretypes of bridges and water retaining strructure. Surveying and geomatics; traditional surveying technics and total stations, development of digital terrain models: GPS. LIDAR.	watching video in class	Basics of Civil Engineering by Dr.BC Punmia pg 405-441	ppt.2, video 2	28/12/22	2 mel	EVI .
19-23 Dec	4		manufacturing;Conventionaal manufacturing processes, metal cutting and machining operation. Additivemanufacturing and 3D printing,basic CNC programing.Engineering mechanics and their applications in domestic appliances.Introduction to basic		Manufacturing science by Amitabh gosh and Asok kumar malik pg.25 to 103	ppt.3	5 /1/23		CM3
26-31 Dec					Sessional I				
	4	v	conversion; Energy sources: Conventional and renewable energy sources, biomass and tidal energy. Energy conversion devices; Introduction of bumps, compressor, turbine, windmilla		Thermal Engineering by RK Rajput pg.112 to 146	ppt.4, video 3	9/1/23		GVAS
	19-23 Dec 26-31 Dec	05-09 Dec 4 12-17 Dec 4 19-23 Dec 4 26-31 Dec 2-7 Jan 4	05-09 Dec 4 II 12-17 Dec 4 III 19-23 Dec 4 IV 26-31 Dec 2-7 Jan 4 V	12-17 Dec 4 III 12-17 Dec 4 III 12-17 Dec 4 IV 19-23 Dec 5 IV 19-23 Dec 5 IV 19-23 Dec 5 IV 19-23 Dec 6 IV 19-23 Dec 6 IV 19-23 Dec 6 IV 19-23 Dec 7 IV 19-23 Dec 9 IV 19-24 IV 19-25 Dec 9 IV 10-25 Dec 9 IV 10-26 Dec 9 IV 10	12-17 Dec 4 III 13-17 Dec 4 III 14-17 Dec 5 III 15-17 Dec 5 III 16-17 Dec 5 III 17-17 Dec 6 IIII 18-18-18-18-18-18-18-18-18-18-18-18-18-1	Teaching Aid Teac	Search Topic Name & Subton Teaching Aid Teaching Aid No. Page no,edition. No Ict tools	Second Dec Sec	Second S





9 16-20 Jan 4 VI System, and fuel supply system. Study of power transmission system.clutch, gear box, propeller 9 16-20 Jan 4 VI System. Study of power transmission system.clutch, gear box, propeller 9 16-20 Jan 4 VI System. Study of power transmission system.clutch, gear box, propeller	WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subto	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
chassis layout, steering system,suspension system,braking system,cooling system, fuel injection system,and fuel supply system. Study of power transmission system.clutch,gear box,propeller chassis layout, steering system,ooling system,praking system,cooling system, fuel injection Engineering by Dr.Kirpal singh pg.41 to 72	8	9-13 Jan	4	1000 0000	specification; classification of automobile, vehicle specification of two/three wheeler, light motor vehicles, truck, buses, and multiaxle vehicle. Engine component (Introduction). Study of engine specification.cost analysis of		Engineering by Dr.Kirpal singh pg.3 to	ppt.5, vídeo 4	14 1 23	3'7	GB
box ans axle.	9	16-20 Jan	4	VI	chassis layout, steering system,suspension system,braking system,cooling system, fuel injection system,and fuel supply system. Study of power transmission system.clutch,gear box,propeller shaft,universal joint,differential gear		Engineering by Dr.Kirpal singh pg.41	ppt.6, video 5	13 (1/23		GNS

Sub. Teacher



Dr. Millind Khanapurkar Principal Maharshi Karve Sree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



FOR WOMEN



Date: 21/11/2022

CCOEW/Allied Science/ 22-23

							Department of A	illied Science				200000000000	-
Esculty Name	Basic und engine developr infrastructur of civil engine civil engine developr infrastructur of civil engine civil engine developr monume Developrim constructions of the career construction of the career career construction of the career c	r			Sub: BCME			Section-A & C	Year:	2022-23	Sem:- 1		
usev	T	No. Of	Unit	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	GATE/TCRT Date	Completion Date	Assignment/Tu torial Date	AC's sign
				Basic understanding Role of civil	BCME_AS_ ppt_01	BCME_AS_ V_01					21 11		
				engineering in infrastructure development Current budget for infrastructure work. Broad disciplines	BCME_AS_	BCME_AS_ V_02	Video from				22]11	1	
				of civil engineering, importance of	BCME_AS_ ppt_03	BCME_AS_ V_03	Youtube	Basics of Civil Engineering by			23 11		010
		5	1	career early construction and development over time. Ancient	BCME_AS_ ppt_04	BCME_AS_ V_04		Dr BC Punmia pg.347-359			24/11		(Wie
2 28 Nov - 3 Dec			monument and modern marvels, Development of various materials of construction and method of	Y-10-2	BCME_AS_ V_05					25/11		1	
			construction, work of eminent civil engineers	BCME_AS_ ppt_06	BCME_AS_ V_06							1	
				BCME_AS_ ppt_07	BCME_AS V_07					28/11			
			Fundamentals of Architecture and Town planning: Aesthetics in civil	BCME_AS_ ppt_08	BCME_AS V_08	-				29/14		\	
	5	1	engineering, examples of great architecture fundamentals of architecture design and town	BCME_AS_ ppt_09	BCME_AS V_09	84	Basics of Civil Engineering by Dr.BC Punmia			30/14			
			planning building system(HVAC, Acoustic Lighting etc), LEED rating development of	BCME_AS	BCME_AS		pg-2-47			1 /12		1/ (
				smart cures	BCME_AS	BCME_AS	S_				2/12	- 1	\rightarrow
						BCME_AS	S_						1)

Faculty in Charge



Dr. Milind Khanapurkar Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.

S Dec - 9 Dec 5	5	2	material stone-bricks, mortar plai Reinforced and prestresses concrete construction chemicals; structurer steel high tensile steel carbon composite; plastic in construction. 3D printing, recycling of construction and demol	PPI_13 BCME_AS_ PPI_14 BCME_AS_ PPI_15 BCME_AS_	BCME_AS V_13 BCME_AS V_14 BCME_AS V_15				5/12_)
	5.	2	Reinforced and prestresses concrete construction chemicals; structurer steel high tensile steel, carbon composite; plastic in construction 3D printing recycling of construction and demolition waste. Basics of construction management and contracts management temporary.	PPI_14 BCME_AS_ PPI_15 BCME_AS_	V_14 BCME_AS_				100	
	5	2	composite, plastic in construction 3D printing recycling of construction and demolition waste. Basics of construction management and contracts management; temporary	ppt_15 BCME_AS_		4	4		6/12	
Dec			construction management and contracts management, temporary				Construction by Sushil kumar		7/12	A(
				ppt_16	BCME_AS_ V_16	A /	pg. 32 - 62		8/12) Q) or
			method for various types of structure	ppt_17	BCME_AS_ V_17				9/12	
			automation.	ppt_18	BCME_AS_ V_18					
				ppt_19	V_19				12/12	
	Environmental engineering and sustainability, water freatment system of fluent freatment system waste management, sustainability in waste management, sustainability in	URUMPISSO	V_20				13/12			
12 Dec - 17 5 2 system Dec 5 2	waste management, sustainability in	ppt_21	BCME_AS_ V_21		Engineering by Dr BC Punnia		14/12			
	5 2 waste management/sustainability construction.Geotechnical engineering.Basics of solid mechanics rock mechanics and	engineering Basies of solid	ppt_22	BCME_AS_ V_22		pg 405-441		15/12	10/2	
		engineering.Bastes of solid mechanics,rock mechanics and geology.	ppt_23	BCME_AS_ V_23				16/12	Java	
				ppt_24	BCME_AS V_24					1
			Hydraulics Hydrology and water	ppt_25	BCME_AS V_25				19/12	
			fluid flow,basic of water supply	ppt_26	BCME_AS V_26				20/12	
19 Dec - 23 Dec 5	5		of building tall structuretypes of	ppt_27	BCME_AS V_27		Basics of Civil Engineering by		21/12	
Dec 5 3		structure Surveying and geomatics	ppt_28	BCME_AS V_28		Dr BC Punma pg		22/12		
			total stations, development of digital terrain models, GPS, LIDAR	ррі 29	BCME_AS V_29				23)12	1/3
26 Dec - 30			1		BCME_AS V_30					

Faculty in Charge

HOD S



Dr. Millind Khanapurkar
Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.

NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PHOD	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	GATE/TCRT Date	Completion Date	Assignment/Tu torial Date	AC's sign	
					BCME_AS_ ppt_31	BCME_AS_ V_31					2/1)	
				Repair and rehabilitation of structure, basic of corrosion phenomenon and	BCME_AS_ ppt_32	BCME_AS_ V 32					311		1	
					BCME_AS_	BCME_AS_ V 33		Building Construction by			411		70	5
7	2 Jan - 7 Jan	5	4	crighteeting basies of		BCME_AS_		Sushil kumar pg 32 - 62			511			,
				ethics enterprenaure possibilities in		V_34 BCME_AS_					611	6/1/23		
- 1					ppt_35 BCME_AS	V 35 BCME_AS_						01110	2	
-					ppt_36	V_36					71	-		
				Introduction to	ppt 37	BCME_AS_ V 37					911		1	
				manufacturing;Conventionaal	BCME_AS_	BCME_AS_					10/1			
					ppt 38 BCME AS	V 38 BCME AS		Manufacturing					1	-
8	9 Jan - 13	5	4	Additivemanufacturing and 3D	ppt 39.	V 39		science by			11 1		10	1
*	Jan		3			BCME_AS_		Amitabh gosh and Asok kumar malik			1-1-		156	A
						V 40		pg 25 to 103			12/1	14		
		- 11			BCME_AS_ ppt_41	BCME_AS_ V_41					13/1			
						BCME_AS_								
-			-		ppt 42	V 42					14/1			
						BCME_AS_ V_43					16)1			
						BCME_AS_ V 44								
- 10	5 Jan -21			sources Conventional and renewable	BCME_AS_	BCME_AS_ V 45		Thermal			77 1	3.1	1	
	Jan	5	5	energy Energy conversion	BCME_AS_	BCME AS		Engineering by RK Rajput pg 112			18/1	18/1/23	10	1
			1	numps compressor turbine windmills		V_46		to 146			19)1		160	14
1				nd photovoltic cell	BCME_AS_ ppt_47	BCME_AS_ V_47					2011			
					BCME_AS_				-			-	-	
1 23	Jan 30				ppt_48	V_48			27		21/1		0	

Sub. Teacher

Faculty in Charge



HOD



Dr. Millind Khanapurkar Principal Maharshi Karvo Stree Shikshan Sanetha's Cummins College of Engineering for Worsen Hingna, Nagpur-441110. Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2021-22

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

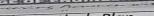
website: www.cumminscollege.edu.in













Lab Practicals Plan

	Department of Allied Science			2021-22				1		
	ocparation.			Advanced	Engineeri	ng Materials	\$	Department:	: AS	Section:A
r.S.Bo	ompilwar				Batch A1			Batch A2		
Pr. No.	Name of experiment	Lab ID	Possible	Planned Date	Perform	No. of Viva	Planned Date	Perform Date	No. of Viva done and	Ac's Remark
			variations	print	fill	fill	print	fill	till	fill
print_	Parameter extraction from V-I characteristics of PN junction diode.		si, Ge diode	18/4/22	18/4	~	2014	20/4/22		7
2	Parameter extraction from V-I characteristics of PNP/NPN transistor in CE mode		-	25/4/22	25/4		27/4	27/4/22		Mos
3	Parameter extraction from V-I characteristics of Zener diode.		zenes da	05-05-2022	2/5/22	- /	5/5/22	05-5-2022)
4	Parameter extraction from V-I characteristics of PNP/NPN transistor in CB mode			16/5/22	915/22	. /	18/5	18/5/22	/	
5	V-I Characteristics of Light Emitting Diodes.		distances	30/5/22	23/5		7/6/22	06-01-2022	_ \	101
6	Study of Diode rectification		radiation ileisor	13/6/22	6 6 22	- /	15/6/22	15/6/22		/ Un
7	Laser source: Determination of wavelength by diffraction grating		variation dist.		20/6/22		22/6/22	29/6/22		

B

Sub. Teacher

Ac

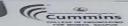


Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nagpur-44110.



CCOEW/AS /21-22

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Date: 18-4-2022

LESSON & TEACHING PLAN for Applied Chemistry

					Depar	tment of A	Ilied Scien	ice					
Fac	ulty Na	me: D	r. As	ha H. Gedam				Sub: Applied	chemistry	Sec: A,B,C	Year :	2021-22	Sem:- II
WE EK No	Week		Uni t No.	Exact Topic Name & Subtopic	Topic ID	PPT ID	Video ID	Activity/ Virtual lab lin Teaching Aid	Page	link for quiz or poll	Completio n Date	Assignmen t/Tutorial Date	AC's sign
			3	Basic concept of free energy and EMF	BSE2- 3TACW01D020621L0						18 4 22		7
1	18-23 April	4		Cell potential, Nernst equation and its application	2						1914122		Part
				Corrosion, definition, causes, theories	2			To classify the substance in day	P.C.Jain and	1.	20/4/22		Just
				Dry wet, differential aeration	3TACW01D020621L0	AC_ppt_ 01		metallic and non	M. Jain 329- 354	1	2) 14)22	17	
				Types of corrosion, pitting, stress, intergranular corrosion	BSE2- 3TACW01D020621L0			metallic and study the corrosion types			12/9/22	19	
				prevention and control of corrosion	BSE2- 3TACW01D020621L0			in it		2	574122		DO
2	25-30 April	6		Design, material selection, cathodic protection	BSE2- 3TACW01D020621L0						714)22	1	
	A PAIN			Tutorial lecture	BSE2- 3TACW01D020621L0					-	714/2	14	1
			5	Green chemistry, introduction,	BSE2- 3TACW01D020621L0						8)4)22	TC	Har
				Twelve principles of green chemistry	BSE2- 3TACW01D020621L0						7/4/22		
	*			Numericals on atom economy	BSE2- 3TACW01D020621L0			Numericals to			14122		

Faculty in Charge

Mos



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College Engineering for Women Hingna, Nagpur-44110.

WE EK No	Week	No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic	Topic ID	PPT ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence 8ook Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignmen t/Tutorial Date	AC's sign
				Carbon sequestration, carbon credits	3TACW01D020621L0	AC_ppt_ 02		the students	S. Dara 814-7-		2/5/22)
3	2-7	6		Dimethyl carbonate and its application	BSE2- 3TACW01D020621L0						315722	3)5/22	->
	may			lapplications	BSE2- 3TACW01D020621L0						4)5/22		100
					BSE2- 3TACW01D020621L0						5/5/22	_	J
					BSE2- 3TACW01D020621L0								
				water	BSE2- 3TACW01D020621L0						101 100		,
				discussion of coagulation by various reagents	BSE2- 3TACW01D020621L0 18			To identify the coagulating agents in day to	S. Dara 22-6		1-1-101		
4	9- 14ma 6 y		Sterilisation by using ozone , chlorine	BSE2- 3TACW01D020621L0 BSE2-						n/1/22		01	
			Break point chlorination	3TACW01D020621L0 BSE2-						12/5/22		also	
			reactions, advantages, limitations Softening of water by ion exchange	3TACW01D020621L0 BSE2-				-		13/5/22	4		
					3TACW01D020621L0 BSE2- 3TACW01D020621L0	AC_ppt_ 03		Numericals to	-		1, 1/100)	
					BSE2- 3TACW01D020621L0			be solved by the students			711727		
S	16-21 may	5	1	Boiler troubles, causes, effects and its prev	BSE2- 3TACW01D020621L0						7/3/24		
	.may	5	Scales, sludges, caustic embrittlement	BSE2- 3TACW01D020621L0 BSE2-						101/22		and	
1			e	electrodialysis and reverse osmosis	3TACW01D020621L0						6 16 12 7		1 an
		-	V	waste water treatment, memberane biore	3TACW01D020621L0						0,10,100)
1	1		T	Parameter design from the control of	3TACW01D020621L0								

Faculty in Charge

War



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

				**	30			-					
WE EK No	Week	No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic	Topic ID	PPT ID	Video ID	Activity/ Virtual lab link Teaching Aid	Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignmen t/Tutorial Date	AC's sign
6	23-27	6	1	Effective nuclear charge, penetration of atomic orbitas	BSE2- 3TACW01D020621L0 30							23/5/20	1
9	may			Electronic configuration, periodic trend of atomic and ionic sizes.	BSE2- 3TACW01D020621L0							28/5/2	
	y.			ionisation energy, electron affinity,	3TACW01D020621L0			To draw a chart				T I	
				Electronegativity, polarizability	BSE2- 3TACW01D020621L0			of trends in atomic				2H1	22
	27ma y-4			SESSIONAL		AC ppt		properties					
				Atomic and molecular orbitals	BSE2- 3TACW01D020621L0	04						6/6/22	1
				molecular orbital theory and energy level diagram of homo diatomic	3TACW01D020621L0							7/8/22	1
7	6-11 june	5		Energy level diagram of hetero	BSE2- 3TACW01D020621L0							816123	17
				Crystal field theory Energy level diagram of transition	BSE2- 3TACW01D020621L0 BSE2-				Applied chemistry			10/6/22	16
4				metal ions	3TACW01D020621L0 BSE2-				by Dr. Avinash				1
				octahedral complexes Tutorial lecture	3TACW01D020621L0 BSE2-				Bharati			13/122	1
	13-18	14000		Thermodynamic functions, entropy,	3TACW01D020621L0 BSE2-							14/6/22	1
8	june	5	2	enthalpy, free energy Brief introduction of system,	3TACW01D020621L0							157672	41
				surrounding, intensive and extensive	3TACW01D020621L0							16/6/2	2
				Definition and basic concept internal energy	BSE2- 3TACW01D020621L0							17/6/2] \
				Numerical on internal energy and enth-	3TACW01D020621L0	AC_ppt						18/6/12	2
				Numerical on internal energy and enth	3TACW01D020621L0	05						21/6/2	
	20-25	E .		Zeroth law, first law Second law of thermodynamics	85E2- 3TACW01D020621L0							27101	122

Dor





Dr. Millind Khanapurkar Principal Maharshi Karve Sree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WE EK No	Week	Of	100 15380600	Exact Topic Name & Subtopic	Topic ID	PPT ID	Video ID	Activity	232E	link for quiz or poll	Completio n Date	Assignmen t/Tutorial Date	
9	june	0		Reversible, irreversible reactions	3TACW01D020621L0						23/6/22	2	2
				Use of Gibbs free energy in chemical equilibrium and oxidation reduction	3TACW01D020621L0	1					24/6/2	2	M
				Tutorial lecture	88E2- 3TACW01D020621L0								Just
				Iselection miles	3TACW01D020621L0						12		
10	27-30	6		Beer's Law	3TACW01D020621L0						(29/6/2	7	
10	june	6		Woodward, Fischer rule for	3TACW01D020621L0			To draw the	Y. R.		30/1/22		100
				Ishlopski diagram	3TACW01D020621L0	AC_ppt_		NMR spectra of 10 aliphatic and					1100.5
				NMR spectroscopy, basic principles	BSE2- 3TACW01D020621L0			aromatic	spectrosco		4/7/22		J
11 .	4-9	6			BSE2- 3TACW01D020621L0				ру		5/7/22		7
1	july	U		NMR spectra to draw for various compounds	BSE2- 3TACW01D020621L0	1 1					7/7/22		(01
				Magnetic resonance imaging enectrosed	BSE2- 3TACW01D020621L0						7/7/22		Jav
	11-18 july					Sess	sional II						

Sub. Teacher Dr. A.H. Gedam



AC

(a)a____

Faculty in Charge

AC



Dr. Milind Khanapurkar Principal

Principal
Maharshi Karve Stree Shikshan Sanstha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.



202522

Lab Practicals Plan

Bedian

	OEW/ Department of Allied Sci . Asha H. Gedam				Applied Ch	emistry			Departmen	t: AS	B.C
						Section 8	1		82	NO. OT	
Pi	Name of experiment	Lab ID	Possible variations used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	Viva done and link for viva	Ac's Remark
pri nt	print				print	fill	fill	print	fill	fill	fill
1	Determination of hardness of water by complexometry method	BSE2-3PAC9621P01			19/4/22	3/5/22		294122	415/22		}
2	To determine type and extent of alkalinity of given water sample	BSE2-3PAC16621P02			26 4 22	10/5/22		2714122	11/5/22)al
3	Determination of free chlorine by iodometry	BSE2-3PAC23621P03			3/5/22	17/5/22		4/5/22	18/5/22		1000
4	Determination of dissolved oxygen	BSE2-3PAC30621P04			10 5 22	10/5/22		1115/22	11/5/22		7
	Determination of ferrous / ferric by redox titration	BSE2-3PAC7721P05			17/5/22	71572	-	18/5/22	18/1122		
6	Synthesis of polymer	BSE2-3PAC14721P06			716122	7/6/22		8/6/22	8/6/22		Vala
7	Virtual demonstration of Lambert Beer's Law	BSE2-3PAC28721P07			14/1/22	14)6/22		15/6/22	15/6/2		(W) Z
×I	Demonstration of thin layer chromatography	BSE2-3PAC4821P08			2116122	- 21/6/2	4	22/6/23	22/61-	12	1

Sub. Teacher

Dr. Asha H. Gedam

AC Dr. A.H. Gedam



Dr. Milind Khanapurkar

Principal
Maharshi Karve Stree Shikshan Sanatha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.



Mahary Karve Stree Shikshan Samsth



CCOEW/AS/ 21-22

LESSON & TEACHING PLAN for Indian Culture and Constitution

Date: 18/04/2022

					Departm	ent of Allied	l Science					
Facult	y Name: Pr	of. Priyad	larshini	Ramteke				ian Culture &	Sec: C	Year: 2	2020-21	Sem:- II
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sig
	18 - 24			Concept of Culture & Civilization						21/4/22		
1	April	2	1	Difference between culture and civilization						28/4/22		
				Vedic Culture & Civilization								H
				Indus valley Civilization						16/5/22		
2 26 - 30 April	2		Social Engineerng						5/5/22			
	p.m			Meaning and Scope of Industrial Psychology						12/8/12		10
3	2-7	2	п	Meaning and Scope of Industrial Sociology						12/8/22		W/a
	May			Recruitment of workers								
4	9 - 14	2		Selection Procedure						16/5/24		1
	May	-		Training in industry						17/5/22		1/0/
				Theories of Motivation						19/5/22		lase
5	16 - 21 May	2		Sustainable Development						6/6/2	2	
			TITE F	Social Change				1		GD.		
5	23 - 26 May	1	1	Concepts and styles of leaderships						Assign	men	1
	-			- I I I I I I I I I I I I I I I I I I I						10/6/	22	1/





Principal
Maharshi Karvo Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Reconce Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
27	May - 4 J	une					SESSIONAL		100			
	6-11			Indian Constitution					14/6/2			1
7	June	2	IV	Federal System					14/6/2	2		
	13 18			Fundamental Rights					16/6/	32		
8	June	2		Directive Principles of state policy					Assian	ment		
				Bureaucracy					19/0/	22-		
9	20 - 25	2		Industrial Democracy					19/6/	22		
	June	2		Line Organization, Line & Staff Organization					21/6/2			
10	27 June -			Functional Organization					22/6/2	4		101
10	2 July	2	v	Power and Status					28/6/2	7		100
	4-9			Delegation of Authority					Assign	ment-		
11	July	2		Industrialization and Urbanization & Slums					30/6/22)
11 - 1	8 July			1:0		Ses	sional II	THE WAR	9 - 1			12111

Sub. Teacher





Dr. Milind Khanapurkar



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS/ 21-22

LESSON & TEACHING PLAN for Indian Culture and Constitution

Date: 18/04/2022

					Departm	ent of Allied	Science					
Faculty	Name: Pro	of. Priyad	arshini I	Ramteke				ian Culture &	Sec: B	Year: 2	2020-21	Sem:-II
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
				Concept of Culture & Civilization						22/4/22		7
1	18 - 24 April 2	2	I	Difference between culture and civilization						25/4/22		
				Vedic Culture & Civilization						6/8/22		
				Indus valley Civilization						2/5/22		M
2	26 - 30	2		Social Engineerng						29/9/22	-	
	April			Meaning and Scope of Industrial Psychology						9/8/22		12
3	2-7	2	п	Meaning and Scope of Industrial Sociology						5/8/22		
,	May	1		Recruitment of workers						11/5/22		
	9-14			Selection Procedure						16/5/22		
4	May	2		Training in industry						20/5/22		VAI
	May			Theories of Motivation				Ī		10/6/2	4	100
5	16 - 21	16 - 21 May 2		Sustainable Development						QD.		1
	May		III	Social Change						Assi'an	men	1)
6	23 - 26 May	1		Concepts and styles of leaderships						15/6/-	27	1



Dr. Milind Khanapurkar

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	no edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
27	May - 4 J	une					SESSIONAL	-1				
	6 - 11			Indian Constitution					17/6/2	3	1	1
7	June	2	IV	Federal System					17/6/2	2		
	13 18			Fundamental Rights					20/0/3	27		
8	June	2		Directive Principles of state policy					Asma	anmen		1al
				Bureaucracy					20/6/2	2		
9	20 - 25	,		Industrial Democracy					21/6/2	22		Ψ
	20 - 25 June 2		Line Organization, Line & Staff Organization					2146/2	2			
	27 June			Functional Organization					27/6/	24-		
10	27 June - 2 July 2 July 2 July 2	2	v	Power and Status					29/6/2	2_		
				Delegation of Authority					Asol9	monent		
11		2		Industrialization and Urbanization & Slums					36/4/2	2		
11 - 1	8 July		14-11	المتابات المديرة والأراكا		Se	ssional II	10000		1976		FILE

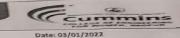
Sub. Teacher

AC 92





Maharshi Kurve Stree Shikshan Sar Athe's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/A5 / 21-22

LESSON & TEACHING PLAN for Applied Maths-I

Department of Allied Science

-acul	Ity Name: Prof.	f. Pravir	Gorantiv	war		Sub: 1	Mathematics-I		Allied Science	Year:	2021-22	Sem:- I (sec B)
WEER No.	Wook	No. Of Lect.	Unit No.	. Exact Topic Name & Subtopic	PPT ID	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
	03 Jan - 08			Unit 3: Matrices Introduction		PDF-I-03		B.S. Grewal, Higher)
1	Jan	5	m	Inverse of a matrix by Partitioning method		PDF-1-03		Engineering Mathem		4		1
				Rank of a matrix		4				07-01-2022		
				Consistency of linear system of nonhomogeneous								1/a)a
	10 Jan - 15	1	1	Homogeneous system of Linear equations	4			B.S. Grewal, Higher				1 00
2	Jan	5	111	Symmetric, Skew-symmetric and Orthogonal matrices		PDF-I-03		Engineering Mathem			.o.c. 70	
	1		/	Linear and Orthogonal transformations		$\Lambda = 7$				15-01-2022	15-01-22	
			m	Cayley-Hamilton theorem						17-01-2022		1
3	17 Jan - 22 Jan	5		Unit 1: Differential Calculus Successive differentiation: Leibnitz's Rule				B.S. Grewal, Higher				17.
	Jan		1	Taylor's and Maclaurin's series for function of one variable		PDF-I-01		Engineering Mathem		25-01-2022	29.01.22	2 (D) a
				Indeterminate forms and L'Hospital's Rule				D.T. Dt 11. 111.1				1
4	24 Jan - 29 Jan	5	1	Maxima and Minima for function of one variable.		PDF-I-01		D. T. Deshmukh, Higher Engineering Mathematics		04-02-2022		ti a
	Jan		11	Unit 2: Multivariable Calculu Differentiation Functions of several variables		PDF-I-02		D. T. Deshmukh, Higher Engineering Mathematics		05-02-2022		1) 002
				First and Higher order partial derivatives		PDF-I-02				A		1
5 3	31 Jan - 05	5	11	Euler's theorem			4	D. T. Deshmukh, Higher			+	
ult	Ilty in Charge		Chain rule and Total differential coefficient		PDF-I-02		Engineering Mathematics —HOD	5				





No.		No. Of Lect.	f Unit No.	Exact Topic Name & Subtopic	PPT ID	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz	Completion Date	Assignment/ Tutorial Date	AC's sign
6	07 Feb - 12 Feb	3	11	Jacobians, Taylor's and Maclaurin's series for function of two variables		PDF-I-02		D. T. Deshmukh, Higher Engineering Mathematics		23-02-2022	Totalial Date	
7	14 Feb - 19 Feb	6		two variables			Sessional - I Exar			1		Ma
8	21 Feb - 26 Feb	5	u	Maxima and Minima for function of two variables Lagrange's method of		PDF-I-02		D. T. Deshmukh, Higher Engineering Mathematics)
9	28 Feb - 05 March	5	IV	undetermined multipliers Unit 4: First Order Ordinary Differential Equations Linear and Bernoulli's equation		PDF-I-04		B.S. Grewal, Higher Engineering Mathem		27-02-2022		
10	07 Mar - 12 Mar	5	IV -	Equations of first order and higher degree: Solvable for p, y, x and Clairaut's type		PDF-I-04		B.S. Grewal, Higher Engineering Mathem		01-03-2022		T alac
	an Kini.	r J IV		Application of first order differential equation to simple electrical circuits				Engineering Mathem		04-03-2022		1 Con
11	14 Mar - 19 Mar	5	v	Unit 5: Higher Order Ordinary Differential Equations Higher order ordinary linear differential equations with constant coefficients		PDF-I-05		B.S. Grewal, Higher Engineering Mathematics				
				Method of variation of parameters,						06-03-2022		1)
12	21 Mar - 26 Mar	5	v	Cauchy's and Legendre's homogeneous differential equations.		PDF-I-05		B.S. Grewal, Higher		07-03-2022	09.03.2	4
-				Simultaneous differential equations				Engineering Mathematics		09-03-2022		1/
3	28 Mar -	4	v	Equations of the type d2y/dx2=f(x) and d2y/dx2=f(y)		PDF-I-05		B.S. Grewal, Higher				(A)a
	31 Mar 4			Applications of higher order differential equations to simple electrical circuits		PDF-1-US		Engineering Mathematics	5	15-03-202	2	1
4	4 April - 8 April					Ses	ssional- II Examina	ation				11

Subfreacher

Ac



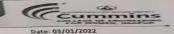
ulty in Charge

HOD





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS / 21-22

LESSON & TEACHING PLAN for Applied Maths-II

					De	partment of	Allied Science					
aculty	/ Name: Prof.	Sneha L	Ittarwar				Sub: Mathematics-		Allied Science	Year:	2021-22	Sem:- I (sec A)
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPT ID	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
	03 Jan - 08		Tank	Unit 3: Matrices Introduction				B.S. Grewal, Higher			,	
1	Jan	5	111	Inverse of a matrix by Partitioning method				Engineering Mathem	8 101/22			
				Rank of a matrix Consistency of linear system of nonhomogeneous					10 01 22			>.
	10 Jan - 15			Homogeneous system of Linear equations				B.S. Grewal, Higher	-			000
2	Jan 5	5	IH	Symmetric, Skew-symmetric and Orthogonal matrices				Engineering Mathem	10/01/22			1
				Linear and Orthogonal transformations					11/01/22	-		
			111	Cayley-Hamilton theorem					1.2/0/2			
3	17 Jan - 22 Jan	5		Unit 1: Differential Calculus Successive differentiation: Leibnitz's Rule				B.S. Grewal, Higher Engineering Mathem	15/01/2-	Tuterra	I Assgj-T	
	34.11			Taylor's and Maclaurin's series for function of one variable					24/01/2	+		\rangle
				Indeterminate forms and L'Hospital's Rule				D. T. Deshmukh, Higher	28/01/2	+		11
4	24 Jan - 29 Jan	5	1	Maxima and Minima for function of one variable.				D. T. Deshmukh, Higher Engineering Mathematic		E 100		1/01
	3011		п	Unit 2: Multivariable Calculu Differentiation Functions of several variables				D. T. Deshmukh, Higher Engineering Mathematics	04/2h	Tuhma	1-11	1/00
				First and Higher order partial derivatives				D. T. Deshmukh, Higher Engineering Mathematics	1.			1
12	31 Jan - 05 Feb	5	11	Euler's theorem						22 Fal	ASSIGN-0	24
ult	y in Char	ge		Chain rule and Total differential coefficient					·			



Dr. Milind Khanapurkar

No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPT ID	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion	Assignment/ Tutorial Date	AC's sign
	07 Feb -	3		Jacobians, Taylor's and Maclaurin's series for function of				D. T. Deshmukh, Higher	12-1			1
ь	12 Feb	3		two variables				Engineering Mathematics	10/02/2	10/05/55	+	Ma
7	14 Feb - 19 Feb	6					Sessional - I Exar	nination				
8	21 Feb -	5		Maxima and Minima for function of two variables				D. T. Deshmukh, Higher		22/02/	2-1	1
	26 Feb	,		Lagrange's method of undetermined multipliers				Engineering Mathematics				
9	28 Feb - 05 March	5	IV	Unit 4: First Order Ordinary Differential Equations Linear and Bernoulli's equation				B.S. Grewal, Higher Engineering Mathem		23/63	Assig _03	3
10	07 Mar -	5	IV	Equations of first order and higher degree: Solvable for p, y, x and Clairaut's type				B.S. Grewal, Higher		05/03		100
10	12 Mar		10	Application of first order differential equation to simple electrical circuits				Engineering Mathem		Tutona	D	100
11	14 Mar - 19 Mar	5	٧	Unit 5: Higher Order Ordinary Differential Equations Higher order ordinary linear differential equations with constant coefficients				B.S. Grewal, Higher Engineering Mathematics		07/03		2
				Method of variation of parameters,						08/03		(
2	21 Mar - 26 Mar	5	v	Cauchy's and Legendre's homogeneous differential equations.				B.S. Grewal, Higher		09/03		Y
- 4	20 mai			Simultaneous differential equations				Engineering Mathematics		Tatomas-	TV .	1 - 1
3	28 Mar -	4	v	Equations of the type d2y/dx2=f(x) and d2y/dx2=f(y)			H	B.S. Grewal, Higher		10/03		100 am
	31 Mar			Applications of higher order differential equations to simple electrical circuits				Engineering Mathematics		19/03		
1 0	04 April - 8 April					Se	ssional- II Examina	tion		1 1-0	(A)	Y

Sub. Teacher

culty in Charge

HOD



K No		No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Virtual lab link Teaching Aid	Refrence Boo Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
3	17 Jan to			Expression for Compton shift & its interpretation, de Broglie hypothesis	Quant _ppt_01+ 02				×	18-1-22	h
3	22 Jan22			Concept of wave-particle duality, de- Broglie Hypothesis	Quant_ppt_0 2					18-1-22	
4	24 Jan to 29 Jan	4		Matter Waves, Davisson-Germer Experiment; Bohr's Quantization condition.	Quant_ppt_0 2		A testbook of Engineering			25-1-2	
	22			numericals	Quant_ppt_0 3		physics (page number 304- 394)10th Edition			26-1-2	4 a la
100			п	Wave function $\boldsymbol{\Psi}$ and normalization condition, concept of wave packets,	Quant_ppt_0		,Atextbook of Applied physics(2.1 to			29-1-2	
5	31 Jan to 5 Feb	4		Heisenberg Uncertainty Principle.	Quant_ppt_0 3		3.23) first edition		H. H.	1-2-22	,
				Schrodinger wave equation (time dependent and time independent), Application to one dimensional infinite potential well.	Quant_ppt_0 4				2-2-22 (Assigt 2-2-22 (Tutonia	2-2-22	
5	7 Feb to 12 Feb 22	3		Schrodinger wave equation (time dependent and time independent), Application to one dimensional infinite	Quant_ppt_0 4				Tursma	1-2-22	Wat
	14 Feb to 19 Feb		*		Sessiona	d I					-
				Huygen's principle, superposition of waves	Inter ppt 05						
		3	2	and amplitude splitting,	Inter _ppt_05					29-1-22	
12	1 Feb to		I	nterference in thin films,	Inter					3112	
	6Feb 22	NKS	,	Interference in Wedge shape thin film,	Inter _ppt_06		OK			11-3-2	1 (a)a
du	llty in	harge	L	Newton's rings, Anti-reflection coating.	Inter _ppt_06		A testbook of Engine HQD			12-3-2	P



	K We	ek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Virtual lab link Teaching Aid	Refrence Boo Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
				1	Fraunhoffer diffraction from a single slit and a circular aperture, Diffraction grating and its resolving power.	Inter _ppt_07		physics (page number 468- 505)10th Edition		12-3-2	2	7
10	28 Feb 5 Mars 22		4		Fraunhoffer diffraction from a single slit and a circular aperture, Diffraction grating and its resolving power.	Inter ppt 07 Inter ppt 07		,Atextbook of Applied physics(1.1 to 1.39) first edition		14-3-		
11		+			Numericals	Inter ppt 07 Inter ppt_08		1.55) first echion		14-3-		(A)an
	7March to 12 March		4	v	numericals	Inter _ppt_08				15-3		12
	22			I	Optical fibers: Propagation by otal internal reflection, structure and classification	OP_ppt_01		9		2-3-		
12				,	Modes of propagation in fiber, Acceptance angle, Numerical aperture, Attenuation and dispersion.	OP_ppt_01				4-3-		
	4 march to 19	5		v	Acceptance angle, Numerical aperture, Attenuation and dispersion.	OP_ppt_02	*	A testbook of Engineering physics (page		5-3-	2	XVIII

GW culty in Charge





K No	P.	Lect.	No.		PPt ID	Virtual lab link Teaching Ald	Refrence Bot Chapter no. Page no, edition. No	link for quiz or poll	Completion Date	/Tutorial Date	AC's sign
	march 22			Light sources and Detectors, Applications of optical fiber as Sensors - i) Temperature Sensor ii) Pollution / Smoke detector			number 698- 725)10th Edition Atextbook of Applied physics(5.1 to 5.31) first edition		7-3-21		
13	21 march to 26	4	IV -	iii) Liquid level sensor, Fiber optic communication system.	OP_ppt_02				7-3-2	2	(a)_
	March		Numericals	OP_ppt_03				7-3-2	1		
				Numericals	OP_ppt_03				7-3-2	2 2_	17
14			Devices: Cathode Ray Tube, Cathode Ray Oscilloscope and its applications,	Devi_ppt_01		A testbook of		9-222			
		3		Function & working of each block, Bainbridge mass spectrograph.	Devi_ppt_02		Engineering physics (page number 70- 104)10th Edition Atextbook of		21-2-2-2	25-2 22 Tuta	2-22 / 20
	(A)	NS					Annued I				-2-22

GNP aculty in Charge HOD

College of Engineer Hingma,



Mahari il Karve Stree Shikshan Samu ha's UMMINS COLLEGE OF ENGINEERING OR WOMEN

Lab Practicals Plan

Clares separated on 21st Feb. Formel new

2021-22 CCOEW/ Department of Allied Science Department: AS Applied Physics Dr.S.Shastri Batch B 2 BatchB 1 /CI 00 No. of Viva No. of Viva done and Possible Perform Ac's Perform done and Planned Planned link for Name of experiment variation Link for virtual lab Pi Lah ID Remark Date link for viva Date Date Date viva s used questions auestions online comparative study of cubic https://vlab.amrita.edu/?sub=1&brch= 12-01-2022 /2-01-22 12-01-2022 |2-01-20 crystal structure 282&sim=370&cnt=1 https://vlab.amrita.edu/index.php?su online Newtons rings b=1&brch=189&sim=1520&cnt=1 19-01-2022 19-01-2022 19-01-2 Determination of angle of https://vlab.amrita.edu/index.php?su online 02-02-2022 2-2-22 02-02-2022 prism b=1&brch=281&sim=1508&cnt=1 https://vlab.amrita.edu/index.php?su 09-02-2022 g-2=2, onlike 4 RI of prism 09-02-2022 b=1&brch=281&sim=1513&cnt=1 https://vlab.amrita.edu/index.php?su Plane diffraction grating 02-03-2022 2-3-24 offline 02-03-2022 b=1&brch=281&sim=334&cnt=1 https://vlab.amrita.edu/index.php?su 16-03-2022 16-3-2 online NA of optical fiber 16-03-2022 b=1&brch=189&sim=343&cnt=1

23-03-2022 23-3-20 Here.

https://www.svce.ac.in/acdcsignal/si

mulation.html

Sub. Teacher

voltage using CRO

Detrmination of AC and DC

Ac

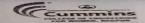
23-03-2022





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

with one



Date: 17/ 1 / 2022

					Departme	nt of Allied Scie	nce				
Facu	ilty Name:Dr	Shubhang	ji Bomp	ilwar		Sub:Applied P	hysics	Sec: C	Ye	ar : 2021-22	Sem:-1
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/Tutoria I Date	AC's sign
				comparison of classical and quantum mechanics	Quant _ppt_01+ 02				17		
3	17 Jan to	4		Plancks hypothesis, Einsteins theory of photons, Concept of wave-particle duality	Digital slet with one note				HAT OT		ala-
3	22 Jan22	*		Compton effect, Expression for Compton shift & its interpretation,de Broglie hypothesis	Digital slet with one note		A testbook of Engineering		22 5AN.		
				, de-Broglie Hypothesis	Digital slet with one		physics (page number 368-				
4	24 Jan to	4		Matter Waves, Davisson-Germer Experiment; Bohr's Quantization condition.	Digital slet with one note		405)10th Edition ,Atextbook of Applied physics(1.1		24 JA		
	29 Jan 22		п	numericals	Digital slet with one		to 1.39) first edition		29 JAN	1	Da
				Wave function Ψ and normalization condition, concept of wave packets,	Digital slet with one note				31-JA1	30 JAH SOZI	
	31 Jan to 5			Heisenberg Uncertainty Principle:	Digital slet with one				S FEI	3) a)
5	Feb	4		Numericals	Digital slet with one						1)

Faculty in Charge

HOD



K No.	Week	No. Of Lect.	No.		PPt ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	nk for quiz or C	n Date	I Date ACs sign
				Schrodinger wave equation (time dependent and time independent), Application to one dimensional infinite potential well.	Digital slet with one note				7 Pb -10 22 Feb	1
6	7 Feb to 12 Feb 22	3		Electron Optics , Bethe's law, Lecetrostatic lens, Numericals	Digital slet with one note				P	Moz
7	14 Feb to 19 Feb			Ses	ssional I (15N	/ar-20Mar)			1	
8				Electrostatic lens, CRT	BB				21/Peb	
	21 Feb to 26Feb 22	5		CRO Block diagram and functions					+0	
	26Feb 22			Components of CRO and its working Bainbridge Mass spectroscope		Black			26 Feb	(Q)a
1				Numericals		Board	A testbook of Engineering			
	Feb to 5	4	IV	Optical fibers: Propagation by total internal reflection, structure and classification	BB		physics (page number 468- 505)10th Edition		28-Feb	
- M	farch 22			Attenuation, loss mechanism, Applications of OF			Atextbook of Applied physics(1.1 to 1.39) first edition		s mouth	(A)a
T			İ	Numericals						
12 1	arch to March 22	4		Wave optics, interfereance in Wedge shaped thin filmApplications of wedge shaped thin film	BB			5 march	7 march	https://docs.google.com/for ms/d/1wppB_807SN9MIk08V R84GaH2m3092xvau6zHO6gq
ulty	In Cha	rge		, AR coating, newtons ring expt and its applications					12 month	eTU/edit
							HOD			4



WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Virtual lab link Teaching Aid	Chanter no. Page 1	link for quiz or poll	Completio n Date	Assignment/Tutoria	AC's sign
12				Numericals	BB		A testbook of Engineering		14 mod	10 march 2022	
	14 march			Diffraction, its types,			physics (page number 698- 725)10th Edition		10		
	to 19 narch 22	5	IV	Diffraction grating, resolving power	βВ		,Atextbook of Applied physics(5.1 to 5.31) first edition		22 C		
				numericals Revision							

San Palwol
Sub. Teacher

MOZ Ac



Lab Practicals Plan 2021-22

	S.Bompilwar				Applied Ph	nysics			Departn AS	nent:	Section:A
-	T					BatchA 1		E	Batch A2		
Pi	Name of experiment	Lab ID	Possible variations used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
pri	print				print	fill	fill	print	fill	fill	fill
1	comparative study of cubic crystal structure			https://vlab.amrita.edu/?sub=1&brch =282∼=370&cnt=1	13-01-2022	13/1/22		13-01-2022	13)1/22		1
2	Newtons rings			https://vlab.amrita.edu/index.php?su b=1&brch=189∼=1520&cnt=1	20-01-2022	20/1/22	~	20-01-2022	20/1/22		>0)o
3	Determination of angle of prism		rterb	https://vlab.amrita.edu/index.php?su b=1&brch=281∼=1508&cnt=1	03-02-2022	27/1/22	11-	03-02-2022	27/1/22	4	7
4	RI of prism			https://vlab.amrita.edu/index.php?su b=1&brch=281∼=1513&cnt=1	10-02-022	21/1/22	~	10-02-2022	27/1/22	_ /	5
5	Plane diffraction grating			https://vlab.amr/ta.edu/index.php?su b=1&brch=281∼=334&cnt=1 LAB	03-03-2022	3/2/22		03-03-2022	5/2/22	-	100
6	NA of optical fiber			https://vlab.amrita.edu/index.php?su b=1&brch=189∼=343&cnt=1	17-03-2022	2 3 22	V	17-03-2022	2/3/22	~	102
7	Detrmination of AC and DC voltage using CRO		vaciation	https://www.svce.ac.in/acdcsignal/simulation.html	24-03-2022	21/2/22	~	24-03-2022	23/2/22		7

Sub. Teacher

Ac



Dr. Milind Khanapurkar



Maharshi Larve Stree Shikshan Samsth CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/Allied Science/ 21-22

LESSON & TEACHING PLAN for BCME

	Departmen	t of Allied Scien	ice				
		Sub: EE	Section-A & B		Year:	2021-22	Sem:-1
ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
_ppt		PPT.			4)1)22)

Date: 28/12/2021

Fac	culty Na	me: C	r. Ash	na H. Gedam			Sub: EE	Section-A & B		Year :	2021-22	Sem:-1
EE K No	Week	No. Of Lect	Unit	Fxact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
1				Basics of Energy - Introduction, sources and types of energy, Units of	AC_AS_ppt _01		PPT.			4)1)22		
				energy, Thermal Basics of energy - fuels, thermal energy contents of fuel,				Energy and		5/1/22		
	03 Jan 08 Jan	4	1	heat capacity, sensible and latent heat, evaporation, condensation, steam, moist air and humidity & heat				environment Dr.AV Bharati pg.1-42		7/1/22		7
				transfer. • Classification of fuels,				pg.1-42		7/1122		War
				Calorific Value (HCV & LCV). Determination of Calorific value by Bomb and Boy's Calorimeter.	AC_AS_ppt _02					10/1/22		
	0 Jan -	1		Solid Fuels:- Significance of Proximate and Ultimate Analysis of coal,				Energy and environment		11/1/22	11/1/22	3
	5 Jan	-		Numerical based on Dulong's formula				Dr.AV Bharati pg.1-42		13)122		
				•			,			15/1/25	>	Da or
C	ultvi	n Cl	1.	Numerical on Goutal's Formula for Gross Calorific Value based on Poximate Analysis	AC_AS_ppt _03			ног	D	10/1/22		1

Dr. Milind Khanapurkar

EI K	(N	Week	No. Of Lect	No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Chapter no. li Page no,edition. No	ink for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
	1.7	Inc			Numerical on Calorific Value determination.				Energy and environment		18/1/22	6	
3	22	Jan - Jan	4		Numerical on GCV & NCV by using relation formula (convert answer in joules or one of the CV				Dr.AV Bharati pg.1-42		1011/2	2	4
					given in joules)						20/1/2	2	1 a)-
					of crude oil, Catalytic cracking and	AC_AS_ppt 04					21/1/2	2	
	24.	Los			its advantages • Knocking in internal combustion				Energy and environment		23/1/2	2	
		Jan - Jan	4		petrol and diesel engine, Octane and Cetane number,		Dr.AV Bharati pg.43-96		29)1/2	2	1		
											31/1/2	22 31/1/2	2
					Knocking and its relationship with structure of fuel, Doping agents,	AC_AS_ppt _05					1/2/2	2	
	31 J	Jan -	an - 4		 Power alcohol, Gasohol, Diesehol. Aviation fuel, Bio-diesel. Gaseous Fuel:-CNG, H2 as 				Energy and environment		2/2/2	12	(1)
1	05 F	Feb			specialised fuel Combustion Calculations				Dr.AV Bharat pg.43-96	ti	3] 2]	22	
											572	122	1
			0	Bio-energy, Photolysis of water- Chemical Conversion of Solar Energy	AC_AS_ppt _06					7/2/	22		
		Energy. Nuclear fuels: Numerical on Binding Energy & Average Binding Energy per Nucleon Fuel cells-working, advantages and disadvantages of alkaline, methanol fuel cells		Nuclear fuels: Numerical on				Energy and environment		872/	22	a	
1	LZ F		` I	Energy per Nucleon Fuel cells- working, advantages and	•			Dr.AV Bhar pg.164-202	ati ,	912	122 9/2	22	
								12/	2/22				
á	uli	ty ir	n Cl	narg	se Mar				Н	Dig.			



EE K No	Week	No. Of Lect.	No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid		link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
	21-26 Mar	4	5	 Introduction of Advance materials, properties and applications:- composites, liquid Crystal polymers, conducting polymers, insulating materials, adhesives, biodegradable polymers 	AC_AS_ppt			Energy and environment Dr.AV Bharati pg.212-242		16/3/22		
15 1	28-31 Mar	4	5	Nanomaterials in energy- Photochemical devices like lithium ion batteries, Nanomaterials for Energy Storage, nanomaterials in solar cells.	AC_AS_ppt			Energy and environment Dr. AV Bharat pg. 212-242	i	19/3/22		
12	1 Apr- 9						Sessional	п				

Sub. Teacher

Down





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Lab Practicals Plan

	DEW/ Department of Allied science Asha H. Gedam	T	and of second like						Section: B
Jr.	Asna H. Gedam	1		Departr	ment of Allied s	cience			
Pi	Name of experiment	Lab IC)	Possible variations used		Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
μп	print					print	fill	fill	fill
1	Determination of Flash Point of the given sample by Abels/ Pensky Martens close cup apparatus	BSE13TEE	P01	change in	oil s-	01-11-2022	111/22)	W=
2	Determination of Neutralisation number (Acid value) of oil.	BSE13TEE	P02	charge in	remolity	18/1/22	18/1/22	1	Qua-
3	Determination of Viscosity by Redwood Viscometer and specific gravity of Biodiesel at different temperatures.	BSE13TEE	P03	charge 9	Reduved	25/1/22	25/1/22	1	War
4	Determination of COD of water sample.	BSE13TEE	P04	natural w	ele_samples	02-08-2022	2/8/22	- 1	War.
5	Proximate analysis of coal - Determination of % of Moisture and % of Volatile Matter in coal sample	BSE13TEE	P05	Varieti	say es	15/2/22	15/2/22	1	War
6	Proximate analysis of coal - Determination of % of ash in coal sample	BSE13TEE	P06	oin se	vanete	22/2/22	22/2/22	1	Way



Kinlind



Maharshi Kaye Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Acusen with a difference



CCOEW/AS / 21-22

Date: 1/ 1 / 2022

		_	-		1	Dep	artment	of Allied Scien	ce				
Fac	culty Na	me: F	rof. F	ashmi Deshpande				Sub:Commun	ication Skills	Sec: A,B	Year:	2021-22	Sem:- I
WI EK No.	Week	No Oi Lec	. Ur		Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's
				Introduction to Communication, Importance of Communication	BESITTCS W01L01	CS_ppt_ 01			Communication Skills by Dr.		4/1		n
1	3Jan- 7Jan	3	1 4	or communication,	BESI7TCS W01L02	CS_ppt_ 02			L.Bisen Chap1, self prepared notes		6/1		> 1
				Types of communication- Verbal and Non Verbal	BESI7TCS W01L03	CS_ppt_ 02			notes	4	711		1/0
	10Jan-			Oral and Written Communication	BESI7TCS W02L04	CS_ppt_ 04			Communication Skills by Dr.		11/1		6
	13Jan	3	IB	methods to overcome them		CS_ppt_ 05			L.Bisen Chap1, self prepared notes				\
1				methods to overcome them	W02L06	CS_ppt_ 06					15/1		1
	7Jan- 1Jan	3		tenses and its typ	BESI7TCS W02L07	CS_ppt_ 07					13/13/1		
1	21Jan		IV A	asic Grammar: Tenses and its typ	BESI7TCS W02L08	CS_ppt_ 07			Communication		21/1		10
24 201	4Jan-	2		asic Grammar: Tenses and its typ	BESI7TCS W02L09	CS_ppt_ 07			Skills by Dr. L.Bisen Chap8, self prepared notes		172/1		1



Kridina Dr. Milind Khanapurkar

W El N	K We	ek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
4	24Ja 29Ja		3		asic Grammar: Tenses and its typ	BESITTCS W02L09	CS_ppt_ 07			self prepared notes	2			7
	2931				Types of Sentences Transformati	BESI7TCS W02L10	CS_ppt_ 8				3 29/1			,
						BESITTCS W02L11	CS_ppt_ 8				2			
5	31Ja	n-	3			BESITTCS W02L12	CS_ppt_ 8			Communication	(5-12-			Mu
	5Fe	ь	1	IVВ		BESITTCS W02L13	CS_ppt_ 8			Skills by Dr. L.Bisen Chap8,	13/			
	4.				Reported Speech	W02L14	CS_ppt_ 9			self prepared notes	2			7
6		7Feb.	3		Reported Speech	W02L14	CS_ppt_ 9				C11/2			5
	-	b-19F	ab			W02L15	CS_ppt_ 9				1			Delive
_	1416	0-191	eb					Session	nal Exam(1	4Feb-19Feb)				-
7					Listening Skills	W03L16	CS_ppt_ 10				7			h
	21Feb 25Feb		3 1	I A	Importance of Listening	BESITTCS W03L17	10			Communication Skills by Dr.	921/2			V
	25760				Types of Listening	W03L18	CS_ppt_ 10		4:	L.Bisen Chap2, self prepared	1			1
(8)	7				istening Barriers and methods	BESI7TCS				notes	-01			1
8					to overcome them Effective Speaking Skills	W03L19 BESI7TCS W03L20	CS_ppt_				23/2	-		
	28Feb- 5Mar			C	Components of Public Speaking	BESITTCS W03L21	CS_ppt_				2/3			101
1	SMar	١.,		omponents of Public Speaking	BESI7TCS W03L22	11			Communication Skills by Dr.	9 5/3			10	
9					vercoming stage fear in public speaking	BESI7TCS W03L23	CS_ppt_			L.Bisen Chap3, self prepared	4. 7/2			1 -0
adı	illi i	n c	har	ge	Group Discussion-Process and techniques	BESI7TCS W03L24	CS_ppt_			notes HOD	410			-



VE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
				Group Discussion-Process and techniques		CS_ppt_ 12				7/3			
10				Reading Skills, Importance of Reading		CS_ppt_ 13			Communication	15/3			
	14Mar- 19Mar	3	ша	Sources of Reading, Skimming, Scanning,	BESI7TCS W03L27	CS_ppt_ 13			Skills by Dr. L.Bisen Chap4,	15/3			1
				Sources of Reading, Skimming, Scanning,	BESI7TCS W03L28	CS_ppt_ 13			self prepared notes	14/9			Om
1				Comprehending passage		CS_ppt_				2			1
Ì	21Mar- 25Mar	3	пв	Comprehending passage		CS_ppt_ 14				16/8			
			300	Comprehending passage	BESI7TCS W03L31	CS_ppt_ 14			Communication Skills by Dr.	1.7.7			1/-
2				Process and Techniques of Composition	BESI7TCS W03L32	CS_ppt_ 15			L.Bisen Chap7, self prepared	9			100
	28Mar- 31Mar	3	шв	-Précis, Paragraph, Essay	BESI7TCS W03L33	CS_ppt_ 15			notes	(1913			/ Won
				-Précis, Paragraph, Essay	BESI7TCS W03L34	CS_ppt_ 15				1			

Sub. Teacher

Marie

Faculty in Charge

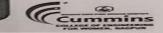
HOD





Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan

CCOEW/ Department of Allied Science

2021-22

R.	Deshpande				Comn	nunicatio	n Skills		Departmen	nt: AS	Section:
						Batch A	į.		Batch A 2		
Pi	Name of experiment	Lab ID	Possible variations used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
1	Barrires to Communication	BESI7PCS7/1/ 22P01). 		7/1/2022	7/1		7/1/2022	7/1		a
2	Non Westal Listening Communication kills	BESI7PCS21/1 /22P02		Verity Vlahs ac in listen	21/1/22	21/1		21/1/22	21/1		12
3	Speaking Skills	BESI7PCS24/1 /22P03			29/1/22	28/1		28/1/22	28/1		10
4	Group Discussion	BESI7PCSCS4/ 2/22P04			4/2/2022	4/2		4/2/2022	412		1
5	Interview Techniques	BSE1CS4/3/22 PO5			4/3/2022	3/3		4/3/2022	3/3		1
5	Reading Skills	BESI7PCSCS18 /3/22P06			18/3/2022		ken, ceur	18/3/2022	last to	en course	eaces [
	rresentation Skills	BESI7PCS1CS2 5/3/22P07			25/3/22	10/3	L. Constant	25/3/22	1		1

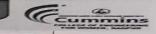
Sub. Teacher



Dr. Milind Khanapurkar



Maharshi Karvo Stroo Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Lab Practicals Plan

R.	Deshpande				Comm	nunication	Skills		Departme	ent: AS	Section:B
						BatchB 1			Batch B 2		
Pi	Name of experiment	Lab ID	Possible variations used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
1	Barrires to Communication	BESI7PCSCS10/1 /22P01			10/1/2022	10/1	-	10/1/2022	10/1		- 8
2	Communication Skills	BESI7PCSCS17/1 /22P02	Panage 1 Panage 3	ve-11tg. viabs	17/1/22	17/1		17/1/22	17/1		B
3	Speaking Skills	BESI7PCSCS24/1 /22P03		, , ,	24/1/22	24/1		24/1/22	24/1		7
:	Group Discussion	BESI7PCSCS7/2/ 22P04			7/2/2022	23/2		7/2/2022	21/2		Lar
	Interview Techniques	BESI7PCSCS28/2 /22P05			28/8/22	2/3		28/8/22	2812		1 (Was
1	Reading Skills	BESI7PCSCS7/3/ 22P06	#1		7/3/2022	4		7/3/2022	-	Not tak	en become
1	resentation Skills	BESI7PCSCS28/3 /22P07			28/3/22	15/3		28/3/22	16/3	C WOLE (O Proposition

Sub. Teacher





Dr. Millind Khanapurkar Principal



Mahar hi Karve Stree Shikshan 🗓 n

CUMMINS COLLEGE OF ENGINEERING FOR WOME



CCOEW/AS / 21-22

Date: 1/ 2 / 2021

LESSON & TEACHING PLAN for Advanced engineering Materials

					Depar	tment of Allied Se	ience		
Faculty	Name:Dr Sa	anjivani sh	astri			Sub:Applied P	hysics	Sec: A,B	Year:
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date
1	18 April to 23 April			Basic idea of free electron theory of metals, expression of conductivity of a metal. Formation of energy bands in Solids, Fermi energy and Fermi level.	Semi				18-4-22 20-4-22
		3	1	Classification of solids on the basis of energy band diagram: Conductors, Semiconductors and Insulators, concept of Fermi energy.	Semi		A textbook of Engineering Physics by		
				Numericals	Semi _ppt_03		Avdhanulu (Edition 2009)Page number (506 to 563,Advvanced	Assign	27-4-22 ment 28-
25	April to			Types of Semiconductor diodes, P N junction Diode: Characteristics of P-N junction Diode,	Semi _ppt_04		Engineering Materials by Dr S shastri (1 to 82)		Mulia
	in Chai	rge	13				HOD		



Dr. Milind Khanapurkar

0			-	45 100	Ruby laser and Fierre	freedith(S)					
10	1720741	- 44	Lect.	No.	Exact To pic Name & Subtopic	FPtID	link Teaching	Chapter no. Page no,edition. No	link for quiz or poll ASSI grant	Completion Date	
			4	11	Tunnel Diode, Zener Diode LED, Photodiode.Transistors Hall effect, Hall voltage and Hall coefficient; its applications,	Semi			Tetenal	28/4/2	Q1/8
					Numericals	Semi _ppt_06				215/22	G/k
3	2 May t	07			Quantum Transitions: Absorption, Spontaneous emission & stimulated Emission,	Laser _ppt_01			22/4/22 Asign /	2005	
	May		4	4	, Metastable states, Principle of laser, Laser characteristics, Coherence length and coherence time,	Laser		A textbook of Engineering	Tutorial 2_ 13/5/22_	16/5/22	- en,
4	9 May to		3	īv	Pumping schemes: Three level and Four level.	Laser _ppt_03		Physics by Avdhanulu (Edition 2009)Page number395-421, Advanced Engineering		20/5721	
					Optical Resonator,	Laser _ppt_04		Materials by Dr S shastri (138 to 166)		2011722	
Facu	lty in Cl	nar			Ruby laser and He-Ne laser,	Laser _ppt_05		нов		23 157 2	





Lab Practicals Plan

Di	r.S.Shastri		Adva	nced engi	neering Ma	terials	Department:	AS	
				BatchC 1			Batch C 2	1	
Pi	, and or experiment	Possible variations used	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	
pr	print		print	fill	fill	print	fill	fill	1
1	V-I characteristics of Semiconductor diodes		21-04-2022	21/4/2		22-04-2022	22/4/22		6
2	Input, output and current transfer characteristics of NPN transistor in CE mode		28-04-2022	28/4/2		29-04-2022	29/4/22		3
3	V-I characteristics of Zener diodes.	Diodes with different Zener voltage	05-05-2022	5/5/2		06-05-2022	615/22		3
4	Input, output and current transfer characteristics of NPN transistor in CB		12-05-2022	12/5/	2_	13-05-2022		2	
5	Study of Diode as a rectifier		19-05-2022	13151	22	20-05-2022	2 20 15/2	2	(1
6	Study of LED	use of Diodes with different colors (cut-in vol.)	09-06-2022	26 5	122	10-06-202			1
	Determination of band gap Energy of Semiconductor		23-06-2022	2		24-06-202	22		1









Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/AS / 21-22

Date: 18/ 4 / 2022

				De	partment o	of Allied Science	e				
Facult	y Name:D	r Shubhai	ngi Bon	npilwar		Sub:Advance	ed Engineering Materia	Sec: C	Year	: 2021-22	Sem:-
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPtID	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/Tut orial Date	AC's sign
1	18-23 April 22	2		Band Theory of Solids: Basic idea of free electron theory of metals,	PPt	BB			20/4/22		7
	74 m 22			Expression of conductivity of a metal. Drift velocity, mean free path			A testbook of Engineering		21/4		na
-			I	Formation of energy bands in SolidsClassification of solids on the basis of energy band diagram:			physics (page number 506-		722/4/2	26/4/22	100
	25-30			Conductors, Semiconductors and Insulators.			526)10th Edition ,Atextbook of		(27/4/2		12
2	April 22	4		concept of Fermi energy.Fermi energy and Fermi level.Concept of effective mass,			Applied physics(1.1 to 1.39) first edition		1/21/1/2		1
				Numericals		ВВ					1
				Semiconductor Devices: Basics of Semiconductor, conduction process		PPT	2		28/4		10
3	2-7 May 22	4		characteristics of P-N junction Diode: "Tunnel Diode, Zener Diode,		BB			2914		1
				, LED, Photodiode.			A testbook of		215		Ko
			II	Transistors			Engineering physics,M N		5/5/2	2	1/6

Faculty in Charge

HOD



Dr. Milind Khanapurkar Principal

WEE No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/Tut orial Date	AC's sign
				.Hall effect, Hall voltage and Hall			Avadhanulu (page		}		7
4	9-14 May 22	3		applications of Hall Effect		BB	number 527- 607)		8 9-11	AS-2	1
				Numericals *					map	11 may 22	1
				Numericals					22		
				Magnetic and Superconducting Materials: I ntroduction to magnetic materials, magnetic field,					1		70
5	16-21 May 22	4		magnetic dipole moment, magnetic induction,magnetization, magnetic susceptibility, magnetic permeability,		PPT projection	A testbook of Engineering		10/6/2	2	
			Ш	Diamagnetic, Paramagnetic, Ferromagnetic, Ferri-magnetic and anti ferromagnetic materials:			physics,M N Avadhanulu (page number 608- 664)		15/6/2		1
	23-26			Properties of mag. Materials					716/6		11
6	May 22	2		Hysteresis curve, Applications of magnetic materials					18/6/2		1
7	27 May -4 June 22				Sessiona	al I					
				Superconductors: Basics of superconductivity: Zero electrical resistance		BB \$			201	6	
				Persistent current Effect ofTemperature, Effect of Magnetic Field, Critical Current;		chalk			to 216		
8 6	6-11 June	4	m	The Meissner Effect.Type-I and type-II superconductors, London Equation:		prejection	A testbook of Engineering physics,M N		7		

Faculty in Charge

HOD



NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/Tut orial Date	AC's sign
				The penetration depth, Bardeen- Cooper-Schrieffer (BCS) theory.			number 608- 664)		22/6		(
				Numericals		BBS			23/6/22	2	7
				Numericals		chalk					1
9	13-18 June	4	IV	Lasers: Quantum Transitions: Absorption, Spontaneous emission & stimulated Emission,					12-17	13/6/22	1
				Coherence length and coherence time, Metastable states, Principle of laser		BB 8			5 may 22		
				Pumping schemes: Three level and Four level. Optical cavity		thalk	A testbook of		?	https://docs.google.	A.,
				Characteristics and applications of lasers			Engineering physics,M N		18-21 may	m/forms/d/1w9pB_1 SN9MLk08VR84GaH7	807
10	20-26 June 22	4		Construction & working of Ruby laser and He-Ne laser,		projectus	Avadhanulu (pag number 395- 421)		22		\bigvee
				Numericals					77-8		-
T				Numericals		BB			Jur		-14
11	27-30 June 22	3	IV	Test/Revision		10 Com			22	A Second Control of the Control of t	1
			٠	Test/Revision		d-toere		4	7.2716	124	
				Nanoscience and Nanomaterials			A testbook of Engineering		827/6	122	1
				Introduction to Nanoscience, Classification of nano materials,			physics (page		P		11

Faculty in Charge

9

HOD



NEEK		No. Of	Unit		PPt ID	Activity/ Teaching	Refrence Book - Chapter no. Page	link for quiz	Completio n Date	Assignment/Tut	AC's sign
No.	Week	Lect.	No.	Exact Topic Name & Subtopic	FFCID	Aid	no,edition. No	or pon	l Pate		,
12	4-9 aury 22	4		with bulk materials, Some special nanomaterials		projects	manufact to delice		28/6/22		
				Zeolites, 2) Graphine, Application of nanomaterials in engineering			Applied physics(5.1 to 5.31) first edition		29/5/22		y Chi

But That

Daz

Ø

Faculty in Charge

HOD









Lab Practicals Plan

COLIN	Department of Allied Science			2021-22				1		
	Department -			Advanced	Engineeri	ng Materials	s	Department:	: AS	Section:A
or.S.Bo	ompilwar				Batch A1			Batch A2		
Pr. No.	Name of experiment	Lab ID	Possible variations	Planned Date	Perform	No. of Viva	Planned Date	Perform Date	No. of Viva done and	Ac's Remark
			Variations	print	fill	fill.	print	fill	fill	fill
print_	Parameter extraction from V-I characteristics of PN junction diode.		Si, Ge diode	18/4/22	18/4	V	2014	20/4/22		7
2	Parameter extraction from V-I characteristics of PNP/NPN transistor in CE mode		-		25/4		27/4	27/4/22		Mos
3	Parameter extraction from V-I characteristics of Zener diode.		zenes da	05-05-2022	2/5/22		5/5/22	05-13-2022)
4	Parameter extraction from V-I characteristics of PNP/NPN transistor in CB mode			16/5/22	915/22	. /	18/5	18/5/22	/	
5	V-I Characteristics of Light Emitting Diodes.		distinctes	30/5/22	23/5		7/6/22	06-01-2022	_ \	
6	Study of Diode rectification		raniation ilei volt		6 6 22	- /	15/6/22	15/6/22		100
7	Laser source: Determination of wavelength by diffraction grating		variation dist.		20/6/22	/	22/6/22	29/6/22		

B

Sub. Teacher

Ac





CCOEW/AS /21-22

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Date: 18-4-2022

LESSON & TEACHING PLAN for Applied Chemistry

					Depar	tment of A	Ilied Scien	nce					
Fac	ulty Na	me: D	r. As	ha H. Gedam				Sub: Applied	chemistry	Sec: A,B,C	Year :	2021-22	Sem:- II
WE EK No	Week	I DUDOSOUS N	Uni t No.	Exact Topic Name & Subtopic	Topic ID	PPT ID	Video II	Activity/ Virtual lab lin Teaching Aid	Page	link for quiz or poll	Completio n Date	Assignmen t/Tutorial Date	AC's sign
			3	Basic concept of free energy and EMF	BSE2- 3TACW01D020621L0						18 4 22		7
1	18-23 April	4		Cell potential, Nernst equation and its application	2 2 31 ACW01D020621L0						1914122		Palet
				Corrosion, definition, causes, theories	3TACW01D020621L0			To classify the substance in day	P.C.Jain and	1	20/4/22		1
				Dry wet, differential aeration	3TACW01D020621L0	AC_ppt_ 01		metallic and non	M. Jain 329- 354	1	2) 14)22	1	
				Types of corrosion, pitting, stress, intergranular corrosion	BSE2- 3TACW01D020621L0			metallic and study the corrosion types			2 9 22	19	
				prevention and control of corrosion	BSE2- 3TACW01D020621L0			in it		2	574122		20
2	25-30	6			BSE2- 3TACW01D020621L0						714)22		
- 550	April			Tutorial lecture	BSE2- 3TACW01D020621L0						714/2	4	1 -
			5	Green chemistry, introduction,	BSE2- 3TACW01D020621L0						8)4)22	C	Har
					BSE2- 3TACW01D020621L0						7/4/22		
				Numericals on atom economy	3TACW01D020621L0			Numericals to			14/22		

Faculty in Charge

Mic



WE EK No	Week	No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic	Topic ID	PPT ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence 8ook Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignmen t/Tutorial Date	AC's sign
				Carbon sequestration, carbon credits	3TACW01D020621L0	AC_ppt_ 02		the students	S. Dara 814-7-		2/5/22)
3	2-7	6		Dimethyl carbonate and its application	BSE2- 3TACW01D020621L0						315722	3)5/22	->
	may			lapplications	BSE2- 3TACW01D020621L0						4)5/22		100
					BSE2- 3TACW01D020621L0						5/5/22	_	J
					BSE2- 3TACW01D020621L0								
				water	BSE2- 3TACW01D020621L0						101 100		,
				discussion of coagulation by various reagents	BSE2- 3TACW01D020621L0 18			To identify the coagulating agents in day to	S. Dara 22-6		1-1-101		
4	9- 14ma	6		Sterilisation by using ozone , chlorine	BSE2- 3TACW01D020621L0 BSE2-						n/1/22		01
	,			Break point chlorination	3TACW01D020621L0 BSE2-						12/5/22		also
				reactions, advantages, limitations Softening of water by ion exchange	3TACW01D020621L0 BSE2-				-		13/5/22	4	
					3TACW01D020621L0 BSE2- 3TACW01D020621L0	AC_ppt_ 03		Numericals to	-		1, 1/100)	
					BSE2- 3TACW01D020621L0			be solved by the students			711727		
S	16-21 may	5	1	Boiler troubles, causes, effects and its prev	BSE2- 3TACW01D020621L0						7/3/24		
		-	5	Scales, sludges, caustic embrittlement	BSE2- 3TACW01D020621L0 BSE2-						101/22		00
1			e	electrodialysis and reverse osmosis	3TACW01D020621L0						6 16 12 7		1 an
		-	V	waste water treatment, memberane biore	3TACW01D020621L0						0,10,100)
1	1		T	Parameter design from the control of	3TACW01D020621L0								

Faculty in Charge

Qa_



				*				-					
WE EK No	Week	Of	Uni t No.	Exact Topic Name & Subtopic	Topic ID	PPT ID	Video ID	Activity/ Virtual lab link Teaching Aid	Chapter no. Page no,edition. No	link for quiz or poll	n Date	Assignmen t/Tutorial Date	AC's sign
6	23-27	6			BSE2- 3TACW01D020621L0 30							23/5/2	
9	may			Electronic configuration, periodic trend of atomic and ionic sizes.	BSE2- 3TACW01D020621L0							28/5/2	2
	y			ionisation energy, electron affinity,	3TACW01D020621L0			To draw a chart				7.7	
				Liectionegativity, polarizativity	BSE2- 3TACW01D020621L0			of trends in atomic				2711	22
	27ma y-4			SESSIONAL		AC_ppt_		properties					
				7. Komio and molecular orbitals	BSE2- 3TACW01D020621L0	04						6/6/22	1
	6-11	400		level diagram of homo diatomic	3TACW01D020621L0							7/8/22	4
7	june	5		diatomic molecules	BSE2- 3TACW01D020621L0 BSE2-							81612	1/
			- 1	Crystal field incory	3TACW01D020621L0				Applied chemistry			10/6179	10
				metal ions	BSE2- 3TACW01D020621L0				by Dr.			111-	1)0
				octahedral complexes	BSE2- 3TACW01D020621L0				Avinash Bharati			13/1/22	-
				Tutoriai rectare	BSE2- 3TACW01D020621L0							14/6/22	1
8	13-18 june	5	4	enthalpy, free energy	BSE2- 3TACW01D020621L0							157612	2
				Brief introduction of system, surrounding, intensive and extensive	3TACW01D020621L0							16/6/1	37
				Definition and basic concept internal energy	BSE2- 3TACW01D020621L0							17/6/2	
				Numerical on internal energy and entha	3TACW01D020621L0								
				Numerical on internal energy and entha	3TACW01D020621L0	AC_ppt 05						18/6/2	
	20-25	_		Zeroth law, first law Second law of thermodynamics	85E2- 3TACW01D020621L0							22/61	122 -

Das





WE EK No	Week		Uni t No.	Exact Topic Name & Subtopic	Topic ID	PPT ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignmen t/Tutorial Date	AC's sign
,	june	U		Reversible, irreversible reactions	3TACW01D020621L0						23/6/22	-	2
				Use of Gibbs free energy in chemical equilibrium and oxidation reduction	#3E2- 3TACW01D020621L0						24/6/2	2	M
				Tutorial lecture	#\$E2- 3TACW01D020621L0								Jus
	27-30 june	6	4	Principle of spectroscopy and selection rules	#\$E2- 3TACW01D020621L0			To draw the NMR spectra of 10 aliphatic and aromatic compounds			17		
0				Electronic spectroscopy, Lambert Beer's Law	SSE2- 3TACW01D020621L0						(29/6/2		
0				Woodward, Fischer rule for conjugated dienes	3TACW01D020621L0						30/1/22		100
				Fluroscence, phosphorescence, Jablonski diagram	3TACW01D020621L0						, ,		1002
					BSE2- 3TACW01D020621L0	06					4/7/22		
п	4-9	6			BSE2- 3TACW01D020621L0						5/7/22		3
200	july	J		NMR spectra to draw for various compounds BSE2-3TACW01D020621L0						7/7/22		(01)	
				Magnetic resonance imaging enectrosed	BSE2- 3TACW01D020621L0						7/1/22		Jan
2	11-18 july					Sess	ional II						

Sub. Teacher Dr. A.H. Gedam



AC

(a)a____

Faculty in Charge

AC





Lab Practicals Plan

Ecclion

202-22 CCOEW/ Department of Allied Science Section:A Department: AS Applied Chemistry Dr. Asha H. Gedam B.C 82 Section & NO. OT No. of Viva Viva done Possible Ac's Planned Perform done Perform Link for Planned and link variations Lab ID Pi Name of experiment Date and link Remark Date virtual lab Date Date for viva used for viva questions auestion Dri fill. fill fill fill print print print Determination of hardness of water by complexometry BSE2-3PAC9621P01 method To determine type and extent of 26 |4 |22 10 |5 |22 BSE2-3PAC16621P02 alkalinity of given water sample Determination of free chlorine BSE2-3PAC23621P03 by iodometry Determination of dissolved 11/5/22 BSE2-3PAC30621P04 Determination of ferrous / ferric 18/5/22/18/5/22 BSE2-3PAC7721P05 by redox titration Synthesis of polymer BSE2-3PAC14721P06 Virtual demonstration of BSE2-3PAC28721P07 Lambert Beer's Law Demonstration of thin layer 21/6/22 21/6/22 22/6/22 22/6/22 BSF2-3PAC4821P08

Sub. Teacher

Dr. Asha H. Gedam

chromatography

AC Dr. A.H. Gedam

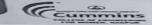


Dr. Milind Khanapurkar Principal

Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Mahary Karve Stree Shikshan Samsth S CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS/ 21-22

LESSON & TEACHING PLAN for Indian Culture and Constitution

Date: 18/04/2022

200												
Name: Pr	of. Priyad	larshini	i Ramteke				dian Culture & nstitution	Sec: C	Year: 2	2020-21	Sem:- I	
Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	link	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	t AC's sig	
10 24									21/4/27		1	
April	2	1	Difference between culture and civilization				1				1/	
			Vedic Culture & Civilization								1	
			Indus valley Civilization									
	2		Social Engineerng							1	4	
		2		Psychology						1		101
2 - 7 May	2	п	Meaning and Scope of Industrial Sociology								No	
Way	2		Recruitment of workers				A				1	
May 9 - 14	2		Selection Procedure				A			***	1	
May	-		Training in industry				A				1/01	
			Theories of Motivation				A		19/5/22	A	Tres	
5 16 - 21 May	2		Sustainable Development			-	A		6/6/2	2		
		III [A		GD.			
23 - 26 May	1		Concepts and styles of leaderships				A		Assign	men	1	
1	18 - 24 April 26 - 30 April 2 - 7 May 9 - 14 May 6 - 21 May	18 - 24	No. No.	18 - 24 April 2 26 - 30 April 2 27 May 2 II May 2 1 Concept of Culture & Civilization Difference between culture and civilization Vedic Culture & Civilization Indus valley Civilization Social Engineerng Meaning and Scope of Industrial Psychology Meaning and Scope of Industrial Sociology Recruitment of workers Selection Procedure Training in industry Theories of Motivation Sustainable Development Social Change	Lect. No. Exact Topic Name & Subtopic PPt ID	No. Exact Topic Name & Subtopic PPt ID Video ID 18 - 24 April 2 26 - 30 April 2 3 - 26 11 Concept of Culture & Civilization Difference between culture and civilization Vedic Culture & Civilization Indus valley Civilization Indus valley Civilization Social Engineering Meaning and Scope of Industrial Psychology Meaning and Scope of Industrial Sociology Recruitment of workers Selection Procedure Training in industry Theories of Motivation Sustainable Development Social Change	Week No. Of Lect. No. Exact Topic Name & Subtopic PPt ID Video ID Virtual lab link Teaching Aid 18 - 24 April 2	Week Lect. No. Fact Topic Name & Subtopic PPt ID Video ID Virtual lab link Teaching Aid Chapter no. Page no,edition. No Concept of Culture & Civilization Difference between culture and civilization Vedic Culture & Civilization Indus valley Civilization Social Engineerng Meaning and Scope of Industrial Psychology Meaning and Scope of Industrial Sociology Recruitment of workers Selection Procedure Training in industry Theories of Motivation Sustainable Development Social Change	Week No. of Lect. No. Exact Topic Name & Subtopic PPt ID Video ID Virtual lab link Teaching Aid Chapter no. Page no, edition. No or poll 18 - 24 April 2 Concept of Culture & Civilization Difference between culture and civilization Vedic Culture & Civilization Indus valley Civilization Social Engineerng Meaning and Scope of Industrial Psychology Meaning and Scope of Industrial Sociology Recruitment of workers 9 - 14 May 2 III Theories of Motivation Sustainable Development Social Change	Week No. of Unit Lect. No. Exact Topic Name & Subtopic PPt ID Video ID Virtual lab link Teaching Aid Imk for quiz Completion Date 18 - 24 April 2 Concept of Culture & Civilization Difference between culture and civilization Vedic Culture & Civilization Vedic Culture	Week No. of Lect. No. Industrial 2	





Principal
Maharshi Karvo Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Reconce Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
27	May - 4 J	une					SESSIONAL		100			
	6-11			Indian Constitution					14/6/2			1
7	June	2	IV	Federal System					14/6/2	2		
	13 18			Fundamental Rights					16/6/	32		
8	June	2		Directive Principles of state policy					Assian	ment		
				Bureaucracy					19/0/	22-		
9	20 - 25	2		Industrial Democracy					19/6/	22		
	June	2		Line Organization, Line & Staff Organization					21/6/2			
10	27 June -			Functional Organization					22/6/2	4		101
10	2 July	2	v	Power and Status					28/6/2	7		100
	4-9			Delegation of Authority					Assign	ment-		
11	July	2		Industrialization and Urbanization & Slums					30/6/22			1
11 - 1	8 July			1:0		Ses	sional II	THE WAR	9 - 1			-





Dr. Milind Khanapurkar

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS/ 21-22

LESSON & TEACHING PLAN for Indian Culture and Constitution

Date: 18/04/2022

					Departm	ent of Allied	Science					
Faculty	Name: Pro	of. Priyad	arshini I	Ramteke				ian Culture &	Sec: B	Year: 2	2020-21	Sem:-II
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
				Concept of Culture & Civilization						22/4/22		7
1	18 - 24 April	2	I	Difference between culture and civilization						25/4/22		
				Vedic Culture & Civilization						6/8/22		
				Indus valley Civilization						2/5/22		M
2	26 - 30 April	2		Social Engineerng						29/9/22	-	
				Meaning and Scope of Industrial Psychology						9/8/22		12
3	2-7	2	2 П	Meaning and Scope of Industrial Sociology						5/8/22		
,	May	1		Recruitment of workers						11/5/22		
	9-14			Selection Procedure						16/5/22		
4	May	2		Training in industry						20/5/22		VAI
				Theories of Motivation				Ī		10/6/2	4	100
5	16 - 21 May	2		Sustainable Development						QD.		1
	May		III	Social Change						Assi'an	men	1)
6	23 - 26 May	1		Concepts and styles of leaderships						15/6/-	27	1



Kridina Dr. Milind Khanapurkar

Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	no edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
27	May - 4 J	une					SESSIONAL	-1				
	6 - 11			Indian Constitution					17/6/2	3	1	1
7	June	2	IV	Federal System					17/6/2	2		
	13 18 June 2			Fundamental Rights					20/0/3	27		
8		2		Directive Principles of state policy					Asma	anmen		1al
				Bureaucracy					20/6/2	2		
9	20 - 25 June	2	2	Industrial Democracy					21/6/2	22		Ψ
				Line Organization, Line & Staff Organization					2146/2	2		
	27 June			Functional Organization					27/6/	24-		
10	27 June - 2 July	2	v	Power and Status					29/6/2	2_		
				Delegation of Authority					Asol9	monent		
11	July	2		Industrialization and Urbanization & Slums					36/4/2	12		
11 - 1	8 July		14-11	المتابات المديرة والأراكا		Se	ssional II	10000		1976		FILE

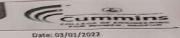
AC 92



Dr. Milind Khanapurkar
Principal
Maharshi Karve Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.



Maharshi Kurve Stree Shikshan Sar Athe's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/A5 / 21-22

LESSON & TEACHING PLAN for Applied Maths-I

Department of	Allied S	cience
---------------	----------	--------

-acu	ulty Name: Prof	of. Pravi	Of Unit No. Exact Topic Name & Subtopic Unit 3: Matrices Introduction Inverse of a matrix by Partitioning method Rank of a matrix Consistency of linear system of nonhomogeneous Homogeneous system of Linear equations Symmetric, Skew-symmetric and Orthogonal matrices Linear and Orthogonal transformations Unit 1: Differential Calculus Successive differentiation: Leibnitz's Rule Taylor's and Maclaurin's series for function o one variable Indeterminate forms and L'Hospital's Rule Maxima and Minima for function of one		Sub: 1	Mathematics-I		Allied Science	Year :	2021-22	Sem:- I (sec B)	
WEE	Wook	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPT ID	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
	03 Jan - 08	3				PDE-1-03		B.S. Grewal, Higher)
1	Jan	5	Thi .	Inverse of a matrix by Partitioning method		PDF-1-03	4	Engineering Mathem				1
		A = I	A = 7			Video ID/PDF Activity/ Virtual lab link Teaching Aid Refrence Book - Chapter no. Page no,edition. No Date Tut B.S. Grewal, Higher Engineering Mathem 15-01-2022 15						
				121 1						15-01-2022 17-01-2022 25-01-2022 29-01-22 04-02-2022 17-02	1/01/2	
	10 Jan - 15	1	4	Homogeneous system of Linear equations	4	PDF 1 03		B.S. Grewal, Higher		4		1 30 -
2	Jan	5	m			PDF-I-U3		Engineering Mathem	- Chapter dition. No or poll Completion Date Higher Mathem 07-01-2022 Higher Mathem 15-01-2022 Higher Mathem 25-01-2022 kh, Higher athematics 04-02-2022 kh, Higher athematics 105-02-2022	2-6-70		
			$\Lambda = I$	Linear and Orthogonal transformations	A T				er em			
			III	Cayley-Hamilton theorem						17-01-2022		
3	17 Jan - 22 Jan	5										17.
	Jan			Taylor's and Maclaurin's series for function of one variable		PDF-I-01		Engineering Mathem		25-01-2022	29.01.22	2 (D) a
	A			Indeterminate forms and L'Hospital's Rule				O T Destaudh Water				
4	24 Jan - 29 Jan	5	1	Maxima and Minima for function of one variable.		PDF-I-01				04-02-2027		17 al
	78.11		п	Unit 2: Multivariable Calculu Differentiation Functions of several variables		PDF-I-02				05-02-202	2) W.
	A STATE OF THE STA			First and Higher order partial derivatives		PDF-I-02			A		A	1
. 1	31 Jan - 05	5	11	Euler's theorem		Taxana and		D. T. Deshmukh, Higher			A	
ult	Feb ty in Charg	ge		Chain rule and Total differential coefficient		PDF-1-02		The same of the sa	\$			





No.		No. Of Lect.	f Unit No.	Exact Topic Name & Subtopic	PPT ID	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz	Completion Date	Assignment/ Tutorial Date	AC's sign
6	07 Feb - 12 Feb	3	11	Jacobians, Taylor's and Maclaurin's series for function of two variables		PDF-I-02		D. T. Deshmukh, Higher Engineering Mathematics		23-02-2022	Totaliai Date	
7	14 Feb - 19 Feb	6		two variables			Sessional - I Exar			1		Ma
8	21 Feb - 26 Feb	5	u	Maxima and Minima for function of two variables Lagrange's method of		PDF-I-02		D. T. Deshmukh, Higher Engineering Mathematics)
9	28 Feb - 05 March	5	IV	undetermined multipliers Unit 4: First Order Ordinary Differential Equations Linear and Bernoulli's equation		PDF-I-04		B.S. Grewal, Higher Engineering Mathem		27-02-2022		
10	07 Mar - 12 Mar	5	IV -	Equations of first order and higher degree: Solvable for p, y, x and Clairaut's type		PDF-I-04		B.S. Grewal, Higher		01-03-2022		T alac
	an Kini.			Application of first order differential equation to simple electrical circuits				Engineering Mathem		04-03-2022		1 Con
11	14 Mar - 19 Mar	5	v	Unit 5: Higher Order Ordinary Differential Equations Higher order ordinary linear differential equations with constant coefficients		PDF-I-05		B.S. Grewal, Higher Engineering Mathematics				
				Method of variation of parameters,						06-03-2022		1)
12	21 Mar - 26 Mar	5	v	Cauchy's and Legendre's homogeneous differential equations.		PDF-I-05		B.S. Grewal, Higher		07-03-2022	09.03.2	4
-				Simultaneous differential equations				Engineering Mathematics		09-03-2022		1/
3	28 Mar -	4	v	Equations of the type d2y/dx2=f(x) and d2y/dx2=f(y)		BDE LOE	B.S. Grewal, Higher				(A)a	
	31 Mar			Applications of higher order differential equations to simple electrical circuits		PDF-I-05	Engineering Mathematics	5	15-03-202	2	1	
4	4 April - 8 April					Ses	ssional- II Examina	ation				11

Subfreacher

Ac



ulty in Charge

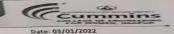
HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS / 21-22

LESSON & TEACHING PLAN for Applied Maths-II

					De	partment of	Allied Science					
aculty	/ Name: Prof.	Sneha L	Ittarwar				Sub: Mathematics-		Allied Science	Year:	2021-22	Sem:- I (sec A)
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPT ID	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
	03 Jan - 08		Tank	Unit 3: Matrices Introduction				B.S. Grewal, Higher			,	
1	Jan	5	111	Inverse of a matrix by Partitioning method				Engineering Mathem	8 101/22			
	, 10 Jan - 15			Rank of a matrix Consistency of linear system of nonhomogeneous					10 01 22			>.
	2 10 Jan - 15 Jan			Homogeneous system of Linear equations				B.S. Grewal, Higher	-			000
2		5	IH	Symmetric, Skew-symmetric and Orthogonal matrices				Engineering Mathem	10/01/22			1
				Linear and Orthogonal transformations					11/01/22	-)
			111	Cayley-Hamilton theorem					1.2/0/22			
3	17 Jan - 22 Jan	5	1	Unit 1: Differential Calculus Successive differentiation: Leibnitz's Rule				B.S. Grewal, Higher Engineering Mathem	15/01/2-	Tuterra	I Assgj-T	
	34.11			Taylor's and Maclaurin's series for function of one variable					24/01/2	+		\rangle
				Indeterminate forms and L'Hospital's Rule				D. T. Deshmukh, Higher	28/01/2	+		11
4	24 Jan - 29	5	1	Maxima and Minima for function of one variable.				Engineering Mathematics				1/01
	Jan		п	Unit 2: Multivariable Calculu Differentiation Functions of several variables				D. T. Deshmukh, Higher Engineering Mathematics	04/2h	Tuhma	1-11	1/00
				First and Higher order partial derivatives					1.			1
12	31 Jan - 05	5	11	Euler's theorem				D. T. Deshmukh, Higher		22 Fal	ASSIGN-0	24
ult	ulty in Charge		Chain rule and Total differential coefficient				Engineering Mathematic	·				



Dr. Milind Khanapurkar

Principal
Maharshi Karvo Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.

No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPT ID	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion	Assignment/ Tutorial Date	AC's sign
	07 Feb -	3		Jacobians, Taylor's and Maclaurin's series for function of				D. T. Deshmukh, Higher	12-1			1
ь	12 Feb	3		two variables				Engineering Mathematics	10/02/2	10/05/55	+	Ma
7	14 Feb - 19 Feb	6					Sessional - I Exar	nination				
8	21 Feb -	5		Maxima and Minima for function of two variables				D. T. Deshmukh, Higher		22/02/	2-1	1
	26 Feb	,		Lagrange's method of undetermined multipliers				Engineering Mathematics				
9	28 Feb - 05 March	5	IV	Unit 4: First Order Ordinary Differential Equations Linear and Bernoulli's equation				B.S. Grewal, Higher Engineering Mathem		23/63	Assig _03	3
10	07 Mar -	5	IV	Equations of first order and higher degree: Solvable for p, y, x and Clairaut's type				B.S. Grewal, Higher		05/03		100
10	12 Mar		10	Application of first order differential equation to simple electrical circuits				Engineering Mathem		Tutona	D	100
11	14 Mar - 19 Mar	5	٧	Unit 5: Higher Order Ordinary Differential Equations Higher order ordinary linear differential equations with constant coefficients				B.S. Grewal, Higher Engineering Mathematics		07/03		2
				Method of variation of parameters,						08/03		(
2	21 Mar - 26 Mar	5	v	Cauchy's and Legendre's homogeneous differential equations.				B.S. Grewal, Higher		09/03		Y
- 4	20 mai			Simultaneous differential equations				Engineering Mathematics		Tatomas-	TV .	1 - 1
3	28 Mar -	4	v	Equations of the type d2y/dx2=f(x) and d2y/dx2=f(y)			H	B.S. Grewal, Higher		10/03		100 am
	31 Mar			Applications of higher order differential equations to simple electrical circuits				Engineering Mathematics		19/03		
1 0	04 April - 8 April					Se	ssional- II Examina	tion		1 1-0	(A)	Y

culty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

K No		No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Virtual lab link Teaching Aid	Refrence Boo Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
3	17 Jan to			Expression for Compton shift & its interpretation, de Broglie hypothesis	Quant _ppt_01+ 02				×	18-1-22	h
3	22 Jan22			Concept of wave-particle duality, de- Broglie Hypothesis	Quant_ppt_0 2					18-1-22	
4	24 Jan to 29 Jan	4		Matter Waves, Davisson-Germer Experiment; Bohr's Quantization condition.	Quant_ppt_0 2		A testbook of Engineering			25-1-2	
	22			numericals	Quant_ppt_0 3		physics (page number 304- 394)10th Edition			26-1-2	4 a la
100			п	Wave function $\boldsymbol{\Psi}$ and normalization condition, concept of wave packets,	Quant_ppt_0		,Atextbook of Applied physics(2.1 to			29-1-2	
5	31 Jan to 5 Feb	4		Heisenberg Uncertainty Principle.	Quant_ppt_0 3		3.23) first edition		H. H.	1-2-22	,
				Schrodinger wave equation (time dependent and time independent), Application to one dimensional infinite potential well.	Quant_ppt_0 4				2-2-22 (Assigt 2-2-22 (Tutonia	2-2-22	
5	7 Feb to 12 Feb 22	3		Schrodinger wave equation (time dependent and time independent), Application to one dimensional infinite	Quant_ppt_0 4				Tursma	1-2-22	Wat
	14 Feb to 19 Feb		*		Sessiona	d I					-
				Huygen's principle, superposition of waves	Inter ppt 05						
		3	2	and amplitude splitting,	Inter _ppt_05					29-1-22	
12	1 Feb to		I	nterference in thin films,	Inter					3112	
	6Feb 22	NKS	,	Interference in Wedge shape thin film,	Inter _ppt_06		OK			11-3-2	1 (a)a
du	llty in	harge	L	Newton's rings, Anti-reflection coating.	Inter _ppt_06		A testbook of Engine HQD			12-3-2	P 1



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

	K We	ek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Virtual lab link Teaching Aid	Refrence Boo Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign				
				1	Fraunhoffer diffraction from a single slit and a circular aperture, Diffraction grating and its resolving power.	Inter _ppt_07		physics (page number 468- 505)10th Edition		12-3-2	2	7				
10	28 Feb	8 Feb to March 4 22		Fraunhoffer diffraction from a single slit and a circular aperture, Diffraction grating and its resolving power.	Inter ppt 07 Inter ppt 07		,Atextbook of Applied physics(1.1 to 1.39) first edition		14-3-							
11		+			Numericals	Inter ppt 07 Inter ppt_08		1.55) first echion		14-3-		(A)an				
	7March to 12 March		4 IV	4 IV	4 IV	4 IV	4 IV	v	numericals	Inter _ppt_08				15-3		12
	22						I	Optical fibers: Propagation by otal internal reflection, structure and classification	OP_ppt_01		9		2-3-			
12				,	Modes of propagation in fiber, Acceptance angle, Numerical aperture, Attenuation and dispersion.	OP_ppt_01				4-3-						
	4 march to 19	5		v	Acceptance angle, Numerical aperture, Attenuation and dispersion.	OP_ppt_02	*	A testbook of Engineering physics (page		5-3-	2	XVIII				

GW culty in Charge





Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.

K No	P.	Lect.	No.		PPt ID	Virtual lab link Teaching Ald	Refrence Bot Chapter no. Page no, edition. No	link for quiz or poll	Completion Date	/Tutorial Date	AC's sign
	march 22			Light sources and Detectors, Applications of optical fiber as Sensors - i) Temperature Sensor ii) Pollution / Smoke detector			number 698- 725)10th Edition Atextbook of Applied physics(5.1 to 5.31) first edition		7-3-21		
13	21 march to 26	4	IV -	iii) Liquid level sensor, Fiber optic communication system.	OP_ppt_02				7-3-2	2	(a)_
				Numericals	OP_ppt_03				7-3-2	1	
				Numericals	OP_ppt_03				7-3-2	2 2_	17
14				Devices: Cathode Ray Tube, Cathode Ray Oscilloscope and its applications,	Devi_ppt_01		A testbook of		9-222		
	28 March to 31 March	3		Function & working of each block, Bainbridge mass spectrograph.	Devi_ppt_02		Engineering physics (page number 70- 104)10th Edition Atextbook of		21-2-2-2	25-2 22 Tuta	2-22 / 20
	(A)	NS.					Annued I				-2-22

GNP aculty in Charge

ge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Englineering for Women Hingna, Nagpur-441110.



Mahar Narve Stree Shikshan Sam ha's CUMMINS COLLEGE OF ENGINEERING OR WOMEN



Lab Practicals Plan

Classes separated on 21st Feb. Formed new Section

	OEW/ Department of All	lied Scie T	T		Applied Ph	vsics			Departm	ent: AS	section:
Dr	.S.Snastri				Applica 11	BatchB 1	101		Batch B 2		
Pi	Name of experiment	Lab ID	Possible variation s used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
1	comparative study of cubic crystal structure			https://vlab.amrita.edu/?sub=1&brch= 282∼=370&cnt=1	12-01-2022	12-01-22	online	12-01-2022	12-01-22		>
2	Newtons rings			https://vlab.amrita.edu/index.php?su b=1&brch=189∼=1520&cnt=1	19-01-2022	19-01-2	online	19-01-2022	19-1-22		(a)0-
3	Determination of angle of prism			https://vlab.amrita.edu/index.php?su b=1&brch=281∼=1508&cnt=1	02-02-2022	2-2-22	onlike	02-02-2022			
4	RI of prism			https://vlab.amrita.edu/index.php?su b=1&brch=281∼=1513&cnt=1	09-02-2022	9-2=2	onlihe	09-02-2022	9-2-22		
5	Plane diffraction grating			https://vlab.amrita.edu/index.php?su b=1&brch=281∼=334&cnt=1	02-03-2022	2-3-21	offline	02-03-2022	2-3-22		02
6	NA of optical fiber			https://vlab.amrita.edu/index.php?su b=1&brch=189∼=343&cnt=1	16-03-2022	11-3-n	online	16-03-2022	16-3-22		2
7	Detrmination of AC and DC voltage using CRO			https://www.svce.ac.in/acdcsignal/si mulation.html	23-03-2022	23-3-2	coffline.	23-03-2022	23-3-20)

Sub. Teacher

Ac



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS / 21-22

Date: 17/ 1 / 2022

	Department of Allied Science			
Name:Dr Shubhangi Bompilwar	Sub:Applied Physics	Sec: C	Year : 2021-22	Sem:-1

LESSON & TEACHING PLAN for Applied Physics

Facu	ilty Name:Dr	comparison of classical and quantum mechanics				Sub:Applied Pl	hysics	Sec: C	Ye	ar : 2021-22	Sem:-1
WEE K No.	Week No. Of Lect. No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/Tutoria I Date	AC's sign		
				comparison of classical and quantum mechanics	Quant _ppt_01+ 02				17		
	17 Jan to			Plancks hypothesis, Einsteins theory of photons, Concept of wave-particle duality	Digital slet with one note				HAT OT		ala-
3	22 Jan22	4		Compton effect, Expression for Compton shift & its interpretation,de Broglie hypothesis	Digital slet with one note		A testbook of		22 5AN.		
				, de-Broglie Hypothesis	Digital slet with one		Engineering physics (page number 368-				
	24 Jan to	4		Matter Waves, Davisson-Germer Experiment; Bohr's Quantization condition.	Digital slet with one note		405)10th Edition ,Atextbook of Applied physics(1.1		24 JA		
•	29 Jan 22	*	п	numericals	Digital slet with one		to 1.39) first edition		to 29 JAN		Da
				Wave function Ψ and normalization condition, concept of wave packets,	Digital slet with one note				31-JAH	90 JAH SOZI	
				Heisenberg Uncertainty Principle.	Digital slet with one				S FEI	3	1) Que
5	31 Jan to 5 Feb	4		Numericals	Digital slet with one						D

Faculty in Charge

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

	K W	ek	No. Of Lect.	No.		PPt ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - III Chapter no. Page no,edition. No	nk for quiz or c	n Date Assign	enment/Tutoria AC's sign
					Schrodinger wave equation (time dependent and time independent), Application to one dimensional infinite potential well.	Digital slet with one note				7 Pb -10 22 Peb	1
6	Feb 2	2	3		Electron Optics , Bethe's law, Lecetrostatic lens, Numericals	Digital slet with one note				P	Moz
7	14 Feb 19 Fe				Ses	sional I (15N	/ar-20Mar)				"
8					Electrostatic lens, CRT	BB	7			21/Peb	
9	21 Feb 26Feb		5		CRO Block diagram and functions Components of CRO and its working					+0	
					Bainbridge Mass spectroscope		Black			26 Feb	Q)or
-		+	_		Numericals		Board	Engineering			
	28 Feb to		4	IV	Optical fibers: Propagation by total internal reflection, structure and classification	BB		physics (page number 468- 505)10th Edition		28-Feb	
+	March 22				Attenuation, loss mechanism, Applications of OF			Atextbook of Applied physics(1.1 to 1.39) first edition		s march) War
1		1	1		Numericals						
	March to 2 March 22	4			Wave optics, interfereance in Wedge shaped thin filmApplications of wedge shaped thin film	BB			5 march	7 march	https://docs.google.com/for ms/d/1w9pB_8075N9MLkn8v R84GaH2m3092zvau6zH06gq
ult	ty in c	harę	ge 1		, AR coating, newtons ring expt and its applications					12 month	eTU/edit
								→ HOD			1



Dr. Milind Khanapurkar Principal Maharshi Karve Stres Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Virtual lab link Teaching Aid	Chanter no. Page 1	link for quiz or poll	Completio n Date	Assignment/Tutoria	AC's sign
12				Numericals	BB		A testbook of Engineering		14 mod	10 march 2022	
	14 march			Diffraction, its types,			physics (page number 698- 725)10th Edition	age 98- ition to			
	to 19 narch 22	5	IV	Diffraction grating, resolving power	βВ		,Atextbook of Applied physics(5.1 to 5.31) first edition		22 C		
				numericals Revision							

San Palwol
Sub. Teacher

Ac



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Worken Hingna, Nagpur-441110.

CCOEW/ Department of Allied Science

b=1&brch=281&sim=334&cnt=1 LAB

https://vlab.amrita.edu/index.php?su

https://www.svce.ac.in/acdcsignal/si

b=1&brch=189&sim=343&cnt=1

2021-22

Lap Practicals Plan

Dr	.S.Bompilwar				Applied Pl	nysics			Departr AS	nent:	Section:A
-		1				BatchA 1		1	Batch A2		
Pi	Name of experiment	Lab ID	Possible variations used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
pri	print				print	fill	fill	print	fill	fill	fill
1	comparative study of cubic crystal structure			https://vlab.amrita.edu/?sub=1&brch =282∼=370&cnt=1	13-01-2022	13/1/22		13-01-2022	13)1/22		9
2	Newtons rings		different source of lights	https://vlab.amrita.edu/index.php?su b=1&brch=189∼=1520&cnt=1	20-01-2022	20/1/22	V	20-01-2022	20/1/22		SO)0/
3	Determination of angle of prism		, ters	https://vlab.amrita.edu/index.php?su b=1&brch=281∼=1508&cnt=1	03-02-2022	27/1/22	11-	03-02-2022	27/1/22	4	7
4	RI of prism			https://vlab.amrita.edu/index.php?su b=1&brch=281∼=1513&cnt=1	10-02-022	27/1/22	-	10-02-2022	27/1/22	_ /	5
5	Plane diffraction grating			https://vlab.amgita.edu/index.php?su	03 03 3033	2/2/22		02 02 2022	Flolos	-	1

03-03-2022 3 2 22

17-03-2022 23 22

24-03-2022 21 2 22

Sub. Teacher

5 Plane diffraction grating

Detrmination of AC and

DC voltage using CRO

NA of optical fiber

Ac

5/2/22



Light

voca.

source

Vasiation mulation.html

Dr. Milind Khanapurkar

03-03-2022

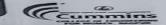
17-03-2022 2 3 22

24-03-2022 23 2 22

Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Larve Stree Shikshan Samsthus CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/Allied Science/ 21-22

LESSON & TEACHING PLAN for BCME

Date: 28/12/2021

						Departmen	t of Allied Scien	ice				
Fac	ulty Na	me: Di	. Ash	a H. Gedam			Sub: EE	Section-A & B		Year: 2	2021-22	Sem:-1
EE K No	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
8				sources and types of energy, Units of	AC_AS_ppt		PPT.			4)1)22	1)
				energy, Thermal Basics of energy - fuels, thermal energy contents of fuel, heat capacity, sensible and latent				Energy and environment		5/1/22		
	03 Jan - 08 Jan	4	1	heat, evaporation, condensation, steam, moist air and humidity & heat				Dr.AV Bharati pg.1-42		7/1/22	-	7
				transfer. • Classification of fuels,				pg.1-42		7/1122		War
1				Calorific Value (HCV & LCV). Determination of Calorific value by Bomb and Boy's Calorimeter.	AC_AS_ppt _02					10/1/22		
	0 Jan -	1 1		 Solid Fuels:- Significance of Proximate and Ultimate Analysis of coal, 				Energy and environment		11/1/22	11/1/55	1
1:	5 Jan			Numerical based on Dulong's formula				Dr.AV Bharati pg.1-42		13/1/22		
				•						15/1/22		Way
CL	ıltvii	n Ch	10	Numerical on Goutal's Formula for Gross Calorific Value based on Chimate Analysis	AC_AS_ppt _03			ног	D	15/1/22		1



Dr. Milind Khanapurkar

Principal

Principal

Maharshi Karve Stree Shikshan Sanetha's

Cummins College of Engineering for Women

Hingna, Nagpur-441110.

EI K	(N	Week	No. Of Lect	No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Chapter no. li Page no,edition. No	ink for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
	1.7	Inc			Numerical on Calorific Value determination.				Energy and environment		18/1/22	6	
3	22	Jan - Jan	4		Numerical on GCV & NCV by using relation formula (convert answer in joules or one of the CV				Dr.AV Bharati pg.1-42		1011/2	2	4
					given in joules)						20/1/2	2	1 a)-
					of crude oil, Catalytic cracking and	AC_AS_ppt 04					21/1/2	2	
	24.	Los			its advantages • Knocking in internal combustion				Energy and environment		23/1/2	2	
		petrol and diesel engine, Octane and Cetane number,				Dr. AV Bharati pg. 43-96		29)1/2	2	1			
											31/1/2	22 31/1/2	2
			Knocking and its relationship with structure of fuel, Doping agents,	AC_AS_ppt _05					1/2/2	2			
	31 Jan - 4		 Power alcohol, Gasohol, Diesehol. Aviation fuel, Bio-diesel. Gaseous Fuel:-CNG, H2 as 				Energy and environment		2/2/2	12	(1)		
1	05 F	Feb			specialised fuel Combustion Calculations				Dr.AV Bharat pg.43-96	ti	3] 2]	22	
											572	122	1
				0	Bio-energy, Photolysis of water- Chemical Conversion of Solar Energy.	AC_AS_ppt _06					7/2/	22	
07 Feb - 12 Feb -		Nuclear fuels: Numerical on Binding Energy & Average Binding				Energy and environment		872/	22	a			
		` I	Energy per Nucleon Fuel cells- working, advantages and	•			Dr.AV Bhar pg.164-202	ati ,	912	122 9/2	22		
				f	disadvantages of alkaline, methanol fuel cells						12/	2/22	
á	uli	ty ir	n Cl	narg	se Mar				Н	Dig.			





EE K	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid		link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
	21-26 Mar	4	5	 Introduction of Advance materials, properties and applications:- composites, liquid Crystal polymers, conducting polymers, insulating materials, adhesives, biodegradable polymers 	AC_AS_ppt			Energy and environment Dr.AV Bharati pg.212-242		16/3/22		
15 1	28-31 Mar	4	5	Nanomaterials in energy- Photochemical devices like lithium ion batteries, Nanomaterials for Energy Storage, nanomaterials in solar cells.	AC_AS_ppt			Energy and environment Dr.AV Bharat pg.212-242	i	19/3/22		
12	1 Apr- 9						Sessional	п				

Down



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Lab Practicals Plan

	OEW/ Department of Allied science Asha H. Gedam	T .							Section: B
Jr.	Asna n. Gedam			Departr	nent of Allied s	cience			
Pi	Name of experiment	Lab IC		Possible variations used		Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
μп	print					print	fill	fill	fill
1	Determination of Flash Point of the given sample by Abels/ Pensky Martens close cup apparatus	BSE13TEE	P01	change in	oil s-	01-11-2022	11/22	,	W==
2	Determination of Neutralisation number (Acid value) of oil.	BSE13TEE	P02	charge in	warmality	18/1/22	18/1/22	1	Qua-
3	Determination of Viscosity by Redwood Viscometer and specific gravity of Biodiesel at different temperatures.	BSE13TEE	P03	charge 9	Reduvad	25/1/22	25/1/22	1	War
4	Determination of COD of water sample.	BSE13TEE	P04	natural w	ele samples	02-08-2022	2/8/22	1	a or
5	Proximate analysis of coal - Determination of % of Moisture and % of Volatile Matter in coal sample	BSE13TEE	P05	Varieti	oay es	15/2/22	15/2/22	1	War
6	Proximate analysis of coal - Determination of % of ash in coal sample	BSE13TEE	P06	oin se	vanete	22/2/22	22/2/22),	Way

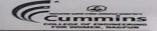


Kinlind

Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Kaye Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Acusen with a difference



CCOEW/AS / 21-22

Date: 1/ 1 / 2022

-						1	Dep	artment	of Allied Scien	ce				
Fa	culty Na	me: I	Prof. 1	Rast	hmi Deshpande				Sub:Commun	nication Skills	Sec: A,B	Year:	2021-22	Sem:- I
W EI No	Week	No O Lec	f U	nit o.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's
				1	Introduction to Communication, Importance of Communication	BESI7TCS W01L01	CS_ppt_ 01			Communication Skills by Dr.		4/1		n
1	3Jan- 7Jan	3	1.	A	Process of Communication,	BESI7TCS W01L02	CS_ppt_ 02			L.Bisen Chap1, self prepared notes		6/1		> 1
					Types of communication- Verbal and Non Verbal	BESI7TCS W01L03	CS_ppt_ 02			notes		711		1000
				01		BESI7TCS W02L04	CS_ppt_ 04			Communication Skills by Dr.		11/1		6
2	10Jan- 13Jan	3	IB			BESI7TCS W02L05	CS_ppt_ 05			L.Bisen Chap1, self prepared notes				\
1				В		BESI7TCS W02L06	CS_ppt_ 06					15/1		1
	7Jan-	3		asie		BESI7TCS W02L07	CS_ppt_ 07					3.11		
1			IV A	asic	Grammar: Tenses and its typ	BESI7TCS W02L08	CS_ppt_ 07			Communication		21/1		10
2. 2.	Jan- Ity in			asic	Grammar: Tenses and its typ	BESI7TCS W02L09	CS_ppt_ 07			Skills by Dr. L.Bisen Chap8, self prepared notes		13-71		1
	XID		II.							HOD				



Kridina Dr. Milind Khanapurkar

Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.

W El N	K We	ek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
4	24Ja 29Ja		3		asic Grammar: Tenses and its typ	BESITTCS W02L09	CS_ppt_ 07			self prepared notes	2			7
	2931				Types of Sentences Transformati	BESI7TCS W02L10	CS_ppt_ 8				3 29/1			,
						BESITTCS W02L11	CS_ppt_ 8				2			
5	31Ja	n-	3			BESITTCS W02L12	CS_ppt_ 8			Communication	(5-12-			Mu
	5Fe	ь	1	IVВ		BESITTCS W02L13	CS_ppt_ 8			Skills by Dr. L.Bisen Chap8,	13/			
	4.	7Feb- 11Feb 3			Reported Speech	W02L14	CS_ppt_ 9			self prepared notes	2			7
6		7Feb-	3		Reported Speech	W02L14	CS_ppt_ 9				C11/2			5
	-		ab			W02L15	CS_ppt_ 9				1			Delection
_	1416	0-191	eb					Session	nal Exam(1	4Feb-19Feb)				-(
7		14Feb-19Feb			Listening Skills	W03L16	CS_ppt_ 10				7			h
	21Feb 25Feb		3 1	I A	Importance of Listening	BESITTCS W03L17	10			Communication Skills by Dr.	921/2			V
	25760				Types of Listening	W03L18	CS_ppt_ 10		4:	L.Bisen Chap2, self prepared	1			1
(8)	7				istening Barriers and methods	BESI7TCS				notes	-01			1
8		1			to overcome them Effective Speaking Skills	W03L19 BESI7TCS W03L20	CS_ppt_				23/2	-		
	28Feb- 5Mar			C	Components of Public Speaking	BESITTCS W03L21	CS_ppt_				2/3			101
1	dilinin c	١.,		omponents of Public Speaking	BESI7TCS W03L22	11			Communication Skills by Dr.	9 5/3			10	
9					vercoming stage fear in public speaking	BESI7TCS W03L23	CS_ppt_			L.Bisen Chap3, self prepared	4. 7/2			1 -0
adı		n c	har	ge	Group Discussion-Process and techniques	BESI7TCS W03L24	CS_ppt_			notes HOD	410			-



Dr. Millind Khanapurkar Principal Maharshi Karvo Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

VE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
				Group Discussion-Process and techniques		CS_ppt_ 12				7/3			
10				Reading Skills, Importance of Reading		CS_ppt_ 13			Communication	15/3			
	14Mar- 19Mar	3	ша	Sources of Reading, Skimming, Scanning,	BESI7TCS W03L27	CS_ppt_ 13			Skills by Dr. L.Bisen Chap4,	15/3			1
				Sources of Reading, Skimming, Scanning,	BESI7TCS W03L28	CS_ppt_ 13			self prepared notes	14/9			Om
1				Comprehending passage		CS_ppt_				2			1
Ì	21Mar- 25Mar	3	пв	Comprehending passage		CS_ppt_ 14				16/8			
			300	Comprehending passage	BESI7TCS W03L31	CS_ppt_ 14			Communication Skills by Dr.	1.7.7			1/-
2				Process and Techniques of Composition	BESI7TCS W03L32	CS_ppt_ 15			L.Bisen Chap7, self prepared	9			100
	8Mar-	3	шв	-Précis, Paragraph, Essay	BESI7TCS W03L33	CS_ppt_ 15			notes	(1913			/ Won
				-Précis, Paragraph, Essay	BESI7TCS W03L34	CS_ppt_ 15				1			

Marie

Faculty in Charge

HOD

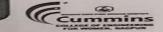


Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Lab Practicals Plan

CCOEW/ Department of Allied Science

2021-22

R.	Deshpande				Comn	nunicatio	n Skills		Departmen	nt: AS	Section:
						Batch A	į.		Batch A 2		
Pi	Name of experiment	Lab ID	Possible variations used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
1	Barrires to Communication	BESI7PCS7/1/ 22P01			7/1/2022	7/1		7/1/2022	7/1		a
2	Non Westal Listening Communication kills	BESI7PCS21/1 /22P02		Verity Vlahs ac in listen	21/1/22	21/1		21/1/22	21/1		12
3	Speaking Skills	BESI7PCS24/1 /22P03			29/1/22	28/1		28/1/22	28/1		10
4	Group Discussion	BESI7PCSCS4/ 2/22P04			4/2/2022	4/2		4/2/2022	412		1
5	Interview Techniques	BSE1CS4/3/22 PO5			4/3/2022	3/3		4/3/2022	3/3		1
5	Reading Skills	BESI7PCSCS18 /3/22P06			18/3/2022		ken, ceur	18/3/2022	last 1	en course	eaces [
	rresentation Skills	BESI7PCS1CS2 5/3/22P07			25/3/22	10/3	L. Const.	25/3/22	1		1

Sub. Teacher

Ac

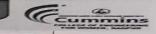


Dr. Milind Khanapurkar

Principal
Maharshi Karve Stree Shikshan Sanstha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.



Maharshi Karvo Stroo Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Lab Practicals Plan

R.	Deshpande				Comm	nunication	Skills		Departme	ent: AS	Section:B
						BatchB 1			Batch B 2		
Pí	Communication	Lab ID	Possible variations used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
1	Barrires to Communication	BESI7PCSCS10/1 /22P01			10/1/2022	10/1	-	10/1/2022	10/1		- 2
2	Communication Skills	BESI7PCSCS17/1 /22P02	Panage 1 Panage 3	ve-11tg. viabs	17/1/22	17/1		17/1/22	17/1		8
	Speaking Skills	BESI7PCSCS24/1 /22P03			24/1/22	24/1		24/1/22	24/1		17
	Group Discussion	BESI7PCSCS7/2/ 22P04			7/2/2022	23/2		7/2/2022	21/2		Lar
	Interview Techniques	BESI7PCSCS28/2 /22P05			28/8/22	2/3		28/8/22	2812		1 (And
1	Reading Skills	BESI7PCSCS7/3/ 22P06	#1		7/3/2022	9		7/3/2022		Mot tak	en becer
F		BESI7PCSCS28/3 /22P07			28/3/22	15/3		28/3/22	16/3	Cambre (Despreparie

Sub. Teacher





Dr. Milind Khanapurkar

Principal
Maharshi Karve Stree Shikshan Sanstha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.

Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2020-21

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in



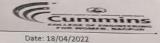






Maharshi Karvo Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS / 20-21

LESSON & TEACHING PLAN for Applied Maths-II

	Name: Pro	T, FTAVIN	Gorantiv	var		Sub: Applied N	Naths II	Allied Science	Year: 2	2021-22	Sem:- II
VEEK No.	Week	No. Of Lect.	Unit No	Exect Topic Name & Subtopic	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	link for quiz	Completion Date	Assignment /Tutorial Date	AC's sign
	18 April -			Unit 5: Finite Differences: operator E & Delta		AIG				Date	
L	23 April	5	v	Factorial polynomial	PDF Finite		Higher engineering				
	25 April			Lagrange's interpolation formula for unequal intervals of arguments	Difference		mathematics B. S. Grewal 946-999				/
N				Numerical Integration: Trapezoidal rule					21-04-22		
3	25 April -	5	v	Simpson's 1/3rd rule	PDF Finite		Higher engineering				
	30 April			Simpson's 3/8th rule	Difference		mathematics B. S.				
1				Difference equation with constant coefficient	- Difference		Grewal 946-999				1
	02 May	5		Unit4: Statistics: Fitting of a curve by method of least square: Straight line y = a+bx,			Higher engineering		28-042	28-04-23	100
	7 May	-		Second degree parabola y = a + bx + cx2	PDF Statistics		mathematics B. S.				(60.
1				curves of the type y = aebx , y = abx and y = axb			Grewal 845-856				
1			IV L	Rank correlation					12-05-22		1
	9 May -	5	- 0	Coefficient of correlation and Lines of regression,	PDF Statistics		Higher engineering		Real Property of the Parket		
	14 May		l fo	Init 4: Vector Calculus: Vector triple product, Product of our vectors, Scalar point function, Vector point function,	PDF Integral calculus-I		mathematics B. S. Grewal 845-856				
1				ector differentiation, Gradient,			-center Variable (44)	1	18-05-20	24	
1000	May -	5		ivergence and Curl,	PDF Integral		Higher engineering				1/1
-	I May		D	rectional derivatives,	calculus-I		mathematics B. S.				V (A)
	May -	5	Sc	lenoidal and Irrotational motions,	-		Grewal 302-314		23.05		
923	May			ctor Integration: Line integrals and Work done	PDF Integral		mathematics B. S.				
	May - Charge	C. D		o and a solite	calculus-I Sessional		Grewal 315-337		25-05	- 25.5	22



Dr. Milind Khanapurkar

Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.		Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment / Tutorial Date	AC's sign
8	06 June - 11 June	5		Unit 1: Integral Calculus-I: Evaluation of definite and improper Integrals: Gamma functions	PDF Integral		Higher engineering mathematics B. S.				1
				Beta functionand their properties.	calculus-I		Grewal 315-337		27-65.22		
9	13 June -			Differentiation of definite integral,	PDF Vector		Higher engineering		~T 45.4.		1
3	18 June	4	III	Mean value, Mean square value and Root mean square value,	calculus		mathematics B. S. Grewal		13.06.22		7
10	20June -			Tracing of curves (Cartesian), Applications of definite integrals to find length of curve	PDF Vector		Higher engineering				(Mm
10	25 June	5		area, volume	calculus		mathematics B. S.				
				surface area of solids of revolution (Cartesian, Polar and Parametric curves)	cuicuius		Grewal		16.06.22	16-06-22	4
11	27 June - 02 July	5		Unit 2: Multivariable Calculus (Integration): Multiple Integration: Double integrals (Cartesian and Polar),	PDF Multivariable		Higher engineering mathematics B. S.				1
	OZJUN			Change of order of integration in double integrals,	Calculus		Grewal 274-219		2306.12		-
12	04 July -	5	11	Change of variables (Cartesian to Polar)					2306.75		1
	09 July	3		Elementary triple integrals.	PDF		Higher engineering				1 11
12	11 July -	5	п	Applications: Area, Mass, Volume	Multivariable Calculus		mathematics B. S.				War
	18 July	4.		Center of Gravity (constant and variable densities)	Calculus		Grewal 274-219		04.07-22		1
12		5			So	essional- II Exa	mination	1	10.701		

Olorz Ac

9

Ilty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Worsen Hingna, Nagpur-441110.



Maharshi Kajio Stree Shijehan Sams jaa's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Date: 18/04/2022

OEW/AS / 20-21

LESSON & TEACHING PLAN for Applied Maths-II

				Depar	tment of Allied S	icience						
ulty	Name: Prof	Sne Pravin	ba utt	arna/		Sub: Applied N	Naths II	Allied S	Science	, Year: 2	1026-22	Sem:- II
EEK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link fo	3340	Completion Date	Assignment / Tutorial Date	AC's sign
				Unit 5: Finite Differences perator E & Delta				181	04	18/04	1)
1	18 April -	5	v	Factorial polynomial	PDF Finite		Higher engineering mathematics B. S.	1.1				
	23 April			Lagrange's interpolation formula for unequal intervals of arguments	Difference		Grewal 946-999	230	,4	23/04		>
				Numerical Integration: Trapezoidal rule				25/1	4	25/04		1
,	25 April -	-		Simpson's 1/3rd rule	PDF Finite		Higher engineering	26/0		96/04		No
2	30 April	5	V	Simpson's 3/8th rule	Difference		mathematics B. S. Grewal 946-999	29/0	- 10 A - 10 A - 10 A	Ag 61	Tutosal-	1
				Difference equation with constant coefficient				B. S. 2 9/04 Fig				
	02 May			Unit4: Statistics: Fitting of a curve by method of least square: Straight line y = a+bx,			Higher engineering	02	24	02/09	1	
3	7 May	5	IV	Second degree parabola y = a + bx + cx2	PDF Statistics		mathematics B. S. Grewal 845-856			04/04		
				curves of the type y = aebx , y = abx and y = axb			Glewai 643-830					
			IV	Rank correlation	PDF Statistics			, to		10/05		
4	9 May -	5		Coefficient of correlation and Lines of regression,	PDF Statistics		Higher engineering mathematics B. S.			+		
	14 May			Module 1: Integral Calculus-I: Evaluation of definite and improper Integrals: Gamma functions	PDF Integral calculus-I		Grewal 845- 856			14/25		
				Beta functionand their properties.						15/05		
	15 May -	5	1	Differentiation of definite integral,	PDF Integral		Higher engineering mathematics B. S.			17/05		
	21 May			Mean value, Mean square value and Root mean square value,	calculus-I		Grewal 302-314			21/05		
Ity	in Char	ge		Tracing of curves (Cartesian),	PDF Integral	Н	OD Higher engineering			23/05		



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

EK o.	Week	No. Of Lect.	Unit No.		Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No mathematics B. S.	link for quiz or poll	Completion	Assignment / Tutorial Date	AC's sign
	28 May	5		Applications of definite integrals to find length of curve, and	calculus-I		Grewal 315-337		Tutona	一世	
	30 May -			area, volume	PDF Integral		Higher engineering mathematics B. S.		36/05		
	04 June	5	1	surface area of solids of revolution (Cartesian, Polar and Parametric curves)	calculus-I		Grewal 315-337		2000	3	
	06 June -	4	DI	Module 4: Vector Calculus: Vector triple product, Product of four vectors, Scalar point function, Vector point function,	PDF Vector		Higher engineering mathematics B. S.		30/06		
	11 June	4	111	Vector differentiation, Gradient, Divergence and Curl,	calculus		Grewal		:04/01		
				Directional derivatives,			Higher engineering				
	13 June -	5	III	Solenoidal and Irrotational motions,	PDF Vector calculus		mathematics B. S.		03/06		
	18 June			Vector Integration: Line integrals and Work done	Calculus		Grewal		13/06		
	20June -	5	u	Module 3: Multivariable Calculus (Integration): Multiple Integration: Double integrals (Cartesian and Polar),	PDF Multivariable		Higher engineering mathematics B. S.		17/06		
	25 June			Change of order of integration in double integrals,	Calculus		Grewal 274-219		22/06		
1	27 June -	5		Change of variables (Cartesian to Polar)					27/06		
	02 July	5	H	Elementary triple integrals.	PDF		Higher engineering		30/00		
,	04 July -	5		Applications: Area, Mass, Volume	Multivariable Calculus		mathematics B. S. Grewal 274-219		03/07		
	09 July	3	И	Center of Gravity (constant and variable densities)			0.000		5 07		
2	11 July - 18 July	5				Sessional Exam	mination	710			

Ac

Ity in Charge

HOD

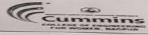


Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.



Maharshi Karvo Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



COEW/AS / 20-21

LESSON & TEACHING PLAN for Applied Maths-II

Date: 18/04/2022

acul	hy Name: Pro	f Dunista	evantos super		artment of Allied	cience					
Jean	ty Name: Pro	, Pravin	Gorantiv	var		Sub: Applied N	Maths II	Allied Science	Year: 2	2021-22	Sem:- II
No.	Week	No. Of Lect.	Unit No	Exect topic Name & Subtopic	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	link for quiz	Completion Date	Assignment / Tutorial Date	AC's sig
	18 April -			Unit 5: Finite Differences: operator E & Delta		All				Date	
1	23 April	5	v	Factorial polynomial	PDF Finite		Higher engineering	-			
	25 April		^	Lagrange's interpolation formula for unequal intervals of arguments	Difference		mathematics B. S. Grewal 946-999				/
				Numerical Integration: Trapezoidal rule					21-04-22		
	25 April -	5	v	Simpson's 1/3rd rule	PDF Finite		Higher engineering				
	30 April			Simpson's 3/8th rule	Difference		mathematics B. S.				
				Difference equation with constant coefficient			Grewal 946-999				1
	02 May	5		Unit4: Statistics: Fitting of a curve by method of least square: Straight line y = a+bx,			Higher engineering		28-042	0422 28-042	101
	7 May	-		Second degree parabola y = a + bx + cx2	PDF Statistics		mathematics B. S.				(60
-				curves of the type y = aebx , y = abx and y = axb	1		Grewal 845-856				
1			IV	Rank correlation					12.05.22		
1	9 May -	5	- 0	Coefficient of correlation and Lines of regression,	PDF Statistics		Higher engineering				
1	14 May		1 1	Unit 4: Vector Calculus: Vector triple product, Product of our vectors, Scalar point function, Vector point function,	PDF Integral		mathematics B. S. Grewal 845-856				
1,	L5 May -		V	ector differentiation, Gradient,			- Service VI V dominion Service	4	18-05-20	1	
	21 May	5		ivergence and Curl,	PDF Integral		Higher engineering				1/0
			D	irectional derivatives,	calculus-I		mathematics B. S.				10
	3 May -	5	Sc	elenoidal and Irrotational motions,			Grewal 302-314		23.05	1/	
2	8 May		Ve	ector Integration: Line integrals and Work done	PDF Integral		mathematics B. S.		2.5		
	May - Charge	1		5 - No and Work done	calculus-1		mathematics B. S. Grewal 315-337		25-05	- 25.5	2 1



Dr. Milind Khanapurkar

Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.		Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment / Tutorial Date	AC's sign
8	06 June - 11 June	5		Unit 1: Integral Calculus-I: Evaluation of definite and improper Integrals: Gamma functions	PDF Integral		Higher engineering mathematics B. S.				1
				Beta functionand their properties.	calculus-I		Grewal 315-337		27-65.22		
9	13 June -			Differentiation of definite integral,	PDF Vector		Higher engineering		XT 45.4.		1
9	18 June	4	III	Mean value, Mean square value and Root mean square value,	calculus		mathematics B. S. Grewal		13.06.22		7
10	20June -	5		Tracing of curves (Cartesian), Applications of definite integrals to find length of curve area, volume	PDF Vector		Higher engineering				(Mm
10	25 June	3		surface area of solids of revolution (Cartesian, Polar and Parametric curves)	calculus		mathematics B. S. Grewal		16.06.22	16-06-22	
11	27 June - 02 July	5		Unit 2: Multivariable Calculus (Integration): Multiple Integration: Double integrals (Cartesian and Polar),	PDF Multivariable		Higher engineering mathematics B. S.				1
	OZJUN			Change of order of integration in double integrals,	Calculus		Grewal 274-219		2306.12		
12	04 July -	5	п	Change of variables (Cartesian to Polar)					25002		1
	09 July	,		Elementary triple integrals,	PDF		Higher engineering				1 A1
12	11 July -	5	11	Applications: Area, Mass, Volume	Multivariable Calculus		mathematics B. S.				War
**	18 July	-		Center of Gravity (constant and variable densities)	Calculus		Grewal 274-219		04.07-22		1
12		5			So	essional- II Exa	mination		10.701		

Olor Ac

(2)

Ilty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Worsen Hingna, Nagpur-441110.



Maharshi Karje Stree Shikshan Sams ha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Date: 18/04/2022

OEW/AS / 20-21

LESSON & TEACHING PLAN for Applied Maths-II

				Depar	tment of Allied S	Science			0.		
ulty	Name: Prof.	Snel Pravin	ba utt	arna/		Sub: Applied N	Naths II	Allied Science	Year: 7	2020-22	Sem:- II
EEK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment / Tutorial Date	AC's sign
				Unit 5: Finite Differences perator E & Delta			10.1	18/04	18/04		1
1	18 April -	5	v	Factorial polynomial	PDF Finite		Higher engineering mathematics B. S.	. /			
	23 April			Lagrange's interpolation formula for unequal intervals of arguments	Difference		Grewal 946-999	23/04	23/04		>
				Numerical Integration: Trapezoidal rule				25/04	25/04		
	25 April -	22		Simpson's 1/3rd rule	PDF Finite		Higher engineering	26/04	26/04		No.
2	30 April	5	V	Simpson's 3/8th rule	Difference		mathematics B. S. Grewal 946-999	29/04	Ag 61	Tutosal.	T
				Difference equation with constant coefficient						0 4 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	02 May			Unit4: Statistics: Fitting of a curve by method of least square: Straight line y = a+bx,			Higher engineering	02/04	02/09	1	
3	7 May	5	IV	Second degree parabola y = a + bx + cx2	PDF Statistics		mathematics B. S. Grewal 845-856		04/04		
				curves of the type y = aebx , y = abx and y = axb			Glewai 643-830				
			IV	Rank correlation	PDF Statistics		101-1	,to	10/05		
4	9 May -	5		Coefficient of correlation and Lines of regression,	PDF Statistics		Higher engineering mathematics B. S.				
Ш	14 May		0000	Module 1: Integral Calculus-I: Evaluation of definite and improper Integrals: Gamma functions	PDF Integral calculus-I		Grewal 845-856		14/25		
				Beta functionand their properties.					15/05		
	15 May -	5	1	Differentiation of definite integral,	PDF Integral		Higher engineering mathematics B. S.		17/05		
	21 May			Mean value, Mean square value and Root mean square value,	calculus-I		Grewal 302-314		21/05		
lty	in Char	ge		Tracing of curves (Cartesian),	PDF Integral	Н	OD Higher engineering		23/05		



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hinga, Nagpur-441110.

EK o.	Week	No. Of Lect.	Unit No.		Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No mathematics B. S.	link for quiz or poll	Completion	Assignment / Tutorial Date	AC's sign
	28 May	5		Applications of definite integrals to find length of curve, and	calculus-I		Grewal 315-337		Tutona	一世	
	30 May -			area, volume	PDF Integral		Higher engineering mathematics B. S.		36/05		
	04 June	5	1	surface area of solids of revolution (Cartesian, Polar and Parametric curves)	calculus-I		Grewal 315-337		2000	3	
	06 June -	4	DI	Module 4: Vector Calculus: Vector triple product, Product of four vectors, Scalar point function, Vector point function,	PDF Vector		Higher engineering mathematics B. S.		30/06		
	11 June	4	111	Vector differentiation, Gradient, Divergence and Curl,	calculus		Grewal		:04/01		
				Directional derivatives,			Higher engineering				
	13 June -	5	III	Solenoidal and Irrotational motions,	PDF Vector calculus		mathematics B. S.		03/06		
	18 June			Vector Integration: Line integrals and Work done	Calculus		Grewal		13/06		
	20June -	5	u	Module 3: Multivariable Calculus (Integration): Multiple Integration: Double integrals (Cartesian and Polar),	PDF Multivariable		Higher engineering mathematics B. S.		17/06		
	25 June			Change of order of integration in double integrals,	Calculus		Grewal 274-219		22/06		
1	27 June -	5		Change of variables (Cartesian to Polar)					27/06		
	02 July	5	H	Elementary triple integrals.	PDF		Higher engineering		30/00		
,	04 July -	5		Applications: Area, Mass, Volume	Multivariable Calculus		mathematics B. S. Grewal 274-219		03/07		
	09 July	3	И	Center of Gravity (constant and variable densities)			0.000		5 07		
2	11 July - 18 July	5				Sessional Exam	mination	710			

Ac

Ity in Charge

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.



Mahar hi Karve Stree Shikshan Smstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS / 21-22

Date: 1/ 2 / 2021

LESSON & TEACHING PLAN for Advanced engineering Materials

					Depar	tment of Allied Se	ience		
Faculty	Name:Dr Sa	anjivani sh	astri			Sub:Applied P	hysics	Sec: A,B	Year:
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date
1	18 April to 23 April			Basic idea of free electron theory of metals, expression of conductivity of a metal. Formation of energy bands in Solids, Fermi energy and Fermi level.	Semi				18-4-22 20-4-22
		3	1	Classification of solids on the basis of energy band diagram: Conductors, Semiconductors and Insulators, concept of Fermi energy.	Semi		A textbook of Engineering Physics by		
				Numericals	Semi _ppt_03		Avdhanulu (Edition 2009)Page number (506 to 563,Advvanced	Assign	27-4-22 nuent 28-
25	April to			Types of Semiconductor diodes, P N junction Diode: Characteristics of P-N junction Diode,	Semi _ppt_04		Engineering Materials by Dr S shastri (1 to 82)		Ilmonia
	in Chai	rge 🕔	13				HOD		



Dr. Milind Khanapurkar

Dr. Milind Khanapurkar
Principal
Maharshi Karve Stree Shikshan Sanstha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.

0			-	45 100	Ruby laser and Fierre	freedith(S)					
10	1720741	- 44	Lect.	No.	Exact To pic Name & Subtopic	FPtID	link Teaching	Chapter no. Page no,edition. No	link for quiz or poll ASSI grant	Completion Date	
			4	11	Tunnel Diode, Zener Diode LED, Photodiode.Transistors Hall effect, Hall voltage and Hall coefficient; its applications,	Semi			Tetenal	28/4/2	Q1/8
					Numericals	Semi _ppt_06				215/22	G/k
3	2 May t	07			Quantum Transitions: Absorption, Spontaneous emission & stimulated Emission,	Laser _ppt_01			22/4/22 Asign /	2005	
	May		4	4	, Metastable states, Principle of laser, Laser characteristics, Coherence length and coherence time,	Laser		A textbook of Engineering	Tutorial 2_ 13/5/22_	16/5/22	- en,
4	9 May to		3	īv	Pumping schemes: Three level and Four level.	Laser _ppt_03		Physics by Avdhanulu (Edition 2009)Page number395-421, Advanced Engineering		20/5721	
					Optical Resonator,	Laser _ppt_04		Materials by Dr S shastri (138 to 166)		2011722	
Facu	lty in Cl	nar			Ruby laser and He-Ne laser,	Laser _ppt_05		нов		23 157 2	





Lab Practicals Plan

Di	r.S.Shastri		Adva	nced engi	neering Ma	terials	Department:	AS	
				BatchC 1			Batch C 2	1	
Pi	, and or experiment	Possible variations used	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	
pr	print		print	fill	fill	print	fill	fill	1
1	V-I characteristics of Semiconductor diodes		21-04-2022	21/4/2		22-04-2022	22/4/22		6
2	Input, output and current transfer characteristics of NPN transistor in CE mode		28-04-2022	28/4/2		29-04-2022	29/4/22		3
3	V-I characteristics of Zener diodes.	Diodes with different Zener voltage	05-05-2022	5/5/2		06-05-2022	615/22		3
4	Input, output and current transfer characteristics of NPN transistor in CB		12-05-2022	12/5/	2_	13-05-2022		2	
5	Study of Diode as a rectifier		19-05-2022	13151	22	20-05-2022	2 20 15/2	2	(1
6	Study of LED	use of Diodes with different colors (cut-in vol.)	09-06-2022	26 5	122	10-06-202			1
	Determination of band gap Energy of Semiconductor		23-06-2022	2		24-06-202	22		1









Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/AS / 21-22

Date: 18/ 4 / 2022

LESSON & TEACHING PLAN for Advanced Engineering Materials

				De	partment o	of Allied Science	e				
Facult	y Name:Di	r Shubhai	ngi Bon	npilwar		Sub:Advance	ed Engineering Materia	Sec: C	Year	: 2021-22	Sem:-
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPtID	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/Tut orial Date	AC's sign
1	18-23 April 22	2		Band Theory of Solids: Basic idea of free electron theory of metals,	PPt	BB			20/4/22		7
	7xpr11 22			Expression of conductivity of a metal. Drift velocity, mean free path			A testbook of Engineering		21/4		na
-	25-30	I	Formation of energy bands in Solids Classification of solids on the basis of energy band diagram:			physics (page number 506- 526)10th Edition		722/4/2	26/4/22	100	
				Conductors, Semiconductors and Insulators.			,Atextbook of		(27/4/2		12
2	April 22	4		concept of Fermi energy.Fermi energy and Fermi level.Concept of effective mass,			Applied physics(1.1 to 1.39) first edition		1211112		1
				Numericals		ВВ)		1
				Semiconductor Devices: Basics of Semiconductor, conduction process		PPT			28/4		10
3	2-7 May 22	4		characteristics of P-N junction Diode: "Tunnel Diode, Zener Diode,		BB			2914		1
				, LED, Photodiode.			A testbook of		215		KC
			II	Transistors			Engineering physics,M N		5/5/2	2	16

Faculty in Charge

\$

HOD



Dr. Milind Khanapurkar

WEE No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/Tut orial Date	AC's sign
				.Hall effect, Hall voltage and Hall			Avadhanulu (page		}		7
4	9-14 May 22	3		applications of Hall Effect		BB	number 527- 607)		8 9-11	AS-2	1
				Numericals *					map	11 may 22	1
				Numericals					22		
				Magnetic and Superconducting Materials: I ntroduction to magnetic materials, magnetic field,					1		70
5	16-21 May 22	4		magnetic dipole moment, magnetic induction,magnetization, magnetic susceptibility, magnetic permeability,		PPT projection	A testbook of Engineering		10/6/2	2	
			Ш	Diamagnetic, Paramagnetic, Ferromagnetic, Ferri-magnetic and anti ferromagnetic materials:			physics,M N Avadhanulu (page number 608- 664)		15/6/2		1
	23-26			Properties of mag. Materials					716/6		11
6	May 22	2		Hysteresis curve, Applications of magnetic materials					18/6/2		1
7	27 May -4 June 22				Sessiona	al I					
				Superconductors: Basics of superconductivity: Zero electrical resistance		BB \$			201	6	
				Persistent current Effect ofTemperature, Effect of Magnetic Field, Critical Current;		chalk			to 216		
8 6	6-11 June	4	m	The Meissner Effect.Type-I and type-II superconductors, London Equation:		prejection	A testbook of Engineering physics,M N		7		

HOD



NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/Tut orial Date	AC's sign
				The penetration depth, Bardeen- Cooper-Schrieffer (BCS) theory.			number 608- 664)		22/6		(
				Numericals		BBS			23/6/22	2	7
				Numericals		chalk					1
9	13-18 June	4	IV	Lasers: Quantum Transitions: Absorption, Spontaneous emission & stimulated Emission,					12-17	13/6/22	1
				Coherence length and coherence time,Metastable states, Principle of laser		BB 8			Smay 22		
				Pumping schemes: Three level and Four level. Optical cavity		thalk	A testbook of		?	https://docs.google.	A.,
				Characteristics and applications of lasers			Engineering physics,M N		18-21 may	m/forms/d/1w9pB_1 SN9MLk08VR84GaH7	807
10	20-26 June 22	4		Construction & working of Ruby laser and He-Ne laser,		projectus	Avadhanulu (page number 395- 421)		22		\bigvee
				Numericals					77-8		
T				Numericals		BB			Jur		-14
11	27-30 June 22	3	IV	Test/Revision		10 Com			22	A Second Control of the Control of t	1
			٠	Test/Revision		d-toere		4	7.2716	124	
				Nanoscience and Nanomaterials			A testbook of Engineering		827/6	122	1
				Introduction to Nanoscience, Classification of nano materials,			physics (page		P		11

<u>S</u>

HOD



WEEK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/Tut orial Date	AC's sign
12	4-9 amy 22	4	V	with bulk materials, Some special nanomaterials		projection	725)10th Edition		28/6/22		
				Zeolites, 2) Graphine, Application of nanomaterials in engineering			Applied physics(5.1 to 5.31) first edition		29/6/22		Y

Supremor .

Daz

803

Faculty in Charge

HOD





Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2019-20

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in







Sharpening Engineering Acutes with a difference



CCOEW/AS/ 19-20

Date: / / 2019

LESSON & TEACHING PLAN

				CUMMINS COLLEGE	OF ENGINE	ERING FOR WOMEN,	, NAGPUR			
aculty	Name: Prof.	. Pravin	Gorantiwa			Subject: Applied Maths II			ed Science .8-19)	Sem:- EVEN
NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	23 Dec- 28 Dec	6	VI(B)	FINITE DIFFERENCES Forward difference operator (Δ), Shifting operator E, Factorial Notation	Solving example by dividing group	Text Book By D.T. Deshmukh Pg no.534 to 544	PPT/video to solve example and algorithms of method	26123	9	Don
2	30 Dec- 04 Jan	5	VI(B)	Lagranges interpolation formula for unequal intervals Difference Equation: Soloution of difference equation with constant coefficient	I avamnie	Text Book By D.T. Deshmukh P no.567 to 573 & 600 to 624	evample and	00:12.1	3	Mar
3	06 Jan- 11 Jan	5	VI(A)	STATISTICS : CURVE FITTING Fitting of curve ; straight line a+bx Fitting of curve parabola, A fitting of expoential curve by method of leas square method	of example	by D.T. Deshmukh	PPT/video to solv Pg example and algorithms of met	1	10.01.	20 0
4	13 Jan- 18 Jan	5	VI(A)	Coefficient of correlation, Line of regressions, properties of correlation coefficient, Correlation by rank	on Solvii	III I Deshmukh	Pg example and	i (0,0	.20	Ø
5	20 Jan- 25 Jan			,		Anannya Cultural Fo	estival			
6 Faci	27 Jan- 01 Feb	/5	I	INTEGRAL CALCULUS - I Gamma function, Beta function	Solv exan	D. L. Deshmuki	example of i	solve inverse	6.01.50	30.01.00





					100000000000000000000000000000000000000	Refrence Book -		Completion A	Assignment/T	
F 1	:/\	Lect.	, of No.	opic No. 41 - 10	Teaching Aid	Cha,	_(tuns	Date	utorial Date	HOD's sign
7	03 Feb- 08 Feb	6	I	Differentation of definite integral by leibneit'z rule, The mean value, The root mean value, The root mean square value	Solving example	Text Book By D.T. Deshmukh Pg no.187 to 194	PPT/video to solve example of convolution theorem	29.01.20	31.01.70	Mar
8	10 Feb- 15 Feb	1			-	SESSIONAL-I	1	T	T	
9)- 6	I	vector, Divergence of vector point function & Curl, Directional derivat of function with their physical interpretation	Solving example	D. I. Desimuni A	og PPT	07.02:3	s	Doi
10	0 24 Feb 29 Fe		5 IV	Solenodial vector, Irrotational motion INTEGRAL CALCULUS - II Tracing of cutocartesian & Polar), Rectification of sin	urve mple Solving e of exampl	D. I. Deshinukii	PPT/video for solve Pg example of probabi function		1	
11	1 02 Ma		6 I	VECTOR INTEGR CALCULUS line integral, Surface integral ,voi integral,Stroke's theorem,Gau divergence theorem,Green's theorem,Application	olume Solvir	D. I. Desimuku	Pg example of	al		Qlaz
	09 M: 14 M	/ar		WULTIPLE INTEGRAL AND T APPLICATION Elemer double integrals, Change of var (simple trasformation), Chang order of integration (cartesian polar)	ntary riable Solv ge of exan	Text Book I D.T. Deshmukh no.343 to 3	h Pg PPT			



	3	agert lect			top of	Refrence Book - no,edition, No			Date	Lorial date	
13	16 Mar- 21 Mar	6	Ш	method to change given integration into polar form, Application of integration to find mass area volume and Centre of gravity of plane lamina, Elementary tripple integration	dividing	Text Book By D.T. Deshmukh no.371 to 425	Pg	PPT			
14	23 Mar- 03 Apr					REVIS	SION		,		7
15	4 Apr- 9 Apr			Ž.		Session	onal II				

Dan

HOD





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/AS/ 19-20

LESSON & TEACHING PLAN

				CUMMINS COLLEGE	OF ENGINE	ERING FOR WOMEN	NAGPUR			
aculty	Name: Prof.	Sneha I	Uttarwar			Subject: Applied Maths II		SEM II Alli	ed Science 8-19)	Sem:- EVEN
No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Total Control of the Control	Assignment/T utorial Date	HOD's sign
1	23 Dec- 28 Dec	6	VI(B)	FINITE DIFFERENCES Forward difference operator (Δ), Shifting operator E, Factorial Notation	Solving example by dividing group	Text Book By D.T. Deshmukh Pg no.534 to 544	PPT/video to solve example and algorithms of method	24/12/19		Dar
2	30 Dec- 04 Jan	5	VI(B)	Lagranges interpolation formula for unequal intervals Difference Equation: Soloution of difference equation with constant coefficient	Solving example	Text Book By D.T. Deshmukh Pg no.567 to 573 & 600 to 624	PPT/video to solve example and algorithms of method	31 12 1	9	Mari
3	06 Jan- 11 Jan	5	VI(A)	STATISTICS :CURVE FITTING Fitting of curve; straight line a+bx, Fitting of curve parabola, A fitting of expoential curve by method of least square method	example by	11 Hackmulch De	PPT/video to solve example and algorithms of method	Tatorial Tatorial Eloi 120		Dans
4	13 Jan- 18 Jan		VI(A)	Coefficient of correlation, Line of regressions, properties of correlation coefficient, Correlation by rank	Solving example	III. I. Deshmukh Po	PPT/video to solve example and algorithms of method	14/01/2	4	Don
5	20 Jan- 25 Jan				A	nannya Cultural Festiv	al			
6 Faci	27 Jan- 01 Feb	5 Charg	I	INTEGRAL CALCULUS - I Gamma function, Beta function	Solving exampl	D.T. Deshmukh	PPT/video to solve example of inverse	71		Mar



EEK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
7	03 Feb- 08 Feb	6	I	Differentation of definite integral by leibneit'z rule, The mean value,The root mean value, The root mean square value	Solving example	Text Book By D.T. Deshmukh Pg no.187 to 194	PPT/video to solve example of convolution theorem	Tutored - II		Don
8	10 Feb- 15 Feb				(SESSIONAL-I				
9	17 Feb- 22 Feb	n	п	VECTOR DIFFERENTIAL CALCULUS Vector tripple product, Scaler product of four vector and vector product of four vector, Vector differentation, Gradient of vector, Divergence of vector point function & Curl, Directional derivativ of function with their physical interpretation	Solving example	Text Book By D.T. Deshmukh Pg no.194 to 248	РРТ	20/02/20 Tutorrad		
10	24 Feb 29 Feb	1 5	i IV	Solenodial vector, Irrotational motion INTEGRAL CALCULUS - II Tracing of curv (cartesian & Polar),Rectification of simp curve,Quadrature, volume,Surface of solid revoluation (cartesian,Polar and parametric form)	e Solving example	Text Book By D.T. Deshmukh P no.497 to 531	PPT/video for solved g example of probability function		0	Mar
1	02 Ma 07 Ma	1 6	5 N	VECTOR INTEGRAI CALCULUS line integral, Surface integral, volur integral,Stroke's theorem,Gauss divergence theorem,Green's theorem,Application	ne Solving	ID. I. Deshmukh	PPT/video for solved example of mathematical exceptation	1 Tulon2 1 7 103 03	20	
12	2 09 Ma 14 Ma	ar '	5 \	MULTIPLE INTEGRAL AND THE APPLICATION Elementar double integrals, Change of varial (simple trasformation), Change of order of integration (cartesian ar	ry ble Solvin of examp	D. L. Desninuku	Pg PPT	19/03/2 10 Tutrond	20 20	(A)a





VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
13	16 Mar- 21 Mar	h	ш	method to change given integration into polar form, Application of integration to find mass area volume and Centre of gravity of plane lamina, Elementary tripple integration	Solving example by dividing group	Text Book By D.T. Deshmukh Pg no.371 to 425	PPT			Don
14	23 Mar 03 Apr					REVISION	1			
15	4 Apr- 9 Apr					Sessional	111	*	•	

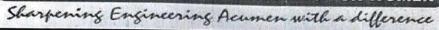


HOD

Dr. Milind Khanapurkar Principal Iaharshi Karve Stree Shikshan Sanetha's rummins College of Engineering for Women



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





In-andar BTM Nagrin

CCOEW/AS / 19-20

Date: 23 /12 / 2019

LESSON & TEACHING PLAN for Advanced Physics

				Departi	ment of Allie	d Science				
Faculty	y Name: Prof	f Dr Sanjiv	ani shas	stri				Year: 2	SEM II	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HO N s sign
1	23 -28 Dec 19	3	I	Interference in thin films, Interference in Wedge shape thin film,	Read aloud,Co relating daily life examples	Textbook of Optics	ppt	23/12/19 24/12/19 26/12/19		Don
2	30Dec -4 Jan 20	2	I	Newton"s rings, Anti-reflection coating and applications		Avadhanulu(323- 325)A Text book of EP by	ppt _.	27/12/19		War
3	6-11 Jan 20	4	1	Numericals		Avadhanulu(142- 154:395-421)Edition No 14,Problems in Physics by Avadhanulu(192- 223) 4th edition		4/1/10 7/120 8/1/20 9/1/20	Assign) Tutanid	Don
4	13-18 (an 20	3	I	Spatial and temporal coherence of a light wave, Quantum Transitions: Absorption, Spontaneous emission & stimulated Emission,Metastable states, Pumping schemes, Principle of laser,		Textbook of Optics by Avadhanulu(323- 325)A Text book of EP by Avadhanulu(142- 154:395-421)	ppt	9/1/20 14-1-2	0	Mar

Faculty in Charge



				()			The state of the s	7 (4) 7 (4)	CHEST WEST AND AND	SERVICE AND AND
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
6	20-25 Jan20				Anna	any Weeek				
5	27-1 Feb20	3	I	Numericlas		Avadnandiu 192-	27/1/20 28/1/20 30/1/20			Man
7	3-8 Feb 20	3	п	Motion of charged particles in uniform ele& mag field Motion of electron in parallel & per fields, acute angle condition,		EP By Avadhnulu(43-69) Numericals in Physics by Avadhanulu(40- 117) 4th edition	4-2-20 6-2-20 M-2-20			Mary
9	10-14 Feb 20			1	S	essional I				
8	17-22 Feb 20	3	п	Effect of mag & electric field on KE of charged particles Velocity filter, cross field connetion and numericals		EP By Avadhnulu(43-69) Numericals in Physics by Avadhanulu(40- 117) 4th edition	y - 20 - 20			Mar
10	24 Feb -29 Feb 20	4	III	Bethe"s law, Electric and Magnetic focusing,		EP by	7-20-20			Mai
11	2-7 Mar20	3	III	Construction & working of Electrostat lens,CRT, CRO, Block Diagram,Function & working of each block,		Avadhnulu(333- 359)14 th edition		1 11 111	n2.	(Q)

AC



WEEK		N- of		0						
No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page	ICT tools	Completion Date	Assignment/	HOD's sign
12	9-14 Mar 20	3	III	Modes of propagation in fiber, Acceptance angle, Numerical aperture, Attenuation and dispersion		no,edition. No EP By Avadhanulu(329- 379),Problems in	pbt	26/2/20 27/2/20	Asligns	
13	16-21 Mar 20	3	m	Light sources and Detectors, As a Sensors - i) Temperature Sensor ii) Pollution / Smoke detector iii) Liquid, Numericals	9	Physics by Avdhanulu,14th edition		28/21/20 3/3/20 4/3/20 5/3/20	Tutonial 3	
14	30-31 Mar 20	1		Introduction to nanoscience and nanotechnology, Classification of nano materials, Synthesis of nano materials nanomaterials, 1) Zeolites, 2) Graphine Application of nanomaterials in engineering, Impact of Nanoscience and nanotechnology.		Intro to Nano by Poole(1,154)&Nano the essentials by Pradeep(3-9)edition no 1		7/3/20 7/3/20 12/3/20 13/2/20 14/5/20	C	J. J
15	4-8 April 20					Sessional II	ppt	1		

₩... AC





Maharshi Karve Strae Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Stagening Constants August Market



LESSON & TEACHING PLAN

Facult	ty Name: Dr.	Shubha	ngi Bor	npilwar	SEC :A	Sub: Advanced Physics		First Year (2		Sem:-
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	THE RESERVE OF THE PARTY OF THE	Refrence Book - Chapter no, Page no	ICT tools	Completio n Date	Assignme nt /Tutorial	HOT s Sign
	23-31Dec	4	1	Advanced Physics syllabus discussion	Downloading syllabus from RTMNU website	Text Book of Engineering Physics: M N Avadhanulu, P K Kshirasagar pp.143-		23/12/19		000
1				Thin Film interference, wedge shaped thin film		160		27/12		Mai
			0	Newtons Rings experiment and its various parameters	live demonstration in lab			30/12		0
				Applications; antireflection coating, flatness of surface				31/12		W
2	1to 4 Jan 2020	1		Numericals		Problems in Physics M N Avadhanulu, 192-223		4/1/200		(J)a
	6 to 10 Jan- 2020	3		Introduction of Laser, Interaction of radiation with matter		Text Book of Engineering Physics: M N Avadhanulu,	Projector	7/1/20	Assign	1
3				Spatial & Temporal coherence, Principle and Characteristics of LASER		P K Kshirasagar,pp. 395- 410		7/1/20	15/1/20	701
			N N	Population inversion, metastable state,Pumping Schemes,Three & four level Lasers				7/1/20		Jan
4	13-17 Jan	2	1	Working of He-Ne Laser ,Ruby LASER				14/1/20		1
1551				Semiconductor Laser and Applications				15/1/20		00
	17-24 jan			Ananya	12			17 8		-
	27-31 Jan	4		Numericals		Problems in Physics M N		18/120		120
				Numericals		Avadhanulu, 325-344		411/20		170
5			11	Unit II: Electron Ballistic Motion of charged particles in uniform electric field	1	Text Book of Engineering Physics: M N Avadhanulu, P K Kshirasagar, 43-58		27/1/2		13,
h				particle in electric field at varioue angles				28[1]	20	1



					A ALLE COM	•	1		1	1
3	-7 Feb	3			ab activity -CRT		,	12/20	1	,
				and at an acute angle			-	- \-	1	
6				Electrostatic and magnetostatic	1		7	3/2/20/	MA	1
~		- 1		deflection.			Ť	100	1000	
		- 1		Crossed electric and magnetic field		×		32/24 L		1
_		_	-	configurations Velocity filter.	0-1-11			-	LISWEIDS I	
	0-15 Feb			Energy of charged particles in electric	Sessional I			1,,/		7
8 1	7-21 Feb	1						200	189	
-	4 00 F.1	_		and magnetic field		Problems in Physics M N		3/2/20 -	-47	
4	24-29 Feb	3		Numericals		Avadhanulu, 40-117		4220 20	2/20/	
9	1	- }		Numericals		Text Book of Engineering			1.0	
			Ш	Bethe"s law.Construction & working of				1010100	11	
				Electrostatic lens, magnetostatic lens		Physics: M N Avadhanulu,		18/2/00	>	
1	2-7 March	2		CRT, Block Diagram, Function &		P K Kshirasagar, 70-100		10/0/00	1/	
10				working of each block.				18/2/20		\sim
10				CRO,Block Diagram, Function &	LAB activity]		261010	/	Mar
				working of each block.	cro			24/2/20		
	9-14 March	4		Applications of CRO		1 1		25/2/20		
		-		Bainbridge mass spectrograph,		1		2 () -)		1
11				Cyclotron.				26/2/20	1)	
11				Numericals		Numericals: M N		2/3/20		
								2/3/20		
				Numericals	14	Avadhanulu, 125-154			1	\vdash
	16-21March	3	IV	Optical fibers: Propagation by total		Text Book of Engineering		3/3/20	29 /	
	16/3/20)		internal reflection,		Physics: M N Avadhanulu		N. 65	3rd ASI	
12	to	ľ		Acceptance angle, Numerical aperture,		P K Kshirasagar, 698-725	5	3320	' . \	
	90 Te	\.		, Modes of propagation in fiber,				Maka	13/20	1
	24/3/20	>		Attenuation and dispersion.	25	2		4/3/20		1
	23-28	1	4	AB 749 (0.00)		-		7320		10
	TANKS MENTAL	4		Light sources and Detectors.		9		9/3/20		1 4
	March			Applications:various sensors		_		13,13/3/20) [
13				Numericals	De l	T 1 1 2 1	-	14/17/15/14	1.5	/ \
•		1		Introduction to nanoscience and		Introduction to			1	1
		1)		nanotechnology, Classification of nan	10	Nanotechnology:Pooly	&			
				materials		Owens; Willey		3		
	30-31March	2	7	Synthesis of Nanomaterials, . e.g;		Publication, Nanoscien	ce			
14		1		PVP,CVP sol-gel etc.	149	by T Pradip				
	l		1	Zeolites, 2) Graphine,			1		7	

Sub. Teacher

Moz





Moharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Lab Practicals Plan Sem. II

		CUMMINS COLLEGE OF	ENGINEERING	FOR WOMEN,	NAGPUE			Date. 24	/ 12 / 2019
aculty I	Name: Dr. S Bompilwar		Subject: Adva				Department: science	Section: A	
				Batch 82			Batch-M A2		
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Dorform	No. of Viva	Hours Remark
print	print	possible Variations used	print	fill	fill	print	fill	done fill	fill
1	To determine the wavelength of Laser source by plane diffraction gratting.		9/1/2020	9/1/20	~	27 12 2020		/	Day
2	Plano-convex lens by Newton's Ring Expt.	Distance variation	28/12/2020	26/12	1	10/1/2020	10/1/20	/	Mar
3	Determination of refractive index of prism		6/2/2020	12/3/20	1	7/2/200	13/3/20)
4	Determination of specific cgarge (e/m) of an electron by Thomson's method		5/3/200	6/2/20	1	6 3 202	0 28 24 24		Da
5	Determination of wavelength of sodium light by plane diffraction gratting	1	27/2/201	30/1/20	/	28/2/219	31/1/20	/	Mar
6	Study of Cathode Ray Oscilloscope (CRO) and measurement of AC and DC voltages	Different values of inpuvoltage	12/3/202	0 27/2/29	/	13/3/20	20 6/3/20)
7	Determination of phase difference and Frequency of electrical signals using CRO	Different values of resisrors and capaciror		20 5/8/20	/	20/3/20	20 13/3/20		Wen

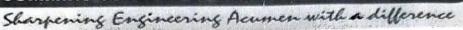
Sub-Teacher

HoT





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/CE / 19-20

Date: / / 2020

LESSON & TEACHING PLAN

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR SEM II (2019-20) Sem:- EVEN Subject: ES Faculty Name: Prof. Priyadarshini Ramteke Refrence Book -Activity/ Completion Assignment/I HOD's sign No. Of Unit WEE Chapter no. Page ICT tools Exact Topic Name & Subtopic Teaching utorial Date Date Week Lect. No. K No. no.edition. No Aid 31/12/19 Concept of Culture and Civilization 23-27 Dec Memory Game I Applied Humanities and Social 3/1/20 30 Dec - 4 2 Engineering, Jan Meaning and Scope of Industrial 10/1/20 Case studies 6 - 11 Jan 3 Psychology and Industrial Sociology, II 29/1/20 Fatigue, Selection and Training of 13 - 18 31/1/20 4 Workers Jan ANANNYA 2020 20 - 25 5 Jan Right to Information(RTI), Public Assignment Interest Litigation (PIL), Intellectual 27 Jan - 1 Seminar I 6 Property Rights(IPR) & Patents, Lokpal Feb 1/9/20 Motives for Work in Industry, Discussion on 9/2/20 II 7 3 - 8 Feb motives Transactional Analysis. SESSIONAL - I 10 - 15 8 Feb 5/2/20 Sustainable development, 17 - 22 Case studies 7/2/20 III 9

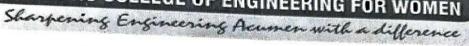


Feb

Professional Ethics



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/CE / 19-20

Date: / / 2020

Section - A

L	ESSON & TEACHING PLAN	V Julio,		1	2020
CUMMINS COLI	EGE OF ENGINEERING FOR WO	OMEN. NA	AGI	PU	 R
*200**********************************		-,,-,,		_	

Facult	y Name: Pi	rof. Priya	darshin	i Ramteke		Subject: ES		SEM II	Sem:- EVEN	
WEE K No.	*Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	23-27 Dec			Concept of Culture and Civilization				23/12/19		Mary
2	30 Dec - 4 Jan		I .	Applied Humanities and Social Engineering,	Memory Game			26/12/19	10 8	Mar
3	6 - 11 Jan		п	Meaning and Scope of Industrial Psychology and Industrial Sociology,	Case studies			30/12/19		Var
4	13 - 18 Jan		1 11	Fatigue, Selection and Training of Workers				6/1/20 9/1/20		Mar
5	20 - 25 Jan				ANAN	NYA 2020				
6	27 Jan - 1 Feb		I	Right to Information(RTI), Public Interest Litigation (PIL), Intellectual Property Rights(IPR) & Patents, Lokpal	Seminar			Assignm	0	3
7	3 - 8 Feb		II	Motives for Work in Industry, Transactional Analysis.	Discussion on motives			30/1/20		(Mar
8	10 - 15 Feb		A Property		SESS	IONAL - I				
9	17 - 22 Feb		Ш	Sustainable development, Professional Ethics	Case studies			3/2/7		Mar



WEI K No	Wool	No. Of Lect.	Unit No.	Exact Tonic Name & Subtonic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
10	24 - 29 Feb			Organizational Behavioral Dynamics: Leadership in Industry				15/2/2020		7
11	2 - 7 March			Indian Constitution and Federal System	Quiz			17/2/2020		P
12	9 - 14 March		IV	Fundamental Rights and Directive Principles.	MCQs			20/2/2020		War
13	16 - 21 March			Role of Bureaucracy in Modern Society, Industrial Democracy				27/2/2020		
4	23 - 28 March			Works Organization: Power, Authority and Status System; Formal		,	,	5/8/2020 9/3/2020	- 5	1
5	30 - 31 March		, I	Industrialization and Urbanization: Study of Slums	11-			7/3/2020		J and
100	Apr - 8				SESSIO	NAL - II				



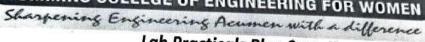


WEE K No.	Wook	No. Of Lect.	Unit No.	Transcens Truscons Stranscens St. St. Sp. 19	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition, No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
10	24 - 29 Feb			Organizational Behavioral Dynamics: Leadership in Industry				9/2/20		
11	2 - 7 March			Indian Constitution and Federal System	Quiz			25/2/20		<u></u>
12	9 - 14 March		1 1 1/	Fundamental Rights and Directive Principles.	MCQs			27/2/20	,	(about
13	16 - 21 March			Role of Bureaucracy in Modern Society, Industrial Democracy				4/3/20		1
14	23 - 28 March		0.8000.0	Works Organization: Power, Authority and Status System; Formal and Informal Organization				6/3/20		D Wa
15	30 - 31 March			Industrialization and Urbanization: Study of Slums				14/3/20		303
17	1 Apr - 8 Apr				SESSI	IONAL - II	BIOM	Z.S.F.		





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





Lab Practicals Plan Sem. II

Date: 21/ 12 / 2019

aculty N	lame: Dr. Asha H. Gedam	AINS COLLEGE	Subject: MaC			for	Department: Allied science		Section: A	
			Batch A1				Batch A2			
Pi	Name of experiment	1	Planned Date	Performed Date	No. of Viva	Planned Date	Donfarmed by for		HoT's Remar	
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill	
1	Determination of flash and fire point by Abels closed cup apparatus		3/1/2020	27/12/20		2/1/2020	9/1/20		(Max	
2	Determination of flash and fire point by Pensky Marten's apparatus		10/1/2020	10/1/20		9/1/2020	9/1/20		Dan	
3	Determination of viscosity by Redwood viscometer		17/1/2020	7/2/20		16/1/2020	30)1120		Non	
4	Determination of moisture content of coal	2	28/2/2020	28/2/20		20/2/2020	20/426		2	
5	Determination of volatile matter of coal		6/3/2020	6/3/20		5/3/2020	5/3/20	5	a)au	
6	Determination of ash in coal		13/3/2020	13/3/26		27/2/202	714	20	12	
7	Determination of acid value of lubricating oil		20/3/2020	20/3/2	6	12/3/20	20 12/3/	20	Say	
8	Determination of saponification value of oil		27/3/2020	27/3/2	0	19/3/20	20 1913/	20		

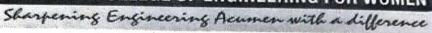
Subject teacher

Academic Coordinator





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





Date: 16/ 8 / 2019

	CUMN	AINS COLLEGE	OF ENGIN	ERING FO	OR WOM	EN, NAGPL	JR	Date: 1	6/ 8 / 2019
aculty N	ame: Dr. Asha H. Gedam		Subject: MaC				Departme	nt: Allied	Section: B
				Batch B1			Batch B2		
Pi	Name of experiment	0	Planned Date	Performed Date	No. of Viva done	Planned Date	Performed Date	No. of Viva	HoT's Remark
^e print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	Determination of flash and fire point by Abels closed cup apparatus		1/1/2020	1/1/20		30/12/2020	30/12/2	0	Dor
2	Determination of flash and fire point by Pensky Marten's apparatus		08/01/20	8/1/20		13/1/2020	1 1 20		Dan
3	Determination of viscosity by Redwood viscometer		15/1/2020	15/1/20		27/1/2020	27/1/20	,	1
4	Determination of moisture content of coal		19/2/2020	19)420	,	17/2/202	0 17/242	40	1
5	Determination of volatile matter of coal		4/3/2020	413/20	0	2/3/202	0 2/3/2	0	Juja
6	Determination of ash in coal		11/3/20	11/3/20	0	9/3/20	9/3/2	10	1
7	Determination of acid value of lubricating oil		18/3/202	0 1832	0	16/3/20	020 16/3	120	1) as
8	Determination of saponification value of oil		25/3/202	0 81/3/2	0	23/3/2	020 25	3/20	(a)

Mars

Subject teacher

Academic Coordinator

College of Englisee Hingna, Hogper-441110 E



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/AS / 2019-20

Date: 21/12/2019

LESSON & TEACHING PLAN for Engineering Chemistry

aculty	Name: Dr. A	chall C		Departm	ent of Allied	Science				
acuity	Ivaille, Dr. A	isna n. Ge	eaam					Year: 2019-20		Sem:- II
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOT's sign
1	23-28 Dec.	3	2	I I duid fuels, tractional distillation of	One word substitution	Jain and Jain 72- 75	•	28/12/19	•	Doc
2	1-4 Jan	3	2	, sales and or racing octains manifest and	Numericals solving	Jain & Jain 81-82, Dara 126- 127,Jain 99-111		4/1/2020		glas
3	6-11 Jan	3	2	Cracking of petroleum-principle, types, catalyst used, advantages,		S. S. Dara, 116- 121		9/1/2020		Day
4	13-18 Jan	3	2	Introduction: higher and lower calorific value, Determination of calorific value by Bomb and Boys gas calorimeter.		Jain & Jain 55-60		14/1/202	0 14/1/20.	Oper
5	20-24 Jan				Ananny	7a	žii.			
6	27-31 Jan	2	1	Numerical based on calorific value determination, significance of proximate and ultimate analysis., Numericals on Dulongs formula, composition, properties and limitations of biodiesel	Numericals solving	Jain 61-68, Dara 150		27/1/2	0	Olon
7	3-8 Feb.	3	1	Composition, properties, advantages, limitations of LPG, CNG., Non conventional energy resources and their applications, advantages and disadvantages	Differentiation by students	Jain & Jain , 83- 91		1212 422 622	0 112/20	. Oan
Fâcu	ley the Ch	arge	/		Sessional I		AC DO	1		



No.	Week	Lect.	No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOT's sign
9	17-21 Feb	3	1	Lubricants- Introduction, mechanisms- hydrodynamic, boundary and extreme pressure lubrication		Jain & Jain, 427- 430	-	17/2/20		
10	24-28 Feb				Retest I			*		
11	2-7 Mar	3	3	Biodegradable lubricants- Properties, applications, advantages and limitations, classification of lubricants, solid, semisolid and liquid lubricants.	*	Jain & Jain, 434- 444		243 20 413) 20 513) 20		Wo-
12	9-14 Mar	3	3	Synthetic lubricants- Silicones, Lubricating emulsions, Properties of greases, drop point and consistency test	Experimentatio	Jain & Jain, 438- 446		12/3/20 12/3/20 13/3/20 14/3/20		7
13	16-21 Mar	3	3	Properties of liquid lubricants: Acid value, saponification number, flash and fire point, viscosity and viscosity index, Aniline point, Cloud and pour point, Criteria for selection of lubricants, Biodegradable polymers	Experimentation	Jain & Jain, 173- 181		20/3/2	5	مام
14	23-28 Mar	3	3	Properties and applications- polylactic acid (PLA) and polycaprolactone(PCL), Conducting polymers- polyaniline, polypyrolle, composite materials, particle reinforced and fibre reinforced, LCP	,	Pradeep, 114-12	PPT 5	24/3/2 27/3/2 28/3/2 29/3/2	20	3
15	30-31 Mar	2	4	Nanomaterials- definition nano scale, carbon nano tubes, types and difference between single wall NT, Multi wall NT, application of nanomaterials in medicine environment and electronics	5	Dara & Umare 36 54	6- PPT	3)/3)	(I) Al) De

AC





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acuses with a difference



CCOEW/CE / 19 -20

Date: 05 / 08 / 2019

LESSON & TEACHING PLAN

Facu	lty Name: P	rof. Pravin	Gorant	iwar	Sec A	Subject: Applied Maths I			ed Science. 18-19)	Sem:- ODD
WEE	K Week	No. Of Lect.	Unit	Fyart Tonic Name & Subtonic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOO's sign
1	05 Aug 10 Aug	1 7	III	MATRICES Inverse of Matrix by adjoint method Inverse by Partitioning method	Solving example by dividing group	Engineering Mathematics Shobhane & Tembhekar Pg. no. 2.1 to 2.17	PPT/video to solve inverse by adjoint method	07-08-49		Dor
2	12 Aug- 17 Aug	4	Ш	Rank of Matrix Solution of system of linear equations Consistency of linear system of equations Tutorial 1	Solving example	Engineering Mathematics Shobhane & Tembhekar Pg. no. 2.18 to 2.37	PPT/video for consistency of linear equation	1408.19	T. 14.68.2	
- 1	19 Aug- 24 Aug	5	VI	COMPLEX NUMBER Cartesian and polar form of compex numbers Demoiveres theorem Hyperbolic function and their inverse Logarithm of complex quantities Tutorial 2	Solving example by dividing group	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 315 to 354/362 to 392	PPT/video for defination of complex number,modulus,arg ment	JE 08.1	7.2608 19081	Ja Mar
1	Aug-	5	I	DIFFERENTIAL EQUATION- I First order first degree differential eqation linear Differential eqation Reducible to linear	Solving example	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 555 to 592 (Vol2)	PPT/video for solve example of first ord		5:19	l so



	1	- ottoo	1					- John		
No.	Week	Lect.	No.	Case: Topic Name & Enbropic	Teaching Aid	Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HO T 's sign
5	27 Aug- 01 Sept	6	I	Exact Differential eqation Equation Solvable for x,y,p Tutorial	Solving example	Pg. no. 593 to 621 (Vol2)	PPT/video for solved example of exact diff. equation	07°9'9	7.09-19	Doz
7	2 Sept- 7 Sept	4	ш	PARTIAL DIFFERENTATION Function of several variable, first and higher order derivative Euler's Theorem chain rule and total diferential co-efficient	Solving example by dividing group	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 223 to 260 (Vol2)	PPT	21.09	9	
6	09 Sept- 14 Sept					Sessional I				
9	16 Sept- 21 Sept	6	ш	Jacobians Taylors and Maclaurins series of two variable, Maxima and Minima of function of two Variable Lagranges method of undetermined multipliers Tutorial 4	example	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 273 to 328 (Vol2)	PPT	61.01.40		Dor
8	23 Sept- 28 Sept	5	IV	DIFFERENTIAL CALCULUS Defination and Notation, The nth derivative of standered function Partial Fraction Method of finding nth derivativ of rational function Leibneitz Rule (nth detivative)	Solving example	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 1 to 26	PPT/video for solved example of leibneitz rule	07-10,19		Dan
0	30 Sept- 05 Oct	5	IV	Taylors Theorem , Maclaurins Theorem Indeterminate Forms Radius of curvature of cartesion	Solving example	Text book of Engineering Mathematics D.T.Deshmukh	PPT/video for solved example of indeterminent	18.10:19	16.10.19. A-3	Dan

HOR DOWN

(3



				围/			_A	THE PERSON NAMED IN	to talk to the talk of the	MANY CONTRACTOR
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
11	07 Oct- 12 Oct	4	v	DIFFERENTIAL EQUATION- II Higher order differential equation with constant coefficient up to method of variation of parameters.	Solving example	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 671 to 721(Vol2)	PPT/video for solved example of higher order diff. equation	20-10:1		Colory
12	14 Oct- 19 Oct	6	V	Cauchys and Legenders homogeneous differantial eqation	Solving example	Pg. no. 721 to 731 (Vol2)		22.10.	19	Maz
13	21 Oct- 23 Oct	3	v	Differential equation of the special type Application Tutorial 6	Solving example by dividing group	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 781 to 791 (Vol2)	РРТ	08.11.15	,	Om
14	31 Oct- 09 Nov	8				REVISION	1			
14	11 Nov- 18 Nov	1				Sessional II	1		118	





Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2018-19

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in









CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/CE / 19 -20

Date: 05 / 08 / 2019

LESSON & TEACHING PLAN

				LESSC	NV CK ILA	CIIII C FLAN				
				CUMMINS COLLEGE	OF ENGINE	ERING FOR WOMEN	, NAGPUR			
Facul	ty Name: Pro	of. Sneha U	Jttarwar	,	Sec A I	Subject: Applied Maths I		SEM I Alli (201	Sem:- ODD	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOO's sign
1	05 Aug- 10 Aug	5	Ш	MATRICES Inverse of Matrix by adjoint method Inverse by Partitioning method	Solving example by dividing group	Engineering Mathematics Shobhane & Tembhekar Pg. no. 2.1 to 2.17	PPT/video to solve inverse by adjoint method	08/08		Mar
2	12 Aug- 17 Aug	4	Ш	Rank of Matrix Solution of system of linear equations Consistency of linear system of equations Tutorial 1	Solving example	Engineering Mathematics Shobbane &	PPT/video for consistency of linear equation	16/08	13/08 Tutorio -I	of Open
3	19 Aug- 24 Aug	5	VI	COMPLEX NUMBER Cartesian and polar form of compex numbers Demoiveres theorem Hyperbolic function and their inverse Logarithm of complex quantities Tutorial 2	Solving example by dividing group		PPT/video for defination of comple number,modulus,arg ment		8 Tuton	1
4	26 Aug- 31 Aug	5	I	DIFFERENTIAL EQUATION- I First order first degree differential eqation linear Differential eqation Reducible to linear			9.55	17/0	9)*	0
icult	ty in Cha	irge –		Land to the second seco			HOD			



WEEK	- January	104-00	10000			Refrence Book -	-4-	200		THE CONTRACTOR
No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
5	27 Aug- 01 Sept	6	I	Exact Differential eqation Equation Solvable for x,y,p Tutorial 5	Solving example	Pg. no. 593 to 621 (Vol2)	PPT/video for solved example of exact diff. equation	07/69		Day
7	2 Sept- 7 Sept	4	Ш	PARTIAL DIFFERENTATION Function of several variable, first and higher order derivative Euler's Theorem chain rule and total diferential co-efficient	Solving example by dividing group	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 223 to 260 (Vol2)	PPT	1110		
6	09 Sept- 14 Sept		-			Sessional I				
9	16 Sept- 21 Sept	6	Autro, where confirmation control and cont	Jacobians Taylors and Maclaurins series of two variable, Maxima and Minima of function of two Variable Lagranges method of undetermined multipliers Tutorial 4	example	Text book of Engineering Mathematics D.T.Deshmukl Pg. no. 273 to 32 (Vol2)		10	0	Doz
8	23 Sept- 28 Sept	5	IV	DIFFERENTIAL CALCULUS Defination and Notation, The nth derivative of standered function Partial Fraction Method of finding nth derivativ of rational function Leibneitz Rule (nth detivative)	Solving example	Viathematic	PPT/video for so example of leib rule	1 1 121 1	09	Mar
10	30 Sept- 05 Oct	5	IV	Taylors Theorem , Maclaurins Theorem Indeterminate Forms Radius of curvature of cartesion	Solving exampl		PPT/video for s example o	f X	4109	0

HOU

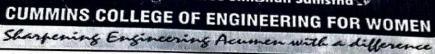


No.	Week	No. Of Lect.	No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
11	07 Oct- 12 Oct	4	v	DIFFERENTIAL EQUATION- II Higher order differential equation with constant coefficient up to method of variation of parameters.	Solving example	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 671 to 721(Vol2)	PPT/video for solved example of higher order diff. equation	1.0		\
12	14 Oct- 19 Oct	6	V	Cauchys and Legenders homogeneous differantial eqation	Solving example	Pg. no. 721 to 731 (Vol2)		24/10		
13	21 Oct- 23 Oct	3	v	Differential equation of the special type Application Tutorial 6	Solving example by dividing group	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 781 to 791 (Vol2)	РРТ	07/11		Moz
4	31 Oct- 09 Nov	8				REVISIO	N			
4	11 Nov- 18 Nov			47		Sessional II				

Moin









CCOEW/AS / 19-20

Date: 5 / 08 / 2019

LESSON & TEACHING PLAN for Engineering Physics

							LAN for Engineering F of Allied Science				
Facult	ty Name:	Prof. Dr	.Sanji	vani :	shastri				Year: 2019-20		Sem:l
NEEK No.	Week	No. C	Miles	nit lo.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
1	5Aug- 10Aug	3	П	I	Crystal structure, Meaning of lattice and basis, Unit cell: primitive and non primitive unit cellCubic crystal structure: Body and Face centered cubic structures, SC, BCC and FCC unit cells.		A textbook of Engineering Physics, By Avdhanulu,chpt no 16(pages469- 483,491,492,494- 500)Problems in Physics pages345- 380)By Avdhanulu,2010Engine ering Phy & Che by Subhash chander(313- 329)Edition 2010	ppt.1	5/8/19 6/8/19 9/8/19		Ø or Z
12A 17A	_	2	III	dista paci Crys	Unit cell characteristics: Effective mber of atoms per unit cell, atomic radius, nearest neighbor tance, coordination number, atomic king fraction, void space, density; stal planes and Miller indicesInteranar distance between adjacent planes, Bragg's law of X-ray diffraction,	Hand made model showing various planes	A textbook of Engineering Physics, By Avdhanulu,chpt no 16(pages469- 483,491,492,494- 500)Edition 2010	video 1	3/8/19		Pos

Charge &

AC DON



Principal
Maharshi Karve Stree Shikshan Sans
Cummins College of Engineering for Wo
Hingna, Nagpur-441110.

150	VEEK No. Week	No. C Lect.	THE PERSON NAMED IN	Evant Tamia Nama C Culta-	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
3	19Aug- 24Aug	3	III	Tetrahedral and octahedral voids.Numericals	Hand made model showing various planes,solving numericals in group	Problems in Physics pages345-380)By Avdhanulu,2010	ppt.1	14/8/19		Ø)or
4	26Aug- 31Aug	4	I	Plank"s Hypothesis, Properties of Photons ,Compton Effect,Wave – particle duality,	watching video in class	Textbook of engineering Physics by Avdhanulu Pages(322- 328,356-360)Reprint 2010	video 2	Assign I Tutonial 2018/19 26/8/19	1918/19	Olan
5	1Sept-7 sept	4	I	De-Broglie Hypothesis, Davisson - Germer Experiment;Bohr"s Quantization condition,Numericals		A text book of Engineering Physics by Avdhanulu pages(361- 379),Eng Phy & Che by Subhash Chander pages(229-243) Reprint 2010	ppt.2	24/8/19 24/8/19 27/8/19 3/9/19 5/9/18		You
1	9sept-13 sept				<u> </u>	Sessional I				

3/s

aculty in Charge

O on

A(



WEI No.	1 Mank	No. O Lect.	of Un No		Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools		ssignment/T utorial Date	AC's sign
7	16Sept- 21Sept	3	п	Concept of Group and phase velocities, Wave packet, Thought experiment on single slit electron diffraction, Wave function and its probability interpretation,	*	A text book of Engineering Physics by Avdhanulu pages(361- 379),Eng Phy & Che by Subhash Chander pages(229-243) Reprint 2010	ppt 3	7/09/19 17/9/19 10/9/19 2/19/19		Doz
8	23Sept- 28Sept	3	II	Wave function and its probability interpretation,		A text book of Engineering Physics by	ppt3	24/9/19		Do
9	30Sept- 5Oct	4	II	Solution of Schrödinger"s equation for one dimensional infinite potential well,Barrier Tunneling,Numericals		Avdhanulu pages(361- 379),Eng Phy & Che by Subhash Chander pages(229-243) Reprint 2010	ppt3	30/9/19 1/10/19 3/10/19 5/10/19	Attigum 2 Tutonius	- Way
10	70ct- 120ct	2	IV	Band-theory based classification of solids into insulators, semiconductors and conductors, Fermi-Dirac distribution Function, Intrinsic semiconductors: Germanium and siliconFermi energy, Typical energy band diagram of an intrinsic semiconductor, Doping and Extrinsic semiconductors,		Engineering Physics By Avdhanulu,pages(55- 129),Problems in Physics pages(381- 430),Elec & instrumentation by KC Jain pages (1- 24)Problrms in Physics by Avdhanulu pages(315-324)Reprint 2010	ppt4	7/10/19 10/10/19 12/10/19 15/10/11		Waz
tv in	Charge	3					AC			

ulty in Charge



No.	Week	No. C Lect.	of Uni No.	t Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
11	140ct- 190ct	3		PN- junction diode; Unbiased, Forward baised & Reverse biased mode with Energy band diagram reference, Diode rectifier equation, s		Engineering Physics By Avdhanulu,pages(55- 129),Problems in Physics pages(381- 430),Elec & instrumentation by KC Jain pages (1- 24)Problrms in Physics by Avdhanulu pages(315-324)Reprint 2010	3	19/10/19 22/10/ 2/11/ 4/11/	1 Addignmen 3 Tutorial 3	0 Z
12	21Oct-23 Oct	1	1 1	action, Numericals Hall effect, Hall coefficient & Hall Angle, Numericals		Problems in Physics by Avdhanulu pages(315- 324)Repint 2010	ppt4	SINI	17	0)0
13	4Nov - 8Nov	3	IV	Numericals	7.55	Problems in Physics by Avdhanulu pages(315- 324)Repint 2010		7014		2)0=

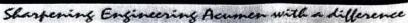
culty in Charge

Mari

AC









Lab Practicals Plan Sem. I

Date: 5 / 8 / 2019

Facult	/ Name:Dr. Sanjivani Shastri	MINS COLLEGE	Subject:Engine				Departmen science	t: Allied	Section: A
				Batch B1			Batch B2		
Pi	Name of experiment	18	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	AC's Remark
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	V-I characteristics of Semiconductor diodes		20/8/19	618119		19/8/19	19/8/17		Da
2	Input, output and current transfer characteristics of NPN transistor in CE mode	constant value of voltage and current is different	03/09/19	1318/19		26/8/19	26/8/19	,	Don
3	Input, output and current transfer characteristics of NPN transistor in CB	constant value of voltage and current is different	17/9/19	27 18 119		16/9/19	26/8/	19	
4	V-I characteristics of Zener diodes.	different types of diodes are given to diff students	24/9/19	20/8/19		30/9/2019			Dow
5	Study of Diode as a rectifier.		21/10/19	110/19		28/10/19	12/10/10	1 120	ton?
6	Study of LED.	Different colors of LED are given to diff studetns	1/10/19	24/9/19		7/10/201	1 1 1		by 700
7	Determination of band gap		15/10/19	24/9/19		14/10/1	9 7/10/1	1 4	Pla

Faculty in charge

6M3

Page 1





Maharshi Drve Stree Shikshan Samstha Cummins College of Engineering For Women



2/18

419

CCOEW/AS / 19-20

2-7/9/19

Ity in Charge

3

Date: 8/ 8 / 2019

				Departme	nt of Allie	d Science					
Fac	ulty Name	: Prof. D	r. Shubi	nangi Bompilwar	Sub: Engine	ering Physics	Sec: A	Year: 2019-20		Sem:- I	
WEE No.	Week	No. C	1000	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOQ's sig	
			III	Introduction of Crystal Structure, meaning of lattice & basis,			PPT	5/8	(5	Doz	
1	5-9/8/19	3		Unit cell: primitive and non primitive unit cell; cell characteristics of SC	,	Text Book of Engineering		7(8		Do	
				BCC and FCC structures		Physics: M N		9/8		Dog	
\neg			1	Miller Indices		Avadhanulu, P		918	ASSI'4-H	d -	
2	12-17/8/19	3		Inter-planar distance between adjacent planes, Relation between d and (hkl)'		K Kshirasagar, 468-497		14/8	17)8	1	
1				Bragg's Law				14/8		1/4	
1				Numericals		Numericals: M N		16/8	1918		
1	9-23/8/19	3	İ	Numericals		Avadhanulu, 345-		17/8			
	9		ŀ	TEST		***		26/8			
20	21/0/10		N	ntroduction of Quantum mechanism, comparison with Newtonian mechanics, Plank "s lypothesis, Properties of Photons,				1918		1	
26.	31/8/19	4	Ī	Compton effect		Text Book of		12/18			

Engineering

Physics: M N

Avadhanulu, P

K Kshirasagar,

305-360

Hingna, Hogper-441116

Compton effect

Wave particle Duality, De-Broglie

Matter wave, Bohr's Quantization condition.

hypothesis, its applications

Davisson - Germer Experiment

1	1,0.	ek	Lect.		Unit Exact Topic Name & Subtopic	Teaching Aid	no,edition. No		Date	Date	D's sign
F	6 9-13/9/	-					EERS DAY				,
\vdash		\top	T		Numericals		Numericals: M N	23/24/8	Morial		10
	7 17-21//9/1	9	2	I	Numericals		Avadhanulu, 252- 324	519/19	MOGGL		Wo
					TEST on unit I			26 919			
				II	Concept of Group and phase velocities, their relation			18/9/19			۸۵ خ
8	23-27//9/19				Wave packet, Heisenberg"s uncertainty principle, Thought experiment on single slit		Text Book of Engineering	20/9			Moz
					Wave function and its probability interpretation, Schrödinger s Time	*	Physics: M N Avadhanulu, P	21/9)
					Solution of Schrödinger"s equation for one dimensional infinite potential well,		K Kshirasagar, 356-378	23/9			5.
10	1-5/10/19	3			Barrier Tunneling., Numericals			25 9			100
					Numericals		Numericals: M N	27/9	Tutoria		7
					Numericals		Avadhanulu, 252-	27/9		k	17
1	7-11/10/19	3			Revision		324	-			170
			1		Test			-			
2			Г	(%)	Introduction to semiconductor physics, Qualitative idea on the formation of			36/9/19		ASS: 2	1
	14-19/10/19	3			band diagramof Li, SI, Ge			4110		1/110/19	1 /0
					Intrinsic and Extrinsic semiconductors			7/10			7
21	-23/10/19	2		F	Fermi-Dirac distribution function			7/10			
Ĺ		ATT A		11	ntrinsic semiconductors , derivation of ni, EF		Text Book of	9110			1
lty	y in Char	ge			extrinsic semiconductor band dia and conductivity		Engineering Physics: MHO	11/10			1



VEEK Week	No. Of Lect.	Unit No. Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book Chapter no. Page no,edition, No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
1-2/11/19		Hall effect, Hall coefficient & Hall Angle,		Avadhanulu, P K Kshirasagar, 356-378		18/10		
		Numericals				15/10		(Mar
		PN- junction diode; eq. of potential barrier, Vo				15/10		7
4-8/11/19	#3	Band diagram of p-n diode at equilibrium, and biased		*		23/10		201
		Characteristics of tunnel diode, zener diode, LED				1/11	T	12000
11-16/11/19		Basics of Transistor, band dia. of pnp and npn transistors		3		4/11		7
	2	Numericals		Numericals: M N Avadhanulu, 381- 430		2)1)		Maz
		Revision	Ses	sional II		8/11/19		,

Sub. Teasher Dr. S Bompilwar

HoT

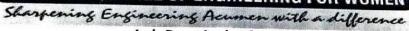
Ity in Charge



HOT



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





Lab Practicals Plan Sem. I

-	CL	IMMINS COLLEGE	OF ENGI	NEERING FO	R WOM	EN, NAGPU	R	210. 10	8 / 2019
Facult	ty Name: Dr. Asha H. Gedam		Subject:			for	Department: science	Allied	Section: A
				Batch A1			Batch A2		
Pi	Name of experiment		Planned Date	Performed Date	No. of Viva done	Planned Date	Performed N	lo. of Viva done	HoT's Remark
print		possible Variations used	print	fill	fill	print	fill	fill	fill
1	Determination of temporary, permanent and total hardnes		23/8/19	1618119	1	22/8/19	22/8/19.	1	Mar
2	Estimation of amount of nicke by complexometry	_	30/8/19	22/8/19	١	29/8/19	22/8/19	1	Doz
3	Determination of type and extent of alkalinity by Warder's method	_	06/09/19	20/9/19	1	5/9/2019	5)9/19	1	Mo.
	Estimation of free chlorine by iodometry	1	13/9/19	04/10/19	1	19/9/19	19/9/19) 1	Ø) o
E	Estimation of dissolved oxygen	1	27/9/19	27/0/19	1	26/9/19	26/01/	9 1	Da
	Determination of copper by odometry	1	11/10/19	11/10/19	1	3/10/201	9 3/10/19	3	(0)
m	etermination of calcium, agnesium hardness parately	_	18/10/19	18/10/19	1	10/10/20	19 7 11 1	9.	1 0
- 1	The same of the sa	Also by uning PH JMM	25/10/19	15/10/19	1	17/10/1	17/10	110	1 0

iubject teacher

Academic Coordinator





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



Date: 16/ 8 / 2019

	CUM	MINS COLLEGE	OF FNGIN	FERING FO	R WOM	EN NAGDI	ID	Date: 1	6/8/2019
N	ame: Dr. Asha H. Gedam		Subject:	Batch B1	N WOIVI		Departmen science Batch B2	t: Allied	Section: B
	Name of experiment		Planned Date		No. of Viva	Planned Date		No. of Viva	HoT's Remark
	print	possible Variations used	print	fill	fill	print	fill	fill	fill
	Determination of temporary, permanent and total hardness	water Sangles from strelents residence	21/8/19	2118119	١	23/8/19	16/8/19	١	Don
- 1	Estimation of amount of nickel by complexometry		28/8/19	8/8/19	١	30/8/19	22/8/19	1	Dong.
-	Determination of type and extent of alkalinity by Warder's method	- 1	04/09/19	419119	١	06/09/19	619119	'	() or
1	Estimation of free chlorine by iodometry	-	18/9/19	18/11/19	1	13/9/19	25/9/19	1	Olaz
T	Estimation of dissolved oxygen	_	25/9/19	8 8 19	١	27/9/19	2719119	1	Open
T	Determination of copper by odometry	_	9/10/19	2/10/19	1	11/10/19	11)10/1	2 1	Max
n	Determination of calcium, magnesium hardness	_	16/10/19	16/10/19	1	18/10/19	18/10/	19 1	Man
D	separately Determination of pH by pH neter	By waip OH	23/10/19	23/10/19	1	25/10/1	41096	1	Mar

0

cher

(Mor

Academic Coordinator





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS / 2019-20

Date: 16 / 8 / 2019

LESSON & TEACHING PLAN for Engineering Chemistry

				Departn	ent of Allied	Science				
Facult	y Name: Dr.	Asha H. G	edam					Year:	2019-20	Sem:- I
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOT's sign
1	5-10 Aug	3	3	Introduction, raw materials of portland cement, Dry and wet process of manufacture, Cement moduli, Setting and Hardening of cement.	Balancing of chemical reactions	Walekar & Bharati 3A-7 to 3A-10		5,6,		Dot
2	12-17 Aug	3	3	Heat of hydration, soundness, Types of cement- white, high alumina, Low heat, Rapid hardening cement		Walekar & Bharati 3A-11 to 3A-12	PPT	13/819 17/819		abu
3	19-24 aug	3	3	RMC, Fly ash as cementing materials (Properties, advantages, limitations and applications.)	QA	S.S. Dara 306-307		19/8/19 20/8/19 20/8/19 21/8/19	20/8/19	Mar
4	26-31 Aug	3	4	Principles of green chemistry, Biocatalysis and concept of carbon credits,	QA	S.S. Dara 814-816		24/8/19		Mon
5	2-7 Sep		4	Battery Technology- primary, secondary, reserve batteries, definition of energy density, power density, Secondary battery: Lithium ion, nickel cadmium, alk fuel cell		S.S. Dara 717 to 735		04(0)(0 0H)(0H)	,	Mar
6	9-14 Sept					Sessional I				
	16-21 sep	3	2	Introduction, Consequences of corrosion, electrochemical & galvanic series, Factors influencing corrosion- nature of metal, nature of environment, chemical and electrochemical corrosion	QA	Jain & Jain 329, P.C.Jain and M. Jain 342-343		17/9/19	18 911	1 Dog

Faculty in Charge

Mar.





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan

Date: 17/6 / 2019

2 V F 1	CUMMINS CO	LLEGE OF ENGINEERING FOR WOME	N, NAGPUR			
	Faculty Name: Prof. Vid	ya S Raut	Depart	ment:Allied S	Science	Sem:1st
	Subject: Comput	ational Skill		Batch A1		
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	AC's Remark
print	print	possible Variations used	print	fill	fill	fill
1	Fundamentals of Computer Operating System.Internal structure of Computer. demonstrate the use of System Software.Explain about "C" language Complier.	Study about basics Computer System .	6/8/2019 8/8/2019	6/8/2019 8/8/2019	10	2
2	Fundamentals of "C" language: To demonstrate all types of operators (Arithmetic, Logical and Relational) ,different data types .Demonstrate the use of "printf" and "scanf" with all possible options	Various program to use scanf() function to take input from the user, and printf() function to display output to the user.	13/8/2019 20/8/2019 22/8/2019	13/8/2019 20/8/2019 22/8/2019	10	W2
	Fundamentals of Decision Control Structures Contents: Demonstrate the use of if-else structure, Nested if structure. The use of Conditional operators (? Operator. The use of Switch. Case construct.	Check whether a number is even or odd Find the largest number among three numbers. Check Whether a Number is Positive or Negative or Zero.	27/8/2019 29/9/2019 3/9/2019	27/8/2019 3/9/2019	20	
7 1 1 1, ",	Fundamentals of Loop Control Structures Contents: To demonstrate the use of "while" control structure. The use of "do while" control structure. The use of for" control structure. The use of "break" and "continue" construct.	prints Hello 3 Times. Find factorial of a number. Reverse a number. Check whether a number is a palindrome or not. Check Armstrong number.	5/9/2019 17/9/2019 19/9/2019		15	

Faculty in charge

Page 1

AC



5	Fundamentals of One Dimensional Arrays Contents: To demonstrate the creation of array, addition of an element, deletion of an element and displaying the elements from one dimensional array.	Program to take 5 values from the user and store them in an array Program to find the average of n numbers using arrays Program to check prime numbers in an array.		24/9/2019 26/9/2019	\$0	2
6	To demonstrate the implementation of bubble sort, selection sort and insertion sort. To demonstrate the implementation of linear search and binary search.	C Program on bubble sort, selection sort and insertion sort. To demonstrate the implementation of linear search and binary search.	1/10/2019 3/10/2019	1/10/2019 3/10/2019	10	Jahr
7	Fundamentals of Two Dimensional Arrays Contents: 1) To demonstrate the matrix manipulation operations like addition. multiplication.	C Program on matrix manipulation operations like addition, multiplication.	10/10/2019 15/10/2019	11/10/2019 15/10/2019	20	3
8	Fundamentals of Functions Contents: 1) To demonstrate the implementation of functions. 2) To demonstrate the call by value parameter passing method.	C Program to Creating a user defined function addition(). C Program to Swapping the values of the two variables	17/10/2019 22/10/2019		20,	J Wa

Faculty in charge

Page 2

AC





Maharshi Karve Stree Shikshan Samstha's **CUMMINS COLLEGE OF ENGINEERING FOR WOMEN**



Sharpening Engineering Acumen with a difference

Lab Practicals Plan Engineering Graphics I

	C	UMMINS COLLEGE (OF ENGINE	ERING FOR	WOMEN	, NAGPUR		Date: 0	05/08 /2019
Faculty	Name: Prof. Abhijit S.Getme		Subject: Engin Graphics I				Departme science	nt: Allied	Section: A
		4		Batch A2			Batch A1		
Pi	Name of experiment	34.5	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva	HoD's Remark
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	Curves	Drawing instruments	24/09/19	24/09/19	24/09/1	24/09/19	24/03/	19 24/09/	4) aby
2	Projection of Lines	Drawing instruments	01-10-19	cilolia	פולסולים	01-10-19	العاله	01/10/0	
3	Projection of Planes	Drawing instruments	15/10/19	isholis	15/10/13	15/10/19	।राजा) जिल	3/2000
4	Projections of solids	Drawing instruments	22/10/19	22/10/19	22/10/1	22/10/1	9 22/10/	امالياكا	שויש
5	Orthographic Views	Drawing instruments	29/10/19	29/10/19	19/10/1		,		15 (1)
6	Isometric Views/Projection	Drawing instruments	29/10/19	29/10/19	الماروم لا	29/10/	19 2)10	lispali	לט \ שלי

Faculty in charge

Page 1





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Sharpening Engineering Acumen with a difference

Lab Practicals Plan Engineering Graphics I

Date: 05/08/2019

	Cl	JMMINS COLLEGE (OF ENGINE	ERING FOR	WOMEN	I, NAGPUR			
Faculty	Name: Prof. Abhijit S.Getme		Subject: Engir Graphics I	neering		tor	Departme science	nt: Allied	Section: B
				Batch B2			Batch B1		
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remark
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	Curves	Drawing instruments	19/09/19	واوواوا	26/09/19	19/09/19	والواوا	26/09/1	1/01
2	Projection of Lines	Drawing instruments	26/09/19	26/03/19	26/09/19	26/09/19	26/09/19	14/09/1) (Don
3	Projection of Planes	Drawing instruments	26/09/19	4/09/0			26/09/19	ાજીજી	
4	Projections of solids	Drawing instruments	10-03-2019	03/10/13	10/10/19	10-03-2019	03/10/1	و امالها و) (A) and
5	Orthographic Views	Drawing instruments	10-10-2019	Elolo	Holy	10-10-201	10/10/19	17/0/5	3 & Mar
6	Isometric Views/Projection	Drawing instruments	17/10/19	17/10/15	17/10/19	17/10/19	17/10/1	1 116	ע

Letre . . As Gutne Faculty in charge

Page 1



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441119. Day



Sharpening Engineering Acumen with a difference



CCOEW/AS / 19-20

Date: 05/08/2019

LESSON & TEACHING PLAN for Engineering graphics I

_					Departme	nt of Allied S	cience				
Facu	ilty Nam	e: Prof.	Abhijit :	S.Getme	ž				Year: 2019-20		Sem:- I
WEEI No.	K We	ek	No. Of Lect. Unit No. Exact Topic Name & Subtopic			Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion	Assignment/T	HOD's sign
1	05-10	Aug	3	1	Introduction, Use of various drawing instruments, lettering, Layout of drawing sheets, sizes of drawing sheets, different types of lines used in drawing practice, Dimensioning – linear, angular, aligned system, unidirectional system, parallel dimensioning, chain dimensioning, location dimension and size dimension. Introduction to scales & scale factor (RF).	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/1-2/1.1 2.31	PPT	17 Aug		Ohr
2	12-17 A	ug	3	1	Conic sections - Ellipse, Parabola, Hyperbola, (No Directrix - Focus Method), Cycloid, Involute & Archimedean Spiral	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/3-4/3.1. 4.22	PPT	31 Aug		Don
19	9-24 Aug	g a		1 or	Basic principles of orthographic projection, reference planes, concepts of four quadrants, methods of orthographic projections – First angle projections, Third angle projections, conventions used to represent methods of rthographic projection. Projections of points in all possible positions w.r.t. reference planes, projections of lines when it perpendicular to one of the reference planes	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/7/7.1- 7.75	PPT	07 50)	2	(D)a.
26-3 ty i	1 Aug	3 As	1 ar	lin Qu line refe	e is inclined to one & parallel to other reference plane, es inclined to both reference planes. (Lines in First adrant Only), simple problems on straight es.Projection of planes when it is parallel to one of the erence planes, lying in reference plane	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/7-8/7.1 7.75/8.1-8.41	PPT	21/50	P	Ba



WEE	Wook	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
5	02-07 Sep	3	2	perpendicular to one & inclined to other reference plane, when it is inclined to both reference planes.	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/8/8.1- 8.41	PPT	21'809		Do
6	16-21 Sep	3	2	Use of Auxiliary Plane method for solving the problems.	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/8/8.1- 8.41	PPT	23569		Don
7	23-28 Sep	3	2	Projections of solids when axis is perpendicular to one of the reference planes, when axis is inclined to one & parallel to other reference plane,	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/9/9.1- 9.60	РРТ	28 હર્		Don
8	30Sep-05 Oct	3	2	axis is inclined to both the reference planes, projections of cube, right regular prisms, right regular pyramids, right circular cylinder, right circular cone, tetrahedron.	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/9/9.1- 9.60	PPT	05.509		De
9	07-12 Oct	3	3	Orthographic Projections	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/5/5.1- 5.24	PPT)20c 4		Man
) 1	4-19 Oct	3	3	Orthographic Projections	Solid Models	Engineering Graphics-Basan Agrawal,C M Agrawal/5/5.1 5.24	PPT	1900		Mar

faculty in Charge

HOB DUA



	No.	Wee		No. Of Lect.	Unit No	Exact Topic Name & Subtopic perpendicular to one & inclined to other reference plane,	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
	5	02-07 S	ер	3	2	when it is inclined to both reference planes. Use of Auxiliary Plane method for solving the problems.	Solid Model	Engineering Graphics-Basant Agrawal,C M Agrawal/8/8.1- 8.41	PPT	21'509		Dos
	6	16-21 Sej	, ;		2		Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/8/8.1- 8.41	PPT	23509		Don
7	23	3-28 Sep	3		2	Projections of solids when axis is perpendicular to one of the reference planes, when axis is inclined to one & parallel to other reference plane,	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/9/9.1- 9.60	РРТ	28 sep		Dan
1		Sep-05 Oct	3	2	cin		Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/9/9.1- 9.60	PPT	05.589		Don
-	07-12	Oct	3	3		ographic Projections graphic Projections	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/5/5.1- 5.24	PPT)2004		Man
-1	19 Oc	et 3		3			olid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/5/5.1- 5.24	PPT	1900		Mar

Letme .. As Gubne aculty in Charge

HOB





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
11	21-26 Oct	3	4	Isometric Projections	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/12/12. 1-12.47	PPT	16004		
12	28 Oct- 05Nov	3	4	Isometric Projections	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/12/12. 1-12.48	PPT	OS NOV		

Faculty in Charge



HOU

Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanstha' Cunmins College of Engineering for Worker



Maharshi k rve Stree Shikshan Samstha' CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acamen with a difference

Cummins COLLEGE OF REGINEEZHING

CCOEW/AS / 19-20

Date: 05/08/2019

LESSON & TEACHING PLAN for Engineering graphics I

				Departmen	nt of Allied S	cience				
Facult	y Name: Pro	f. Abhijit	S.Getme					Year:	2019-20	Sem:- I
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	05-10 Aug	3	1	Introduction, Use of various drawing instruments, lettering, Layout of drawing sheets, sizes of drawing sheets, different types of lines used in drawing practice, Dimensioning – linear, angular, aligned system, unidirectional system, parallel dimensioning, chain dimensioning, location dimension and size dimension. Introduction to scales & scale factor (RF).	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/1-2/1.1 2.31	PPT	17 Aug		Dans
2	12-17 Aug	3	1	Conic sections - Ellipse, Parabola, Hyperbola, (No Directrix - Focus Method), Cycloid, Involute & Archimedean Spiral	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/3-4/3.1- 4.22	PPT	24Aug		Dan
3	19-24 Aug	3	1	Basic principles of orthographic projection, reference planes, concepts of four quadrants, methods of orthographic projections – First angle projections, Third angle projections, conventions used to represent methods of orthographic projection. Projections of points in all possible positions w.r.t. reference planes, projections of lines when it is perpendicular to one of the reference planes	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/7/7.1- 7.75	PPT	07Sep		Day
4	26-31 Aug	3 AS (A	1 and 2	line is inclined to one & parallel to other reference plane, lines inclined to both reference planes. (Lines in First Quadrant Only), simple problems on straight lines. Projection of planes when it is parallel to one of the reference planes, lying in reference plane	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/7-8/7.1- 7.75/8.1-8.41	PPT	16389		Øa,



VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
5	02-07 Sep	3	2	perpendicular to one & inclined to other reference plane, when it is inclined to both reference planes.	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/8/8.1- 8.41	PPT	21 sep	utorial Date	Don
6	16-21 Sep	3	2	Use of Auxiliary Plane method for solving the problems.	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/8/8.1- 8.41	PPT	28,500		Dow
7	23-28 Sep	3	2	Projections of solids when axis is perpendicular to one of the reference planes, when axis is inclined to one & parallel to other reference plane,	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/9/9.1- 9.60	PPT	30569		Dan
8	30Sep-05 Oct	3	2	axis is inclined to both the reference planes, projections of cube, right regular prisms, right regular pyramids, right circular cylinder, right circular cone, tetrahedron.	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/9/9.1- 9.60	PPT	05 oct		Down
9	07-12 Oct	3	3	Orthographic Projections	Solid Models	Engineering Graphics-Basan Agrawal,C M Agrawal/5/5.1 5.24	PPT	12 OCF		Down
10	14-19 Oct	3	3	Orthographic Projections	Solid Model	Engineering Graphics-Basar Agrawal,C M Agrawal/5/5.1	PPT	1900		Mon

Letre .. As Gebre
Faculty in Charge

HOLD



VEEK No.	Week	No. Of Lect.	Unit No.		Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
11	21-26 Oct	3	4	Isometric Projections	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/12/12. 1-12.47	PPT	26 oct		Mar
12	28 Oct- 05Nov	3	4	Isometric Projections	Solid Models	Engineering Graphics-Basant Agrawal,C M Agrawal/12/12.	PPT	OSNOV		Mon

Letine .. As Gubne Faculty in Charge



Mar

HOD



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accomes with a difference



Lab Practicals Plan

Date: 17/6 / 2019

	CUMMINS COLL	EGE OF ENGINEERING FOR WOMEN	CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR									
	Faculty Name: Prof. Vidya			ment:Allied S	cience	Sem:1st						
				Batch A1								
	Subject: Computati	onai skiii	Planned Date	Perform Date	No. of Viva	AC's Remark						
Pi	Name of experiment		Mark Mark Colors and C	fill	done	fill						
print	print	possible Variations used	print	7111	1111	100						
1	Fundamentals of Computer Operating System.Internal structure of Computer, demonstrate the use of System Software.Explain about "C" language Complier.	Study about basics Computer System.	6/8/2019 8/8/2019	6/8/2019 8/8/2019	10	12/						
2	Fundamentals of "C" language: To demonstrate all types of operators (Arithmetic, Logical and Relational), different data types. Demonstrate the use of "printf" and "scanf" with all possible options	Various program to use scanf() function to take input from the user, and printf() function to display output to the user.	13/8/2019 20/8/2019 22/8/2019	20/8/2019	10	We						
3	Fundamentals of Decision Control Structures Contents: Demonstrate the use of if-else structure, Nested if structure. The use of Conditional operators (? Operator. The use of Switch. Case construct.	Check whether a number is even or odd Fir the largest number among three numbers. Check Whether a Number is Positive or Negative or Zero.	27/8/201 29/9/201 3/9/201	19 3/9/2019	2	0						
4	Fundamentals of Loop Control Structures Contents: To demonstrate the use of "while" control structure. The use of "do while" control structure. The use of "for" control structure. The use of "break" and "continue" construct.	prints Hello 3 Times. Find factorial of a number. Reverse a number. Check whether a number is a palindroment. Check Armstrong number.	5/9/20 17/9/7 19/9/	2019 17/9/20	19	15 \						

Faculty in charge

Page 1

AC



5	Fundamentals of One Dimensional Arrays Contents: To demonstrate the creation of array, addition of an element, deletion of an element and displaying the elements from one dimensional array.	Program to take 5 values from the user and store them in an array Program to find the average of n numbers using arrays Program to check prime numbers in an array.		24/9/2019 26/9/2019	40	2
5	To demonstrate the implementation of bubble sort, selection sort and insertion sort. To demonstrate the implementation of linear search and binary search.	C Program on bubble sort, selection sort and insertion sort. To demonstrate the implementation of linear	1/10/2019 3/10/2019	1/10/2019	. 1	(Man
7	Fundamentals of Two Dimensional Arrays Contents: 1) To demonstrate the matrix manipulation operations like addition, multiplication.	search and binary search. C Program on matrix manipulation operations like addition, multiplication.	10/10/2019	3/10/2019 11/10/2019 15/10/2019	20	7
8	Fundamentals of Functions Contents: 1) To demonstrate the implementation of functions. 2) To demonstrate the call by value parameter passing method.	C Program to Creating a user defined function addition(). C Program to Swapping the values of the two variables	17/10/2019 22/10/2019	15/10/2019	20,	ala

Fac



Page 2

AC

Kinlind



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan Sem. I

Date: 05 / Aug / 2019

	ame: Prof. Rashmi	MMINS COLLEGE	Subject: Comm			6 = 2	Departme	nt· Allied	
eshpand	le	¥	Skills			for	science	and Ameu	Section: B
2002				Batch B1		-	Batch B2		
Pi	Name of experiment	18	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva	HoD's Remark
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	BARRIERS TO COMMUNICATION	Differentset q Questionnare given	9/8/2019	7/8		7/8/2019	7/8		Dan
2	DEVELOPMENT OF WORD' POWER	Signerent et of Esecurines gin	16/8/2019	16/8		14/8/2019	14/8		Ob /
3	SPEAKING SKILLS	varian hoping	23/8/2019	20/8		21/8/2019	21/8		Now
4	GROUP DISCUSSION	granter desun	20/9/2019	20/9		4/9/2019	4/9		10
5	INTERVIEW TECHNIQUES	Lyf, seroj esep.	4/10/2019	4/10		25/9/2019	25/9		Mon Mon
6	FORMAL LETTER WRITING,TECHNICAL REPORT WRITING	Sample agin as practice	100			16/10/2019	16/10		000
7	PRESENTATION SKILLS	prelitate made		8/11		6/11/2019	6/11		Day

Subject Faculty Whole parvale

HOT DOWN





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Sharpening Engineering Acumen with a difference

Lab Practicals Plan Sem. I

Date: 05 / Aug / 2019

	· Cl	JMMINS COLLEGE	OF ENGINE	ERING FOR	WOMEN	, NAGPUK			
Faculty N Deshpan	lame: Prof. Rashmi de		Subject: Communication Skills			for	Departme science	ent: Allied	Section: A
				Batch A1			Batch A2		
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remark
print	print	possible Variations used	print	fill	. fill	print	fill	fill	fill
1	BARRIERS TO COMMUNICATION	evertiamore give	8/8/2019	918		9/8/2019	7/8		Ofan
2	DEVELOPMENT OF WORD POWER	Excellisesgiven	22/8/2019	22/8		16/8/2019	16/8		Mari
3	SPEAKING SKILLS	raiousactività	29/8/2019	13/9		23/8/2019	23/8		Dans
4	GROUP DISCUSSION	different hopen	19/9/2019	19/9		20/9/2019	20 9		000
5	INTERVIEW TECHNIQUES	sauple ques	3/10/2019	3/10		4/10/2019	04/10	,	Mar
6	FORMAL LETTER WRITING,TECHNICAL REPORT WRITING	of a great of	17/10/2019	17/10		18/10/2019			Man
7	PRESENTATION SKILLS	presentate male	7/11/2019	07/11		8/11/2019	8/11		Mar
		0 00			- In				

Subject Faculty

Page 1



Dr. Milind Khanapurkar Principal Waharshi Karvo Stree Shikshan Sanetha's Summins College of Engineering for Women Hinona. Nappur-441116. Gai



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/CE / 18-19

/ 2018 Date:

LESSON & TEACHING PLAN

						EERING FOR WOME	N, NAGPUR			
Faculty	Name: Pro	f. Sneha	Uttarwar	.4		Subject: Applied Maths II			lied Science 18-19)	Sem:- EVEN
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	24 Dec- 29 Dec	1		Introduction of syllabus						
2	31 Dec- 05 Jan	6	VI(B)	FINITE DIFFERENCES Forward difference operator (Δ), Shifting operator E, Factorial Notation	Solving example by dividing group	Text Book By D.T. Deshmukh Pg no.534 to 544	PPT/video to solve example and algorithms of method	31 72/18		S/B
3	07 Jan- 12 Jan	5	VI(B)	Lagranges interpolation formula for unequal intervals Difference Equation: Soloution of difference equation with constant coefficient	Solving example	Text Book By D.T. Deshmukh Pg no.567 to 573 & 600 to 624	PPT/video to solve example and algorithms of method	66/1:/19 Tutoneu-I	11/01/19 Assignmen	645
4	14 Jan- 19 Jan	5	VI(A)	STATISTICS :CURVE FITTING Fitting of curve; straight line a+bx, Fitting of curve parabola, A fitting of expoential curve by method of least square method	Solving example by dividing group	Text Book By D.T. Deshmukh Pg no.876 to 891	PPT/video to solve example and algorithms of method	08/01/19		S)
5	21 Jan- 26 Jan	5	VI(A)	Coefficient of correlation, Line of regressions, properties of correlation coefficient, Correlation by rank	Solving example	Text Book By D.T. Deshmukh Pg no.891 to 912	PPT/video to solve example and algorithms of method	Takon os fattig on sunda ob ollig	4	en.
6	28 Jan- 02 Feb				An	annya Cultural Festiva	al GVIs			

02 Feb **Faculty in Charge**

HOD



Dr. Milind Khanapurkar Principal

Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
04 Feb- 09 Feb	5	I	INTEGRAL CALCULUS - I Gamma function, Beta function	Solving example	Text Book By D.T. Deshmukh Pg no.165 to 185	PPT/video to solve example of inverse	والماء		6/A
11 Feb- 16 Feb	6	1	Differentation of definite integral by leibneit'z rule, The mean value,The root mean value, The root mean square value	Solving example	Text Book By D.T. Deshmukh Pg no.187 to 194	PPT/video to solve example of convolution theorem	12/01/g		G/B
18 Feb- 23 Feb					SESSIONAL-I				
25 Feb- 02 Mar	6	п	VECTOR DIFFERENTIAL CALCULUS Vector tripple product, Scaler product of four vector and vector product of four vector, Vector differentation, Gradient of vector, Divergence of vector point function & Curl, Directional derivative of function with their physical interpretation	Solving example	Text Book By D.T. Deshmukh Pg no.194 to 248	PPT	06/02/19 TutorsV -III 16/02/19		0A
	5	IV	Solenodial vector, Irrotational motion INTEGRAL CALCULUS - II Tracing of curve (cartesian & Polar), Rectification of simple curve, Quadrature, volume, Surface of solid revoluation (cartesian, Polar and parametric form)	Solving example	Text Book By D.T. Deshmukh Pg no.497 to 531	PPT/video for solved example of probability function	23/02/19 Tutorral - IX 5/03/19		W3
16 Mar	6	IV	VECTOR INTEGRAL CALCULUS line integral, Surface integral, volume integral,Stroke's theorem,Gauss divergence theorem,Green's theorem,Application	Solving example	Text Book By D.T. Deshmukh Pg no.501 to 554	PPT/video for solved example of mathematical exceptation	06 [03]19 Tutuppel - 12 09 03 13	14/03/19 Assignment	en en
	04 Feb- 09 Feb 11 Feb- 16 Feb 18 Feb- 23 Feb 02 Mar 04 Mar- 09 Mar	11 Mar- 6 12 Feb. 12 Feb. 12 Feb. 13 Feb. 14 Mar- 15 15 Mar- 15 Mar- 15 Mar- 16 Mar- 16 Mar- 16 Mar- 16 Mar- 17 Mar- 18 Mar-	Week Lect. Unit No. 04 Feb- 09 Feb 5 I 11 Feb- 16 Feb 6 I 18 Feb- 23 Feb 25 Feb- 02 Mar 6 II 04 Mar- 09 Mar 5 IV 11 Mar- 16 Mar 6 IV	Search Topic Name & Subtopic	Teaching Ald	Week No. of tect. Unit No. Exact Topic Name & Subtopic Activity/ Teaching Ald Chapter no. Page no.edition. No	Week No. Of Lect. Unit No. Exact Topic Name & Subtopic Teaching Ald Chapter no. Page no.edition. No ICT tools	Week No. Of Lect. Unit No. Exact Topic Name & Subtopic Activity/ Teaching Ald Chapter no. Page no. edition. No Date	Neek No. Of Unit No. Exact Topic Name & Subtopic Teaching Ald Teachin

Faculty in Charge

College of Enginee

HOD

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
13	18 Mar- 23 Mar	5	v	MULTIPLE INTEGRAL AND THEIR APPLICATION Elementary double integrals, Change of variable (simple trasformation), Change of order of integration (cartesian and polar)	Solving example	Text Book By D.T. Deshmukh Pg no.343 to 370	PPT	11/03/19 Turkery 14/03/19		Ø\$Þ
14	25 Mar- 30 Mar	6	ш	method to change given integration into polar form, Application of integration to find mass area volume and Centre of gravity of plane lamina, Elementary tripple integration		Text Book By D.T. Deshmukh Pg no.371 to 425	РРТ	15/03/19 Tutoral - YI 21/03/19		GAS
15	01 Apr- 8 Apr					Sessiona				

Faculty in Charge

GV)

HOD





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/CE / 18-19

/ 2018 Date:

IESSON & TEACHING PLAN

						EACHING PLAN	N NAGPLIR			
aculty	Name: Pro	of. Pravi	in Gorantiv		IE OF ENGIN	Subject: Applied Maths II	ity italian	SEM II Allied Science (2018-19)		Sem:- EVEN
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	24 Dec- 29 Dec	1		Introduction of syllabus						
2	31 Dec- 05 Jan	6	VI(B)	 FINITE DIFFERENCES Forward difference operator (Δ), Shifting operator E, Factorial Notation 	Solving example by dividing group	Text Book By D.T. Deshmukh no.534 to 544	PPT/video to solve example and algorithms of method	61-01-19		Mention dat of Tutarial arrigin
3	07 Jan- 12 Jan	5	VI(B)	Lagranges interpolation formula for unequal intervals Difference Equation: Soloution of difference equation with constant coefficient	Solving example	Text Book By D.T. Deshmukh Pg no.567 to 573 & 600 to 624	PPT/video to solve example and algorithms of method	65:07-19		€\b
4	14 Jan- 19 Jan	5	VI(A)	STATISTICS :CURVE FITTING Fitting of curve; straight line a+bx, Fitting of curve parabola, A fitting of expoential curve by method of least square method	Solving example by dividing group	Text Book By D.T. Deshmukh Pg no.876 to 891	PPT/video to solve example and algorithms of method	07-01-19	3	G/45
5	21 Jan- 26 Jan	5	VI(A)	Coefficient of correlation, Line of regressions, properties of correlation coefficient, Correlation by rank	Solving example	Text Book By D.T. Deshmukh Pi no.891 to 912	PPT/video to solve example and algorithms of method	D C- 01-75	3	GVAS
6	28 Jan- 02 Feb				A	nannya Cultural Festiv	ral GM			

HOD



VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
7	04 Feb- 09 Feb	5	1	INTEGRAL CALCULUS - I Gamma function, Beta function	Solving example	Text Book By D.T. Deshmukh Pg no.165 to 185	PPT/video to solve example of inverse	11-01-19		300
8	11 Feb- 16 Feb	6	1	Differentation of definite integral by leibneit'z rule, The mean value,The root mean value, The root mean square value	Solving example	Text Book By D.T. Deshmukh Pg e no.187 to 194	PPT/video to solve xample of convolution theorem	12.01.19) -
9	18 Feb- 23 Feb					SESSIONAL-I				T.
10	25 Feb	1 6	TV.	VECTOR DIFFERENTIAL CALCULUS Vector tripple product, Scaler product of four vector and vector product of four vector, Vector differentation, Gradient of vector, Divergence of vector point function & Curl, Directional derivative of function with their physical interpretation	Solving example	Text Book By D.T. Deshmukh Pg no.194 to 248	РРТ	15.02-15	3	Sp
13	04 M: 09 M:	1 7	EV	enterganderation (cartesian Polar and	e Solving		PPT/video for solved example of probabilit function		s.	3/45
1:	2 11 M 16 M		5 gv	VECTOR INTEGRAL CALCULUS line integral, Surface integral, volun integral,Stroke's theorem,Gauss divergence theorem,Green's theorem,Application			PPT/video for solve example of mathematical exceptation	09.0	3	GAI

Faculty in Charge

HOD



				184					200	一个人的现在分词在对于大型的大型
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	lCT tools	Completion	Assignment/T utorial Date	HOD's sign
13	18 Mar- 23 Mar	5	TIL.	MULTIPLE INTEGRAL AND THEIR APPLICATION Elementary double integrals, Change of variable (simple trasformation), Change of order of integration (cartesian and polar)	Solving example	Text Book By D.T. Deshmukh Pg no.343 to 370	PPT	12-03		343
14	25 Mar- 30 Mar	6	ш	method to change given integration into polar form, Application of integration to find mass area volume and Centre of gravity of plane lamina, Elementary tripple integration	Solving example by dividing group	Text Book By D.T. Deshmukh Pi no.371 to 425	g PPT	13.03	,-	(3As
15	01 Apr- 8 Apr					Session	al II			

Faculty in Charge

HOD





Maharshi Karve Stroe Shirkshan Samstha's Equalization women for 11th years CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



LESSON & TEACHING PLAN

Pacult	v Name: Dr. S	hubhan	gi Bom	pilwar		Sub: Advanced Physics		First Year	(2018-19)	Sem:-
VEEK No.		No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no, Page no	ICT tools	Completio n Date	Assignme nt /Tutorial	HOD' s Sign
1	24-31Dec	1	1	Advanced Physics syllabus discussion		Text Book of Engineering		29/12		
2	1Jan-5Jan 19	4		Presentation on " Gravitational Waves"		Physics: M N Avadhanulu, P K Kshirasagar, 395-	Projector	111119		
				Introduction of Laser, Interaction of radiation with	Q-A	410&143-160		31/12/18		
				Absorption, Spontaneous emission and Stimulated emission; Difference				31/14		Mo
				Spatial & Temporal coherence, Principle and Characteristics of LASER	Group discussion] [21119	5/1/19	
	1			Pumping Schemes, Three & four level Lasers			Projector	2/1/19	31111	
	7-12 Jan	4	1	Working of He-Ne Laser ,Ruby LASER				3/1/19	,	
			1	Semiconductor Laser and Applications			prosector	511119	GVST	
2				Numericals	solving problems on	Problems in Physics M N Avadhanulu, 345-380		7/11/9	G vas	
	A SHIRT			Numericals	board by students			7/1119		
	14-19 Jan	4	1	Interference in thin films, Wedge shaped film	QUIZ	Text Book of Engineering	online.	811119		
			1	Newtons Rings, antireflection coating		Physics: M N Avadhanulu,		9,10/1/1	16/11	01
3				Numericals	1	P K Kshirasagar, 143-160		10/1	-	60
				Numericals		Problems in Physics M N Avadhanulu, 345-380		141!	ASS.I	
	21-25 Jan	3	II	Lorentz force, Motion of charged particles in uniform electric field	Lab activity CRT	Physics: M N Avadhanulu,		17/1/19	1	34
4	1			magnetic fields: parallel, perpendicular and at an acute angle		P K Kshirasagar, 43-58		22 1 1 1	4	
				Electrostatic and magnetostatic deflection.		L. I. Destinal		22,24/1	119	1
	28Jan-2 Feb	_	1			ıltural Festival		1	110	
	4-9 Feb	4		Effect of electric and magnetic fields on kinetic energy of charged particle,		1	l.	17,22 1	1117	1



Kinlind

Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

5				Crossed electric and magnetic field configurations Velocity filter,	gropu	Problems in Physics M N		5/119		
1				Numericals Numericals	discussion and solving	Avadhanulu, 345-380		5,6,7 2	T	3/6
\dashv	11-16 Feb	4	Ш	Test	1			19		1
				Bethe"s law.Construction & working of Electrostatic lens	BLAB			11/2	AS II	1
\neg				Electric and Magnetic focusing	MHH	Text Book of Engineering		12/2		3/2
7				CRT, Block Diagram, Function & working of each block.	7	Physics: M N Avadhanulu, P K Kshirasagar, 70-100	Projector	13/2		314
- 1				CRO,Block Diagram, Function & working of each			charts	23 2 19		
SELECTION OF THE PERSON OF THE	19-23Fe	h		sessional	J Mi	1 Term Test		25/2/19	F-256-1924	The state of the s
	25Feb-	3	1	Applications of CRO						
8	2March		1	Bainbridge mass spectrograph, Cyclotron.				2612		CAR
-	1	1	1	Numericals		Numericals: M N Avadhanulu, 319-324		27/2		Ow
	4March -9	3	1	Numericals		Avadianulu, 319-324		2/3	- 0 4	
9	March			Test				4/22	T, AT	tan
-	- Section Control	1	IV	Optical fibers: Propagation by total internal reflection	,	Text Book of Engineering		113/19		CM.
	12 March - 17March	4		, Modes of propagation in fiber, Attenuation and dispersion. Light sources and Detectors.		Physics: M N Avadhanulu, P K Kshirasagar, 698-725		913		
10	177VIIII CII	1	1	Acceptance angle, Numerical aperture,				7 3		GM
				Applications:various sensors				1413		-
	19March -	3		Numericals	-	Numericals: M N Avadhanulu, 381-430		13 3		
11	24March			TEST / Detectors.		Introduction to	projector-PPT			3M
		1		Introduction to nanoscience and nanotechnology, Classification of nano materials		Nanotechnology:Pooly &	projector 111	19/3		0"
	26March -	4	-	Synthesis of Nanomaterials, . e.g; Physical	-	Owens; Willey		2013		-10
	31March	-		VapourDeposition and Sol gel method.		Publication, Nanoscience		70,13		6AP
				Comparison of properties of nanomaterials with bulk	5 1	by T Pradip		1 20 3 119		
12				materials,		1181	1	1012	8	GM
				Zeolites, 2) Graphine,		= 0=				9.7
				Revision Sessional IT	Pre- Univers			A STATE OF THE PARTY OF THE PAR	100000	-

Sub. Teacher

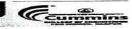
GVE

HoD

Hingna,
Hogper-441118



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Lab Practicals Plan Sem. II

Date: 24 / 12 / 2018

		CUMMINS COLLEGE OF	ENGINEERIN	G FOR WOMEN	, NAGPU	R			
aculty I	Name: Dr. S Bompilwar		Subject: Adva	nced Physics		for	Department: Allied science		Section: B
			9	Batch B2			Batch B1		
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remark
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	Determination of radius of curvature of Plano-convex lens by Newton's Ring Expt.		31/12/2018	31/12/18	~	3/1/2019	3/11/9	~	3/18
2	To determine the wavelength of Laser source by plane diffraction gratting.	Distance variation	07/01/19	7/11/19	/	10/1/2019	10/11/9	1	GN3
3	Determination of refractive index of prism		04/02/19	25/2/19	/	7/2/2018	7/3/19		6Vh
4	Determination of specific cgarge (e/m) of an electron by Thomson's method		11/02/19	112119	/	14/2/2019	7/2/19	_	GNP3
5	Determination of wavelength of sodium light by plane diffraction gratting		25/2/2019	14/1/19	/	28/2/19	17/119	/	GAS
6	Study of Cathode Ray Oscilloscope (CRO) and measurement of AC and DC voltages	Different values of input voltage	4/3/19	4/3/19	/	7/3/2019	2/3/19	1	6VH
7	Determination of phase difference and Frequency of electrical signals using CRO	Different values of resisrors and capacirors	18/3/2019	11/3/19	/	21/3/19	14/3/19	1	341

Sub. Teacher

HOD

Hingna,
Nagpur-441110



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



Lab Practicals Plan Sem. II

Date: 28 / 12 / 18

aculty I	Vame: Dr Sanjivani shastri	MINS COLLEGE	Subject:Adva			for	Departme science	nt: Allied	Section: A
				Batch A1			Batch A2		
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remark
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	DETERMINATION OF RADIUS OF CURVATURE OF PLANO-CONVEX LENS BY NEWTON'S RINGS	two sets have different radii	22/1/19	8/1/19		16/1/19	911)19		G/B
2	TO DETERMINE THE WAVELENGTH OF LASER SOURCE BY PLANE DIFFRACTION GRATING	variable distance	22/1/19	811/19		16/1/19	9/1/19		(N)
3	DETERMINATION OF THE REFRACTIVE INDEX OF PRISM		5/3/2019			6/2/2019			
4	DETERMINATION OF WAVELENGTH OF SODIUM LIGHT USING PLANE DIFFRACTION GRATIN		26/2/19	12/2/19		27/2/19	6/2/19		CNAT
5	STUDY OF CATHODE RAY OSCILLOSCOPE (CRO) AND MEASUREMENT OF AC AND DC VOLTAGES	variable input	12/3/2019			13/3/19			
6	DETERMINATION OF PHASE DIFFERENCE AND FREQUENCY OF ELECTRICAL SIGNALS USING CRO	variable input	26/3/19			27/3/19			
7	DETERMINATION OF SPECIFIC CHARGE (e/m) OF AN ELECTRON BY THOMSON'S METHOD		12/3/2019	12/2/19.		13/2/19	13/2/19		GNS

Faculty in charge

Page 1







CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/AS / 18-19

Date: 17 /12 / 2018 **LESSON & TEACHING PLAN for Adv**

D	LEWIA 101	Advanced	Physica
D	AND DESCRIPTION OF THE PARTY OF		, mysics

Facult	ty Name: Prof	Dr Sanjiv	ani sha	stri				Year: 2	2018-19	SEM II
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
1	24 -29 Dec 18	1	I	Interference in thin films, Interference in Wedge shape thin film,	Read aloud,Co relating daily life examples	Avadhanulu(323-	ppt	29/12/18 3/1/19		@w
2	31Dec -5 Jan 19	3	I	Newton"s rings, Anti-reflection coating and applications		325)A Text book of EP by Avadhanulu(142- 154:395-421)Edition	ppt	4)1/19		@W
3	7-12 Jan 19	3	I	Numericals	Group	No 14,Problems in Physics by Avadhanulu(192- 223) 4th edition		F/1/19		Cr.
4	14-19 Jan 19	3	I	Spatial and temporal coherence of a light wave, Quantum Transitions: Absorption, Spontaneous emission & stimulated Emission,Metastable states, Pumping schemes, Principle of laser,		Textbook of Optics by Avadhanulu(323- 325)A Text book of EP by Avadhanulu(142- 154:395-421)		10/1/19		Q.

COM

Faculty in Charge

GM HOD



Dr. Milind Khanapurkar

-83	EEK Week	No. Of Lect.	Uni No	Exact Topic Name & c., La.	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion	Assignment/ Tutorial Date	HOD's sign
5	21-25 Jan19	4	I	Numericlas	Solvey in groups	Problems in Physics by Avadhanulu(192- 223) 4th edition		14 1 1 1 9 17 1 1 1 9	Avoignment Tutorial 1	G/B
6	28 Jan -2 Feb 19	Annany Weeek								
7	4-9 Feb 19	3	п	Motion of charged particles in uniform ele& mag field Motion of electron in parallel & per fields, acute angle condition,		EP By Avadhnulu(43-69) Numericals in	1. w	19/1/19 19,21,22,2 Jan 19		(Nh
8	11-16 Feb 19	4	п	Effect of mag & electric field on KE of charged particles Velocity filter, cross field connetion and numericals		Physics by Avadhanulu(40- 117) 4th edition		5,7,8,12 14 Feb 19	Assignment Tutorial 2	CA!
,	18-23 Feb 19				Ses	sional I			Just C	
0	25 Feb -2 Mar 19	4	Ш	Bethe"s law, Electric and Magnetic focusing,			PPL	25 Feb		
1	4-9 Mar19	3	Ш	Construction & working of Electrostatic lens, CRT, CRO, Block Diagram, Function & working of each block,		EP by Avadhnulu(333- 359)14 th edition	PPH	4,59 much		@h
0	11-16 Mar 19	4	- 1	Modes of propagation in fiber, Acceptance angle, Numerical aperture, Attenuation and dispersion		EP By Avadhanulu(329-	ppt	11,13 16 mm		G &
1	18-22 Mar 19	3	17	Light sources and Detectors,As a Sensors - i) Temperature Sensor ii) Pollution / Smoke detector iii) Liquid,Numericals		- 379),Problems in Physics by Avdhanulu,14th edition	ppr	18,200 22 pm		G AS

3AS

aculty in Charge

GM

HOD



Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
25-30 Mar 19	4		Introduction to nanoscience and nanotechnology, Classification of nano materials, Synthesis of nano materials nanomaterials, 1) Zeolites, 2) Graphine Application of nanomaterials in engineering, Impact of Nanoscience and nanotechnology.		Intro to Nano by Poole(1,154)&Nano the essentials by Pradeep(3-9)edition no 1	ppt	25,27 30 mars		<i>⊕</i>
1April-8					Sessional II				

@W

(N)

୍ତା ulty in Charge

Hingna,
Nogper-441116

HOD

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's **CUMMINS COLLEGE OF ENGINEERING FOR WOMEN** Sharpening Engineering Acumen with a difference



Lab Practicals Plan Sem. II

iculty N	Name: Dr. Asha H. Gedam		Subject: Mat	erials Chem.		for	Dept: Allied	sci.	Section: A
				Batch A1			Batch A2		
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva	Planned Date		No. of Viva	HoD's Remar
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	Determination of flash and fire point using Pensky-Marten's apparatus		2/1/2019	2/1)19	١	1/1/2019	1/1/19	1	G/As
2	Determination of flash and fire point using Abel's- apparatus		9/1/2019	211119	1	8/1/2019	12/1/19	1	GNB
3	Determination of viscosity using Redwood viscometer		16/1/2019	2712/19	. 1	22/1/2019	22/11/19	1	6No
4	Determination of acid value		23/1/2019	6/3119.	1	29/1/2019	12/3119-	- 1	GVD
5	Determination of saponification value of oil		6/2/2019	612/19	1	5/2/2019	5/2/19	-	3 As
6	Determination of volatile matter of coal sample		13/2/2019	13)2/19	1	12/2/2019	12/21/9	1	
7	Determination of ash of coal sample		27/2/2019	27/2/19)	26/2/2019	5/3/19.	,	
8	Determination of moisture of coal sample		12/3/2019	13/3/11/19	1	13/3/2019	12/3/19.	1	

Faculty in charge

Page 1



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

HoD



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan Sem. II

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR Faculty Name: Dr. Asha H. Gedam Date: 29 /12 /2018 Subject: Materials Chem. Dept: Allied sci. Section: B Pi Batch B1 Name of experiment Planned Batch B2 No. of Viva Perform Date print Date Planned Date Perform possible Variations No. of Viva print done HoD's Remark Date 1 Determination of flash and fire print done fill fill print point using Pensky-Marten's fill 7/1/2019 fill fill 31/1/19 3/1/2019 apparatus 3/1/19 2 Determination of flash and fire GAS 21/1/2019 point using Abel's- apparatus 7/1/19 10/1/2019 10/1/19 GAS 3 Determination of viscosity 1 using Redwood viscometer 28/1/2019 1411119 17/1/2019 4 Determination of acid value 14/2/19 GAS 4/2/2019 11/3/19 5 Determination of 24/1/2019 1413119 11/2/2019 saponification value of oil 11/2/19 7/2/2019 Determination of volatile 7/2/19 6 6/1 matter of coal sample 18/2/2019 11/2/19 21/2/2019 Determination of ash of coal 7/3/19 7 sample 25/2/2019 413)19 7/3/2019 Determination of moisture of 8 713119 18/3/2019 coal sample 18/3/19. 14/3/2019 14/3/19

Subject teacher

H.O.D. (5) AS

Way



Dr. Milind Khanapurkar Principal

Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Mahars Karve Stree Shikshan Samstra's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accord with a difference

CCOEW/AS / 18-19

Date: 29/12 / 2018

						r Materials Chemistry				
-				De	partment of Alli	ed Science				
aculty	Name: Dr. A	Asha H. Ge	dam					Year:	2018-19	Sem:- II
NEEK No.	Week	No. Of Lect.	Unit No.	and a subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T	HOD's sign
1	1-5 Jan	3		Introduction: higher and lower calorific value, Determination of calorific value by Bomb and Boys gas calorimeter.	Lab. Demonstration	Jain & Jain 55-60, Fifteenth edition (2013)		2/1/10	alonal bate)
2	7-12 Jan.	3		Numerical based on calorific value determination, Numericals on Dulongs formula, composition, properties and limitations of biodiesel	Solving the numericals by students	Jain 61-68, Fifteenth edition (2013), Dara 150, First edition (2010)		בונונוו	e।(।।e	5
3	14-19 Jan.	3		Composition, properties, advantages, limitations of LPG, CNG., Non conventional energy resources and their applications, advantages and disadvantages, significance of	Lab experiments	Jain & Jain , 83-91, Fifteenth edition (2013)		19/1/19		(ONS
4	21-26 Jan.	3		proximate and ultimate analysis. Rocket propellants: Principle and classification of propellants, Liquid fuels, fractional distillation of crude petroleum	Filling of data by students using	Jain and Jain 72-82 , Fifteenth edition (2013)		25/1/19		<u> </u>
5	28-31 Jan			oil,						
6	1-2 Feb			1		Ananya			-	

Faculty in Charge

HOD (N)



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching	Refrence Book Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	
7	4-9 Feb.	3		Use of gasoline and diesel in internal combustion engine, knocking of fuel, Octane number and cetane number	QA, for differentiation by students	Dara 126-127, First edition (2010) , Jain & Jain 99-111, Fifteenth edition (2013)		6/2/19),
				Doping agents and fischer tropsch process.,	https://www.youtu be.com/watch?v=- I_UtU7zYs0			7/2/19		7
				Numericals based on combustion calculations	Solving the numericals by students			7/2/19	7/2/19	GNF
8	11-16 Feb.	4		Numericals based on combustion calculations	Solving the numericals by students			14/2/19	2	
				Cracking of petroleum-principle, types, catalyst used, advantages,	https://www.youtu be.com/watch?v=H P6DPc2RXKQ		1	3/2/19	7	
				Lubrication introduction and types, mechanisms- hydrodynamic,	https://www.youtu be.com/watch?v=W eH3CUvdt_s		,	5/2/19	7	3/hr
				Thin film and extreme pressure lubrication	https://www.youtu be.com/watch?v=et 0NWu1Hurk			15/2/19		
9	18-23 Feb.			Sessional I				-1-1.5		
10	25-28 Feb.	3		Biodegradable lubricants- Properties, applications, advantages and limitations, classification of lubricants, solid, semisolid and liquid lubricants.	Quiz	Jain, 430-434 Fifteenth edition (2013) and S.S. Dara First edition (2010)	2	27/2/19.		3/A
1	1-2 Mar.	1		Synthetic lubricants- Silicones, Lubricating emulsions, Properties of greases, drop point and consistency test	Lab performance	Jain & Jain, 434-444, Fifteenth edition (2013)	+		2)3)19	(NA)
cul	lty in Cha	/ /				HOD	5	43119.		

college of Engine

Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

No.		No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Boo Chap no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
12	4-9 Mar.	3		Properties of liquid lubricants: Acid value, saponification number,	Lab. Experiments	Jain & Jain, 438-446, Fifteenth edition (2013)		41319		BAS
				flash and fire point, viscosity and viscosity index, Aniline point, Cloud and pour point,	Lab. Experiments			613119		GMI
				Criteria for selection of lubricants, Biodegradable polymers	Que-Ans			813119		GAS
13	11-16 Mar.	4		Properties and applications- polylactic acid (PLA) and polycaprolactone(PCL), Conducting polymers- polyaniline, polypyrolle, composite materials, particle reinforced and fibre reinforced, LCP		Jain & Jain, 173-181, Fifteenth edition (2013)	PPT .	11 12	16/3/19.	GAS
14	18-23 Mar.	3		Nanomaterials- definition nano scale, carbon nano tubes, types and difference between single wall NT, Multi wall NT, application of nanomaterials in			PPT -	18/3)19	_	GAS
				medicine, environment and electronics		P. Adkine 131-136 First edition-		19/3)19		0.
				Nanomaterials- definition nano scale, carbon nano tubes, types and difference		2013	PPT	23/3/19		005-50/0/1
5	25-26 Mar	1	a	netween single wall NT, Multi wall NT, pplication of nanomaterials in nedicine, environment and electronics				23/3/19		S. A.
2	27-30 Mar.		In	iternal practical examination						

Faculty in Charge

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Worken Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samsaka's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



			Lah Pr	acticals P	lan (Revisio	on 1)				ear 2018-1	17/11/12
				acticais i	5	ubject: Works	hop Practice BE First	Year II nd Sen	1	Departn	
		Prof. Yogesh Dan	аекаг			I I	•			Sectio	n: B1
	No of Batches:						Batch # 3 & 4				
Sr.	Name of Experiment	Batch # 1 & 2 Planned Date	Perform Date	No. Journals received	No. of Viva	Name of Experiment	Planned Date	Perform Date	No. Journals received	No. of Viva done	HoD's Remark
	ZAP CHARACTER	(Batch B19)TUE		received			(Batch B10-14)TUE				AM
	1	01/01/2019	01/1/19	98			01/01/2019	01/1/19	08		3/8
	1	08/01/2019	011.111				08/01/2019	,			
1	Fitting	15/01/2019				Smithy	15/01/2019				
1	Fitting	22/01/2019					22/01/2019				
		05/02/2019					05/02/2019				
		(Batch B紫蝎TUE			-		(Batch B19-14)TUE				
	1	01/01/2019	01/1/19	09		T	01/01/2019	01/1/19	04		als
		08/01/2019	911111	1		i -	08/01/2019		- 1		0.00
2	Carpentry	15/01/2019				Welding	15/01/2019				
2	carpentry	22/01/2019					22/01/2019				
		05/02/2019					05/02/2019				
_		(Batch B1-4)TUE					(Batch B10-14)TUE				
	l †	12/02/2019	12/2/19	09		T	12/02/2019				
	l 1	19/02/2019	12/2/1			I T	19/02/2019				
3	Carpentry	26/02/2019				Welding	26/02/2019				
-	our pentry	05/03/2019					05/03/2019				
		12/03/2019					12/03/2019				
-		(Batch B ™9)TUE		-			(Batch B19-28)TUE	-	-		(SA)
	1	12/02/2019	12/2/19	09		1	12/02/2019	12 2119	09		Oko
- 1	-	19/02/2019	1-1-1-1				19/02/2019	1	-		
1	Fitting	26/02/2019				Smithy	26/02/2019				1-12/12/2
1		05/03/2019					05/03/2019				
		12/03/2019					12/03/2019				



Dr. Millind Khanapurkar
Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummine College of Engineering for Women
Hingna, Nagpur-441110.

			Lab Pr	acticals P	lan (Revisi					ear 2018-1	19
		: Prof. Yogesh Danc	dekar		S	ubject: Works	hop Practice BE First	Year II nd Ser	n	Departn	nent: A
	No of Batches									Section	n: B2
		Batch # 1 & 2					Batch # 3 & 4	_			
Sr. No	Name of Experiment	Planned Date	Perform Date	No. Journals received	No. of Viva done	Name of Experiment	Planned Date	Perform Date	No. Journals received	No. of Viva	HoD's Remark
		(Batch B19-22)WED	1				(Batch B27-30)WED				
		02/01/2019	02/1/19	09		1	02/01/2019	02/1/19	09		31
		09/01/2019	031.44	,			09/01/2019	1			0
1	Smithy	16/01/2019				Fitting	16/01/2019				
		23/01/2019					23/01/2019				
		06/02/2019	06 2 19	09			06/02/2019				
_		(Batch B23-26)WED	-				(Batch B31-35)WED				
		02/01/2019	02/1/19	09			02/01/2019	02/1/19	09		(3V8)
		09/01/2019		1			09/01/2019	1-1.11	-		(310)
2	Welding	16/01/2019				Carpentry	16/01/2019				
		23/01/2019					23/01/2019				
		06/02/2019	6/2/19	09			06/02/2019				
		(Batch B19-22)WED					(Batch B27-30)WED	-			
		13/02/2019	17/2/19	09			13/02/2019	13 2 1 19	09		
		20/02/2019					20/02/2019	-	-)		OAT.
3	Welding	27/02/2019				Carpentry	27/02/2019	-			
		06/03/2019	6/3/19				06/03/2019	06/3/19			
		13/03/2019	-				13/03/2019	13/2/19			
		(Batch B23-26)WED					(Batch B31-35)WED	- /			
		13/02/2019				-	13/02/2019	13/2/19	09		ON
		20/02/2019				H	20/02/2019	151211	07		BAY
4	Smithy	27/02/2019				Fitting	27/02/2019		-		
		06/03/2019	6/3/19				06/03/2019	08/3/19			
1		13/03/2019	13/3/19			T	13/03/2019	/3///		-	_
			- 11								

Lab-Incharge (Mech.Engg.)

G/W



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.





Year 2018-19

				L	ab Practica	ls Plan (Revisi	on 1)			Desarte	AC
	Faculty Name:	Prof. Yogesh Dand	ekar		S	ubject: Works	hop Practice BE First	rear II nd Sen	1	Departm	
	No of Batches	: #4								Section	n: AI
		Batch # 1 & 2					Batch # 3 & 4				
Sr. No	Name of Experiment	Planned Date	Perform Date	No. Journals received	No. of Viva done	Name of Experiment	Planned Date	Perform Date	No. Journals received	No. of Viva done	HoD's Remark
		(Batch (A1)1-4)MON					(Batch (A1)10-14)MON				
		31/12/2018					31/12/2018				
		07/01/2019	07/1/19	09			07/01/2019	07/1/19	09		3/15
1	Fitting	14/01/2019	1 / / / /			Smithy	14/01/2019	14/1/111	09		200/18/2003
		21/01/2019					21/01/2019				
		04/02/2019					04/02/2019				
_		(Batch (A1)5-9)MON					(Batch (A1)15-18)MON				
		31/12/2018	_				31/12/2018				
		07/01/2019	07/1/19	09			07/01/2019	07/1/19	04		GV
2	Carpentry	14/01/2019	04/1///	,		Welding	14/01/2019				
-	Carpentry	21/01/2019					21/01/2019	-			
		04/02/2019					04/02/2019				
		(Batch (A1)1-4)MON					(Batch (A1)10-14)MON				
		11/02/2019					11/02/2019	11/2/19	09		6A)
		18/02/2019				0	18/02/2019	1	1		ON
3	Carpentry	25/02/2019				Welding	25/02/2019				
-	ou.pent.y	11/03/2019					11/03/2019				
		18/03/2019					18/03/2019				
-		(Batch (A1)5-9)MON					(Satch (A1)15-18)MON				
		11/02/2019					11/02/2019	11/2/19	09		(34)
- 1		18/02/2019					18/02/2019				0.
4	Fitting	25/02/2019				Smithy	25/02/2019				
-		11/03/2019					11/03/2019				
- 1	H	18/03/2019					18/03/2019				



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.

			Lab Pr	acticals P	an (Revisio	on 1)			-	ear 2018-1	.9
	Faculty Name:	Prof. Yogesh Dano	lekar		S	ubject: Worksh	nop Practice BE First	Year II nd Sen	n	Departm	nent: AS
	No of Batches		T				•			Sectio	n: A2
		Batch # 1 & 2					Batch # 3 & 4				
Sr. No	Name of Experiment	Planned Date	Perform Date	No. Journals received	No. of Viva done	Name of Experiment	Planned Date	Perform Date	No. Journals received	No. of Viva done	HoD's Remark
		(Batch A19-23)FRI					(Batch A29-32)FRI				
	1	04/01/2019	04/1/19	04			04/01/2019	04/1/19	09		(3WS
		11/01/2019	11/11/19	09			11/01/2019				
1	Smithy	18/01/2019	18/1/19	09		Fitting	18/01/2019				
		25/01/2019	1				25/01/2019				
		08/02/2019	8/2/19	09			08/02/2019				
_		(Batch A24-28)FRI					(Batch A33-37) FRI				
		04/01/2019	04/1/19	09			04/01/2019	04/17/19	09		30
		11/01/2019		1			11/01/2019		100		
2	Welding	18/01/2019				Carpentry	18/01/2019	1.8/1/19	09		al.
		25/01/2019				CLASSIC SHIP AND LINES.	25/01/2019				3 W
		08/02/2019					08/02/2019	8/2/19	09		CAN.
_		(Batch A1-10)FRI					(Batch A21-30)FRI	1			
		15/02/2019					15/02/2019				
		22/02/2019	22/2/19	71	1		22/02/2019	22 /2/19			
3	Welding	01/03/2019				Carpentry	01/03/2019				
		08/03/2019					08/03/2019				
		15/03/2019					15/03/2019				
		(Batch A11-20)FRI					(Batch A31-40) FRI				
		15/02/2019					15/02/2019				
		22/02/2019	22/2/19				22/02/2019	22/2/19			
4	Smithy	01/03/2019				Fitting	01/03/2019	1 ' ' '			
		08/03/2019				100	08/03/2019				
		15/03/2019					15/03/2019				
		^									

Lab-Incharge(Mech.Eng.)

100 CAS



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE / 18-19

Date: / / 2018

	0.000	- State Del		LESSOI	N & TEACHI	NG PLAN	THE PROPERTY OF THE PARTY OF TH		Sect	ion -A
				CUMMINS COLLEGE O	F ENGINEERIN	G FOR WOMEN,	NAGPUR			
Facult	y Name:	Prof. Priy	/adarsh	ini Ramteke		Subject: 100		SEM .	(2018- L9)	Sem:- EVEN
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	31 Dec - 5 Jan	2		Concept of Culture and Civilization				1/1/9	Processor Control	GVS
2	7 Jan - 12 Jan	2	L	Applied Humanities and Social Engineering, Right to Information(RTI), Public Interest Litigation (PIL), Intellectual Property Rights(IPR) & Patents, Lokpal and Lokayukta.	Groupwise Seminar			15/3/19 14/3/19 14/3/19 22/3/19		@B
3	14 Jan - 19 Jan	2	II	Meaning and Scope of Industrial Psychology and Industrial Sociology, Fatigue, Selection and Training of Workers	Open Book Test on these topics by giving some general questions			4/1/119 17/1/19		345
4	21 Jan - 26 Jan	2		Motives for Work in Industry, Transactional Analysis.	2. CASE STUDY DISCUSSION			29/1/19		GAS

Samble

Hingna,
Hogper-441110

Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE / 18-19

Date: / / 2018

Scotion-B

LESSON & TEACHING PLAN

Faculty	Name:	Prof. Priy	adarshi	ni Ramteke		Subject: 18		SEM TEE P		Sem:- EVEN
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	31 Dec - 5 Jan	2		Concept of Culture and Civilization				31/17/18	A CONTRACTOR OF THE CONTRACTOR	GVB
2	7 Jan - 12 Jan	1 7	1	Applied Humanities and Social Engineering, Right to Information(RTI), Public Interest Litigation (PIL), Intellectual Property Rights(IPR) & Patents, Lokpal and Lokayukta.	Groupwise Seminar	*		9/9/19		(3A)
3	14 Jan - 19 Jan	2	11	Meaning and Scope of Industrial Psychology and Industrial Sociology, Fatigue, Selection and Training of Workers	Open Book Test on these topics by giving some general questions			7/1/19 8/1/19 8/1/19		GA1
4	21 Jan - 26 Jan	2		Motives for Work in Industry, Transactional Analysis.	2. CASE STUDY DISCUSSION			14/1/19		⊙V b



Dr. Milind Khanapurkar

Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

6	4 Feb - 9 Feb	2		Sustainable development, Professional Ethics	Seminar	18/3/19	OM
7	11 Feb - 16 Feb	2	111	Organizational Behavioral Dynamics: Leadership in Industry		27/1/9	3AJ
8	18 Feb - 23 Feb		#20 10 10 10 10 10 10 10 10 10 10 10 10 10 1	The state of the s	SESSIONAL - I		
9	25 Feb - 2 Mar	2		Indian Constitution and Federal System	Quiz on the topics	11/2/19	GAD
10	4 Mar - 9 Mar	2	IV	Fundamental Rights and Directive Principles.	Quiz on the topics	12/2/19	GAS
11	11 Mar 16 Mar	2		Role of Bureaucracy in Modern Society, Industrial Democracy		4/3/19	GAS
12	18 Mar 23 Mar	2	1	Works Organization: Power, Authority and Status System; Formal and Informal Organization		11/3/19	GNT
13	25 Mar 30 Mar			Industrialization and Urbanization: Study of Slums		14/3/19	GH
17	7 1 Apr - 8 Apr				SESSIONAL - II		

Sombeka



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





	Name: Prof.			ey	ent of Allied Subject: Engi (BESII-4T)	neering Mechanics		SEM: SECON	Sem: EVEN	
Week NO.	Week	No. of Lect	Unit No.	Exact Topic Name and Subtopic	Activity/ Teaching Aid	Reference Book – Chapter no. Page no. Edition no.	ICT tools	Completion Date A & B	Assignment/ Tutorial Plan	HOD's Sign
01	29-12-18 to 30-12-18	1	I	Unit - I : Important Vector Quantities: Position-vector		Vector mechanics for engineers by Beer Johnston edition 9 Chapter 2; pp 17-20	PPT Video Lect	29/12/19 -A&B		34
02	31-12-18 to 6-1-19	5	I	moment of a force about a point about an axis, couples, couple moment as a free vector.	Demo of Moment concept using simple things	Engineering mechanics statics and dynamics by Singer edition 3 chapter 2 pp 16-74	PPT Video Lect	31/12/19 2/11/19 A&B		
03	7-1-19 to 13-1-19	4	п	Equivalent force systems: Resultant of a 2 dimensional distributed loads	Group discussion for different		PPT Video Lect	1711119-A 1611/19-B	Assignment 1	(Np
04	14-1-19 to 20-1-19	5	11	UNIT - II: Equations of Equilibrium: Free body diagrams, Equations of equilibrium of coplanar concurrent and Non-concurrent systems.	force system and their resultants in our daily life.	Engineering mechanics statics and dynamics by Singer edition 3 chapter 3 pp 91-118	PPT Video Lect	23/119-A 19/119-B 312/19-A 6/2/19-B		3M

1

GNS

Profee Rashmi Bharatey



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-44110.

Week No.	Week	No. of Lect	Unit No.	Exact Topic Name and Subtopic	Activity/ Teaching Aid	Reference Book – Chapter no. Page no. Edition no.	ICT tools	Completion Date	Assignment/ Tutorial Plan	HOD's Sign
05	21-1-19 to 27-1-19	4		Analysis of simple pin jointed frames by method of joints method of sections.	Observation of truss in workshop	Chapter 4 Pp – 137-184	PPT Video Lect	12219-A 17219-B		G/h
	18-2-19 To	22-2-19		Cultural week						
06	4-2-19 to 10-2-19	5		Friction forces: Law of Coulomb friction, problems involving dry friction, simple applications like wedges and band brakes.	Simple activities using sandpaper wood etc. to understand friction	Chapter 5 Pp – 195-238	PPT Video Lect	161219-B	Assignment 2	G/b
07	11-2-19 to 17-2-19	4		Resultant of three-dimensional general force system Wrench. General spatial force system.		Engineering mechanics by Timoshenko edition 4 chapt 2-5 pp 16-357	PPT Video Lect	28/2/19-A 6/2/19-B	•	GVA9
08	25-2-19 to 3-3-19	5		Unit - III: Introduction of Virtual work theorem: Principle of Virtual work applied to equilibrium of Mechanisms, simple beam, Pin jointed frames.		Vector mechanics for engineers by Beer Johnston edition 9 Chapter 10; pp 556-564	PPT Video Lect	1213/19-A 26/2/19-B		GAI
09	4-3-19 to 10-3-19	5		Unit -IV: D'Alembert,,s Principle, work Energy method, (Expressions based on center of mass).	Activity using ball and container to understand impact	Engineering mechanics statics and dynamics by Singer edition 3 chapter 14,15 pp 689-814	PPT Video Lect	18/314-B	Assignment 3	GAT
10	11-3-19 to 17-3-19	4		Elastic impact of two bodies, Direct central impact				23/3/19-A 22/3/19-B		(N)

2

GNS

SEJOU BOOF RASHINI BHARTATES



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

Week No.	Week	No. of Lect	Unit No.	Exact Topic Name and Subtopic	Activity/ Teaching Aid	Reference Book – Chapter no. Page no. Edition no.	ICT tools	Completion Date	Assignment/T utorial Plan	HOD's Sign
11	18-3-19 to 24-3-19	4		Centriods and Moments of Inertia: Second Moment and products of inertia of plane areas, Moment of inertia of masses	Understandi ng concepts using wheel,ball and other	Engineering mechanics statics and dynamics by Singer edition 3 chapter 6,7 pp 241-337	PPT Video	5/3/19-B	Assignment 4	(N)
12	25-3-19 to 31-4-19	5		Transfer theorems for moment of inertia and Product of inertia, Polar moment of inertia, Principal axes, Mohr"s circle of inertia	simple things		PPT Video	10/3/197		@M

GAR

Date: 4/1/20189

Prof Rashmi Bharatey

3



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference

Cummins

CCOEW/CE / 18-19

Date:30/7/2018

LESSON & TEACHING PLAN

				CUMMINS COLLEGE	OF ENGINE	ERING FOR WOM	IEN, NAGPUR			
aculty	Name: Prof	. Sneha Ui	tarwar			Subject: Applied Maths I		The second secon	ied Science. 18-19)	Sem:- ODD
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	30 July- 04 Aug	4		MATRICES Inverse of Matrix by adjoint method Inverse by Partitioning method	Solving example	Engineering Mathematics Shobhane & Tembhekar Pg. no. 2.1 to 2.17	PPT/video to solve inverse by adjoint method	02 08 B		GNS
2	06 Aug- 11 Aug	6		Rank of Matrix Solution of system of linear equations Consistency of linear system of equations Tutorial 1	Solving example	Engineering Mathematics Shobhane & Tembhekar Pg. no. 2.18 to 2.37	PPT/video for consistency of linear equation	७ ६ न्स्र ।ऱ		BAS
3	13 Aug- 18 Aug	5		COMPLEX NUMBER Cartesian and polar form of compex numbers Demoiveres theorem Hyperbolic function and their inverse Logarithm of complex quantities Tutorial 2	Solving example	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 315 to 354/362 to 392	PPT/video for defination of complex number,modulus,argu ment	18/03/18		SA
4	20 Aug- 25 Aug	5	п	DIFFERENTIAL CALCULUS Defination and Notation, The nth derivative of standered function Partial Fraction Method of finding nth derivativ of rational function Leibneitz Rule (nth detivative)	Solving example	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 1 to 26	PPT/video for solved example of leibneitz rule	as 1:08/1	3	6Mz

Hingna, Hagpur-441118

Kinlind Dr. Milind Khanapurkar

Principal
Maharshi Karve Stree Shikshan Sanstha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.

NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
5	27 Aug- 01 Sept	6	ш	Taylors Theorem , Maclaurins Theorem Indeterminate Forms Radius of curvature of cartesion curve Center of Curvature Tutorial 3	Solving example	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 27 to 68	PPT/video for solved example of indeterminent	เปองเห		GW)
6	03 Sept- 08 Sept		III			Session	nal I			
7	10 Sept- 15 Sept	5	IV	PARTIAL DIFFERENTATION Function of several variable, first and higher order derivative Euler's Theorem chain rule and total diferential co-efficient	Solving	D.T. Deshmuk 19. Mo - 22 4 b 248	PPT / video horsolved enampled chan she	211 916		€/A
9	17 Sept- 22 Sept	5		Jacobians Taylors and Maclaurins series of two variable, Maxima and Minima of function of two Variable Lagranges method of undetermined multipliers Tutorial 4	solving	D-T. Deshmul payen 281- 325	ppt wed for concept of manima minima	24)eg n		G/R
8	24 Sept- 29 Sept	6	īv	DIFFERENTIAL EQUATION- I First order first degree differential eqation linear Differential eqation Reducible to linear	Slowy	D-T. Deshmuu page. Ho- S-70 to S-9 2-	poptwed francules	29 / og 11		GN)
1.0	01 Oct- 06 Oct	5	v	Exact Differential eqation Equation Solvable for x,y,p Tutorial 5	11	DT. Deshmui	11	03/10		3Nr
0	e.bc				77.	593 to 612	GA.			

Shubbs Faculty in Charge

HOD



Hingna,

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Worsen Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samsti d's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accomen with a difference

Cummins

CCOEW/CE / 18-19

Date: / / 2018

LESSON & TEACHING PLAN

aculty	Name: Prof	. Pravin G	orantiwa	CUMMINS COLLEGE		Subject: Applied Maths I		SEM I Alli	Sem:- ODD	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	30 July- 04 Aug	4	ш	MATRICES Inverse of Matrix by adjoint method Inverse by Partitioning method	Solving example by dividing group	Engineering Mathematics Shobhane & Tembhekar Pg. no. 2.1 to 2.17	PPT/video to solve inverse by adjoint method	03/08		GVB
2	06 Aug- 11 Aug	6	m	Rank of Matrix Solution of system of linear equations Consistency of linear system of equations Tutorial 1	Solving example	Engineering Mathematics Shobhane & Tembhekar Pg. no. 2.18 to 2.37	PPT/video for consistency of linear equation	07/08	07/08	GN&
3	13 Aug- 18 Aug	1 5	VI	COMPLEX NUMBER Cartesian and polar form of compex numbers Demoiveres theorem Hyperbolic function and their inverse Logarithm of complex quantities Tutorial 2	Solving example by dividing group	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 315 to 354/362 to 392	PPT/video for defination of complex number,modulus,argu ment	16/08	16/08	6/ks
4	20 Aug- 25 Aug	1 7	I	DIFFERENTIAL CALCULUS Defination and Notation, The nth derivative of standered function Partial Fraction Method of finding nth derivativ of rational function Leibneitz Rule (nth detivative)	Solving example	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 1 to 26	PPT/video for solved example of leibneitz rule	23/08		€ GAB

Kingna, Hagpur-441116

Kinlind

Dr. Milind Khanapurkar Principal Maharshi Karvo Stree Shikshan Sanstha's Cummins College of Engineering for Worken Hingna, Nagpur-441110.

							VIII 8	AND WILLIAM STORY		
WEEK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book Chapter no. Page no, edition. No	(CT tools	Completion Date	Assignment/T utorial Date	HOD's sign
5	27 Aug- 01 Sept	6	I	Taylors Theorem , Maclaurins Theorem Indeterminate Forms Radius of curvature of cartesion curve Center of Curvature Tutorial 3	Solving example	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 27 to 68	PPT/video for solved example of indeterminent	12/09	09/10	S/H
6	03 Sept- 08 Sept					Session	nal I	1		
7	10 Sept- 15 Sept	5	III	PARTIAL DIFFERENTATION Function of several variable, first and higher order derivative Euler's Theorem chain rule and total diferential co-officient	Solving example by dividing group	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 223 to 260 (Vol2)	РРТ	21/19		GN S
9	17 Sept- 22 Sept	5	ш	Jacobians Taylors and Maclaurins series of two variable, Maxima and Minima of function of two Variable Lagranges method of undetermined multipliers Tutorial 4	example	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 273 to 328 (Vol2)	РРТ	०५)७		GHS
8	24 Sept- 29 Sept	6	īv	DIFFERENTIAL EQUATION- I First order first degree differential eqation linear Differential eqation Reducible to linear	Solving example	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 555 to 592 (Vol2)	PPT/video for solved example of first order	07/10		GNB
10	01 Oct- 06 Oct	5	īV	Exact Differential eqation Equation Solvable for x,y,p Tutorial 5	Solving example	Pg. no. 593 to 621 (Vol2)	PPT/video for solved example of exact diff. equation	10/10		GAS

Faculty in Charge

HOD





Dr. Millind Khanapurkar Principal Maharshi Karve Stres Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
11	08 Oct- 13 Oct	5	v	DIFFERENTIAL EQUATION- II Higher order differential equation with constant coefficient up to method of variation of parameters.	Solving example	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 671 to 721(Vol2)	PPT/video for solved example of higher order diff. equation	20/10	:	GNS.
12	15 Oct- 20 Oct	5	v	Cauchys and Legenders homogeneous differential equation	Solving example	Pg. no. 721 to 731 (Vol2)		22/to		3H
13	22 Oct- 27 Oct	6	v	Differential equation of the special type Application Tutorial 6	Solving example by dividing group	Text book of Engineering Mathematics D.T.Deshmukh Pg. no. 781 to 791 (Vol2)	PPT	02/11		GNF
14	29 Oct- 03 Nov	6		REVISION				10		
14	12 Oct- 17 Nov					Sessional II	43			

Faculty in Charge

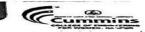


HOD

Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Lab Practicals Plan

CCOEW/	Department of	Allied Science
--------	---------------	----------------

_		Science							Date: 1 / 8	/ 2018
Dr.	S.Bompilwar	Engg. Physic	:s	SEN	M I		Departmer	nt: AS	Section:B	
		10	Batch	B 1			Batch	B 2		
Pi	Name of experiment	Planned Date	Perform Date	No. Journals received	No. of Viva done	Planned Date	Perform Date	No. Journals received	No. of Viva done	HoD's Remark
ori	print	print	fill	fill	fill	print	fill	fill	fill	fill
1	V-I characteristics of Semiconductor diodes	10/8/2018	10[8	~	~	1/8/2018	1/8	~	1	3As
2	Input, output and current transfer characteristics of NPN transistor in CE mode	17/8/2018	17/08	/	/	8/8/2018	8/8	/	/	6As
3	V-I characteristics of Zener diodes.	24/8/2018	26/8	/		29/8/2018	28 8	/	/	GA⊅
4	Input, output and current transfer characteristics of NPN transistor in CB	14/9/2018	14/9	_		12/9/2018	1219	-	~	as
5	Study of Diode as a rectifier	21/9/2018	19/10	-	/	19/9/2018	24/10	~		GA#
6	Study of LED	12/10/2018	219	_	/	10/10/2018	डाशाह	/	~	GVB
7	Determination of band gap Energy of Semiconductor	19/10/2017	28/9	/	/	17/10/2017		/		GHS

Sub. Teacher

GV/s



Dr. Millind Khanapurkar Principal Maharshi Karve Stres Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi & prve Stree Shikshan Samsth CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accomen with a difference



CCOEW/AS / 18-19

					Department of	Allied Science				
aculty	Name: Pro	f. Dr. Shub	hangi B	ompilwar	Sub: Enginee	ring Physics	Sec: B	Year:	2018-19	Sem:- I
WEEK No.	Week Lect. No. Exact Topic Name & Subtopic				Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	The state of the s	Completion Date	Assignment/ Tutorial Date	HOD's sign
1			Ш	Introduction of Crystal Structure, meaning of lattice & basis,	PPT		projector	1/8)18		345
	1-4/8/18	3		Unit cell: primitive and non primitive unit cell; cell characteristics of SC		Text Book of Engineering	charts	218/18)
				BCC and FCC structures		Physics: M N		3 8 8		
2			1	Miller Indices	planes on boa	Avadhanulu, P K Kshirasagar,		8 8 18		7-11
	6-11/8/18	3		Inter-planar distance between adjacent planes, Relation between d and (hkl)		3 chand publica	1	10 8 18	1 of 18 (1)	J GAS
				Bragg's Law		2010.		10/8/18	1	
3					numerials	Numericals: M N Avadhanulu, 345-	chalk-board	11/8/12	1118/18	
	13-18/8/18	3		Numericals	students	380		11 8 1 18	17	6 Vb
				TEST				1718118	IJ	
4	20-25/8/18	2	I	Introduction of Quantum mechanism, comparison with Newtonian mechanics, Plank "s Hypothesis, Properties of Photons.				16 8 18		
				Compton effect	PPT	Text Book of Engineering	projector	16/8/18		GND
5				Wave particle Duality, De-Broglie hypothesis, its applications		Physics: M N Avadhanulu, P		2018118		
Facu	27-31/8/18 Ilty in Cl	arge		Matter wave, Bohr's Quantization condition.		K Kshirasagar, 305-360	нор	23/2/18		



Date: 31/ 7 / 2018

Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Stacopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
				Davisson - Germer Experiment	PPT		projector	24/8/18		
6	1-7/9/18					Sessional I				
7	10-15/9/18	2		Numericals	1	Numericals: M N		27 8 18	1 FZ	T
	10-15/9/18	2	1	Numericals		Avadhanulu, 252- 324		29 18,30	T-2	OND
9				TEST on unit I				3) 18		1)
			II	Concept of Group and phase velocities, their relation				14)9118		1/
	17-22/9/18	4		Wave packet, Heisenberg"s uncertainty principle, Thought		Text Book of Engineering		1019		17
				Wave function and its probability interpretation, Schrödinger"s Time	seminar	Physics: M N Avadhanulu, P	chark- board	18,19 19		
10	24-29/9/18			Solution of Schrödinger"s equation for one dimensional infinite potential		K Kshirasagar, 356-378	-n_	21/1/18	AS; 2	(M
		3		Barrier Tunneling., Numericals	video	Edition-2010		22/9/18)
				Numericals		Numericals: M N		26/9	T ₃	1
11	1-5(9/18			Numericals		Avadhanulu, 252-		2719		
		3		Revision		324		-		1
				Test				-		OA.
12	8-12/9/18			Introduction to semiconductor physics,Qualitative idea on the				28 9		- SNA
- 1		3		band diagramof Li, SI, Ge				29/9		
				Intrinsic and Extrinsic semiconductors			-	3)10		
13	15-19/9/18			Fermi-Dirac distribution function				3)16	1	
		3		Intrinsic semiconductors , derivation of ni, EF		Text Book of		1110		
acul	ty in Cha	arge					HODGA	•		•



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & St. Copic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition: No	ICT tools	Completion	Assignment/ Tutorial Date	HOD's sign
				Extrinsic semiconductor band dia and conductivity		Engineering Physics: M N Avadhanulu, P		2/10/18		R
14				Hall effect, Hall coefficient & Hall Angle,		K Kshirasagar, 356-378		12/10	12/10/18	/
	(0			Numericals				1213 10		1
	22-26/9/18	4		PN- junction diode; eq. of potential barrier, Vo				15/10		END
				Band diagram of p-n diode at equilibrium, and biased				15-17110		12/12
15	29/9-2/10/18			Characteristics of tunnel diode, zener diode, LED				19/10		þ
	24/10/12	3		Basics of Transistor, band dia. of pnp and npn				20-26/1		
	2/11/18			Numericals		Numericals: M N Avadhanulu, 381-		26/10		
16						Sessional II				

Sub. Teacher,

Hab



Faculty in Charge

GNs

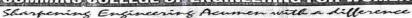
HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.



Marshi Karve Stree Shikshan Sa Stha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





3/6

Lab Practicals Plan Sem. I

Date: 31 / 7 / 2018 CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR Department: Allied Faculty Name: Dr. Sanjivani Shastri Subject:Engineering Physics Section: A science Batch A2 Batch A1 No. of Viva Perform No. of Viva Pi Name of experiment Planned Date | Perform Date Planned Date HoD's Remark done Date done possible or nt orint print fill fill print fill fill fill Variations used V-I characteristics of 1 GV 6/8/2018 10 18/18 118118 31/7/2018 Semiconductor diodes 2 Input, output and current transfer constant value characteristics of NPN transistor in of voltage and 8/8/18 17/8/18 20/8/2018 14/8/2018 CE mode current is GVB different 3 Input, output and current transfer constant value characteristics of NPN transistor in of voltage and 14/8/18 14/8/19 3VB 10/09/18 11/9/2018 current is different V-I characteristics of Zener diodes. 4 different types of diodes are 20/8/12 10/09/18 28/8/IP 11/9/2018 3/13 given to diff students 5 1574/10 22/10/2018 9/10/18 23/10/2018 Study of Diode as a rectifier. GVB 6 Different colors of LED are 17/9/18 11/9/18 8/10/18 9/10/2018 64 given to diff Study of LED. studetns 7 Determination of band gap 17/9/IP

Faculty in charge

Page 1

24/9/2018



Principal

18/9/12

25/9/2018

Maharshi Karve Stree Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

3



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/AS / 18-19

Date: 31 / 07 / 2018

LESSON & TEACHING PLAN for Engineering Physics

					Department of	of Allied Science				
aculty	Name: Pro	f. Dr.Sar	njivani sl	hastri				Year: 2018-19		Sem:I
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	31July- 4Aug	2	m	Crystal structure, Meaning of lattice and basis, Unit cell: primitive and non primitive unit cellCubic crystal structure: Body and Face centered cubic structures, SC, BCC and FCC unit cells.		A textbook of Engineering Physics, By Avdhanulu,chpt no 16(pages469- 483,491,492,494- 500)Problems in Physics pages345- 380)By Avdhanulu,2010Engine ering Phy & Che by Subhash chander(313- 329)Edition 2010	ppt.1	3117 18 118 18 2-18 18		GAS.
2	6Aug- 11Aug	1 2	ш	Unit cell characteristics: Effective number of atoms per unit cell, atomic radius, nearest neighbor distance, coordination number, atomic packing fraction, void space, density Crystal planes and Miller indicesInte planar distance between adjacent planes, Bragg's law of X-ray diffraction,	various planes	A textbook of Engineering Physics, By Avdhanulu,chpt no 16(pages469- 483,491,492,494- 500)Edition 2010	video 1	3/8/18 4(8/19	11 [8/19 Tutorial]	(NAS

Faculty in Charge

HOD GND



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-44110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Assignment/T Date utorial Date	HOD's sign
3	13Aug- 18Aug	4	ш	Tetrahedral and octahedral voids.Numericals	Hand made model showing various planes, solving numericals in group	Problems in Physics pages345-380)By Avdhanulu,2010	ppt.1	4 8 18 8 - 18 18 18 18 18 18 18 18 18 18 18 18 18	G/K
4	20Aug- 25Aug	3	I	Plank"s Hypothesis, Properties of Photons ,Compton Effect,Wave – particle duality,	watching video in class	Textbook of engineering Physics by Avdhanulu Pages(322- 328,356-360)Reprint 2010	video 2	18)8]18]7]8/18 14 8]18	G/AT
5	27Aug-1 sept	4	1	De-Broglie Hypothesis, Davisson - Germer Experiment;Bohr"s Quantization condition,Numericals		A text book of Engineering Physics by Avdhanulu pages(361- 379),Eng Phy & Che by Subhash Chander pages(229-243) Reprint 2010	ppt.2	2/18/18 23/8/18 29/8/18 30/8/18	€/gs
+:	sept-8					Sessional I			

Faculty in Charge

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.

No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
7	10sept- 15Sept	3	п	Concept of Group and phase velocities, Wave packet,Thought experiment on single slit electron diffraction, Wave function and its probability interpretation,		A text book of Engineering Physics by Avdhanulu pages(361- 379),Eng Phy & Che by Subhash Chander pages(229-243) Reprint 2010		11-9-18 12-9-18 14/9/18	Assignment No 2 Interval 2	€NS
8	17sept- 22Sept	3	п	Wave function and its probability interpretation,		A text book of Engineering Physics by		18/9/18		SM
9	24sept- 29Sept	4	п	Solution of Schrödinger"s equation for one dimensional infinite potential well,Barrier Tunneling,Numericals		Avdhanulu pages(361- 379),Eng Phy & Che by Subhash Chander pages(229-243) Reprint 2010		19 9 18 20 9 18 20 9 18 21 9 18		S/AS
10	1 -Oct-6 Oct	3	ıv	Band-theory based classification of solids into insulators, semiconductors and conductors, Fermi-Dirac distribution Function, Intrinsic semiconductors: Germanium and siliconFermi energy, Typical energy band diagram of an intrinsic semiconductor, Doping and Extrinsic semiconductors,		Engineering Physics By Avdhanulu,pages(55- 129),Problems in Physics pages(381- 430),Elec & instrumentation by KC Jain pages (1- 24)Problrms in Physics by Avdhanulu pages(315-324)Reprint 2010		22/9/18		<i>©</i> As

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Worsen Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
11	8 Oct- 13Oct	3		PN- junction diode; Unbiased, Forward baised & Reverse biased mode with Energy band diagram reference, Diode rectifier equation, s		Engineering Physics By Avdhanulu,pages(55- 129),Problems in Physics pages(381- 430),Elec & instrumentation by KC Jain pages (1- 24)Problrms in Physics by Avdhanulu pages(315-324)Reprint 2010		23)10)1	Ç	e/R
12	15Oct- 20Oct	3	IV	action, Numericals Hall effect, Hall coefficient & Hall Angle, Numericals		Problems in Physics by Avdhanulu pages(315- 324)Repint 2010		30/10/18		GAS.
13	22Oct- 27Oct	1 1	īV	Numericals		Problems in Physics by Avdhanulu pages(315- 324)Repint 2010		31/11/17		GM
14	290ct- 310ct	1 3	īv			Problems in Physics by Avdhanulu pages(315- 324)Repint 2010		ן וון [נ		GAD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummine College of Engineering for Women Hingna, Nagpur-441110.

Faculty in Charge

HOD



Maharshi Karve Stree Shikshan Samstha's **CUMMINS COLLEGE OF ENGINEERING FOR WOMEN** Sharpening Engineering Acumen with a difference



Lab Practicals Plan Sem. II

Date: / /

	CUMMIN	S COLLEGE OF EN	GINEERING	FOR WON	IEN, NAC	SPUR			
Faculty N	lame: Dr. Asha H. Gedam	The state of the s	Subject: Engg.	Chemistry		for	Departmen science	t: Allied	Section: A
				Batch A 1			Batch A 2		
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Planned Perferm Date	No. of Viva done	HoD's Remark
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	Determination of temporary & permanent hardness of water by complexometry		8/8/2018	बद्ध । इ	1	71818	7/8/2018	١	GNS
2	Estimation of nickel ion by complexometry		29/8/2018	2918)18	١	14/8/18	14/8/2018	1	G/R
3	Estimation of free chlorine by iodometry		12/9/2018	13)3)18	1	21/8/18	21/8/2018	1	GV
4	Determination of type and extent of alkalinity by warder's method		26/9/2018	19)9)18	١	28 8 18	28/8/2018	1	GAT
5	Estimation of dissoved oxygen		10/10/2018	10/10/18	,	11/9/18	11/9/2018	1 .	GN8
6	Determination of copper ions by iodometry		17/10/2018	17/10/18	1	18/9/18	25/9/2018	1	G/H
7	Determination of hardness due to calcium and magnesium separately		24/10/2018	24)10)18	1	9)10/18	9/10/2018	1	343
8	Determination of pH by pH meter		31/10/2018	3)10/18	1	16) 10/18	16/10/2018	1	3.4

Page 1

HoD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accords with a difference



Lab Practicals Plan Sem. II

Date: / /

aculty N	lame: Dr. Asha H. Gedam		Subject: Engg.	Chem.		for	ccionco	t: Ameu	Section: B
				Batch B1			Batch B2		
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remai
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	Determination of temporary & permanent hardness of water by complexometry		10/8/2018	10/8/18	١	13/8/2018	13/8/18	1	G/B
2	Estimation of nickel ion by complexometry		17/8/2018	02/8/18	1	20/8/2018	16/2/18	1	3AB
3	Estimation of free chlorine by iodometry		24/8/2018	24/8/18	1	27/8/2018	27/8/18	1	3ND
4	Determination of type and extent of alkalinity by warder's method		31/8/2018	1119118	1	10/9/2018	16/9/18	1	GAS
5	Estimation of dissoved oxygen		14/9/2018	2119118)	24/9/2018	2419118	1	GAS
6	Determination of copper ions by iodometry		28/9/2018	28/9118	1	8/9/2018	13/9/18	1	GA3
7	Determination of hardness due to calcium and magnesium separately		12/10/2018	3/10/18	١	22/9/2018	22/9/18	1	GAP
8	Determination of pH by pH meter		26/10/2018	16/10/18	1	29/9/2018	22/9/18	1	GAS

Faculty in charge

Page 2

HoD



Dr. Milind Khanapurkar Principal Maharshi Karvo Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



manarshi Ka 💓 Stree Shikshan Samstha's 🤟

Sharpening Engineering Acumen with a difference

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

CCOEW/AS / 18-19

Date: 27/07/2018

LESSON & TEACHING DIAN for Engineering Chemistry

					Department of	of Allied Science				
acul	ty Name:	Dr. Asi	na H. G	edam				Year:	2018-19	Sem:- I
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no: Page no,edition, No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	1-4 Aug	2	ш	Introduction, raw materials of portland cement, Cement Moduli		Walekar & Bharati 3A-6 to 3A-7 Edition 2009	9365	031/418 01/8/18		0/K)
				Dry and wet process of manufacture, soundness of cement	student active participation to write chemical reactions using chalk and board	S.S. Dara 287-288 , 11 th edition	PPT	(B) 2/8/18	-	@ M
2	6-10 Aug	3	ш	Setting and Hardening of cement.	student active participation to write chemical reactions using chalk and board	Walekar & Bharati 3A-7 to 3A-10 Edition 2009		418118		G\$8
				Heat of hydration, Types of cement- white, high alumina, Low heat, Rapid hardening	-	Walekar & Bharati 3A-11 to 3A-12 Edition	PPT	3/8/18		34
				Ready mix concrete, Properties advantages and applications	students	S.S. Dara 306, 11th edition		11/8/18		C/A
3	13-18 Aug	3	Ш	Fly ash as cementing materials, Properties, advantages, limitations and applications.	Questionnaire for students	S.S. Dara 307, 11th edition		11 8 11	-	@/R

Faculty in Charge

HOD



Dr. Milind Khanapurkar Principal

Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

		Lect	2 25	Delay 1 1		Chapter no. Page		Date	utorial Date	
			1	Principles of green chemistry	Extraction of	S.S. Dara 814-81	C C	Mes dies of the	utorial Date	
					chemical words dictionary	11th edition	3,	16/8/18		
				Biocatalysis and concept of	Graphical			1418)18		(CV)
1	20-25	3	IV	carbon credits,	representation	S.S. Dara 815-816 11th edition	5,	1718/18	16/8/18	6
	Aug	"	10	Battery Technology- primary, secondary, reserve batteries,		S.S. Dara 717 to	-	16 8 18		649
_		-	-	energy density, power density	1	729, 11th edition	1	13/8/18	(A)	OM
				Secondary battery: Lithium ion	students involvemen	nt S.S. Dara 729-735.		18/8/18	18/8/18	G/R
					to check their mobiles for the type	11th edition		23)8)18	1	
		-		Nickel- Cadmium, Fuel cell	of battery ask to check devices			20/8/18	/ /	
5	27-31	3	IV	application,	such as cameras			24 18118	}	34
	Aug	'	10	Hardness of water and types of hardness, Eq. wt of CaCO3, unit	Lab. Experiment	S. S. Dara 6-7,		21/8/)8	-	GIA
-		_		of nardness.	3	11th edition		29)8)18	1	
				Brief discussion of coagulation, Sterilization by UV,	Lab. Experiment	S.S. Dara 9-10,		30/8/18	2	
				Sterilization using ozone		11th edition S. S. Dara 22-		27/8/18		3AB
5	1-7 sep.			chlorine. Break point	Lab Experiment	29,11th edition		31/8/18		
5	10-15	3	II	Lime soda process,		Sessional	I	120/8/18		
	Sep		_		To balance the chemical reactions on	S. S. Dara 22-29, 11th edition			8110/5	GNF
				Zeolite process	board	S. S. Dara 45-48	PPT		15118	
				Numericals on zeolite process		I Ith edition S. S. Dara 56-58,	300 A.A.	8110141		
	23-29	3		Numericals on zeolite process		I 1th edition		8116161	6	As
+	Sep	-						21,2219118		
	ulty in	Cha	ge	Numericals on lime soda process Type 1			G/B	29)9118)	
	0	10/					HOD	25, 2919118		- 1



Dr. Millind Khanapurkar Principal Maharshi Karve Stee Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WE!	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activing Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT too	Completion Date	utorial Date	
-				Numericals on lime soda process Type 1		D 24 42 Join		2. 2.6.		
8	1-6 Oct.	3	11	Numericals on lime soda process Type 2		Dara 34-43, Jain and Jain, 36-49, 15th edition		3/10/18		
				Numericals on lime soda process Type 2		13th edition		4110)18		7018
				Combined numericals on zeolite and lime soda process				511018		
10	8-13	4	I	Scales, sludge, caustic		S. S. Dara 59-63,	PPT	5/10/18		J
	Oct.			embrittlement		11th edition		6)40)18		
				carry over, priming, foaming.		Dara 59-63, 11th	PPT	6110113		1
		- 1		Boiler corrosion		edition		9) 90) 18		
				Internal conditioning :-		S. Dara 64-66		10/10/18	1910118	GAR
				phosphate, carbonate, calgon,		S. Dara 72-74,			****	
11	15-20 Oct.	3	_	Desalination, electro dialysis process,	1	S. Dara /2-74,		1)10)18		
	OCL.		- 1	Reverse osmosis process, Waste		S. Dara 616-618		1210)18		
			-	water treatment- brief idea about				15/10/12	•	\ \A
12	22-27	2	I	Mechanism of chemical and	1-	P.C.Jain and M.		17/10)18		1 GV&
	Oct.		e	electrochemical corrosion		ain 342-343, 15 h edition		17/10/18.		
1				illing Bed worth rule,		C.Jain and M. ain 330-337	8	17/10/18		7
3 2	9-31	2		ypes of corrosion – Pitting,		.C.Jain and M.		20/10/18		
	Oct.	-		ter granular corrosion	J	ain 337-340, 15	_	20/10/18	-	
1		_	St	ress, Waterline and galvanic	ti	n edition		2410)18		(GNAS
			co	rrosion			-	22/19/18	-	(610
1	1-3	2		rrosion prevention - Design	1	ain& Jain 345-		25/10/18		
	Nov.		an	d material selection,	3.	49, 15 th edition		23110118	•	
1				otective coatings - tinning, vanizing, Powder coating,		P.C.Jain and M. Jain 350-354, 15	۸.,	25,26/10/18		
				tal cladding, electroplating		th edition	GNB -	25, 30)10)18		



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Acumen with a difference



Lab Practicals Plan Sem. II 2018

Date3	1	71	18
-------	---	----	----

	CII	MMINS COLLEGE	OF ENGIN	ERING FO	R WOME	N, NAGPUR	-		
aculty N	ame: Prof. Rashmi	WINING COLLEGE	Subject: Com			for	Departm science	ent: Allied	Section: A
eshpan			J.I.II.	Batch A1			Batch A2		
			Planned	Perform Date	No. of Viva	Planned Date	Perform Date	No. of Viva done	HoD's Remark
Pi	Name of experiment	possible Variations used	Date print	fill	fill	print	fill	fill	fill
1	BARRIERS TO COMMUNICATION	different activity based on barreis Conducted	31/7/2018	31/7		1/8/2018	1/8		Q/A
2	DEVELOPMENT OF WORD	Various Estercises given to all students		7/8		8/8/2018	8/8		Q/X
3	SPEAKING SKILLS	Different topics were given for activity aufferent topics	14/8/18	14/8		29/8/2018	29/8		@\$\$
4	GROUP DISCUSSION	weregiven for Discus	28/8/18	28 8		12/9/2018	1- 1		
5	INTERVIEW TECHNIQUES	different tofrer were given for Discust of the Constitutions of the for for the Constitution of the Consti	11/9/2018	11/9		26/9/2018	2519		CM
6	WRITING, TECHNICAL REPORT WRITING	warn Rep. Willing Sangol Quegirufor	9/10/2018	25/9		10/10/2018	10/10		CAT
7	LISTENING SKILLS	Sprin dudios &	23/10/2018			24/10/2018	14/10		@pr
8	PRESENTATION SKILLS	Internal Laboration	30/10/2018	23/10		31/10/2018	24/10		G\D

Faculty in charge

Page 1



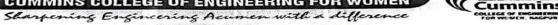
Dr. Milind Khanapurkar

Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Lab Practicals Plan Sem. Il 2018

Date 34/ 3/ 18

								Dat	te84/ 4/ 18
	CUI	MMINS COLLEGE	OF ENGIN	EERING FO	R WOME	N, NAGPUF	<u> </u>		
aculty Na eshpand	ame: Prof. Rashmi le		Subject: Com Skills	munication		for	Departm science	ent: Allied	Section: B
				Batch B1			Batch B2		
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remar
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	BARRIERS TO COMMUNICATION	based on Bassiers conducted	6/8/2018	6/8		3/8/2018	3/8		C/A
2	DEVELOPMENT OF WORD POWER	seggerent exercises were given to all students	13/8/2018	13/8		10/8/2018	10/8		QN.
3	SPEAKING SKILLS	were given for activity	20/8/2018	20/8		17/8/2018	24/8		GW)
4	GROUP DISCUSSION	were give to during	J#/9/2018	10/9		31/8/2018	m/9		68
5	INTERVIEW TECHNIQUES	Jab app letters, Covery letters,	24/9/2018	2419		28/9/2018	28 19		BAS
6	REPORT WRITING	Varian Sangale from waiting on taken a Reportmently taken	8/10/2018	15/10		12/10/2018	5/10		S/A
7	LISTENING SKILLS	advent shiderala	22/10/2018	Collower.		26/10/2018	16/10		GA
8	PRESENTATION SKILLS	Ligher topis	29/10/2018	22/10		2/11/2018	23/10		3M

Faculty In charge

HOD



Dr. Milind Khanapurkar

Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's





-				LESSON & TEACHING PLA Departs	ment of Allied		Onter	un i G		
Facult	y Name: P	rof. Rasi	hmi Bha	aratey		Civil Engineering	3	SEM: First (2018-2019)	Sem: Odd
Week N0.	Week	No. of Lect	Unit No.	Exact Topic Name and Subtopic	Activity/ Teaching Aid	Reference Book - Chapter no. Page no. Edition no.	10015	Completion Date	Assignment/ Tutorial Plan	HOD's Sign
	31 July -4 Aug	4		Introduction to Civil Engineering – Introduction and scope of Civil Engineering. Role of Engineers in the infrastructure development General concepts related to building. Selection of site, basic functions of buildings, types of buildings – Residential, Public, Commercial, and Industrial. Principles of planning, orientation of buildings, introduction to bye-laws regarding building line, Height of building, open space requirement, F.S.I., Carpet area, built up area, setbacks, ventilation.	On site demo of Principles of planning Line plan preparation of a residential house using the Principals of planning and byelaws with description note of same	Building Drawing Design: By Shah and Kale Chapter 5 Page no. 178- 250	PPTs Videos (Descript ion on separate sheet)	318]18 418(18 6[8]18	18 -8 - 2018	er.
	6 Aug – 10 Aug	3		Components of Buildings Introduction to Types of loads on buildings. Substructure – Types of soils; rocks and foundation strata, concept of bearing capacity, Types of foundation and their suitability.		T		818118 818118)	



eek 0.	Week	No. of Lect	Unit No.	Exact Topic Name and Subtopic	Activity/ Teaching Aid	Reference Book – Chapter no. Page no. Edition no.	ICT tools	Completion Date	Assignment/ Tutorial Plan	HOD's Sign
				Superstructure –Types of construction: Load Bearing, Framed, and Composite.	Observation of actual site and building	Basic Civil Engineering: By Dr. B. C. Punmia, Ashok Kumar Jain, Arun Kumar Jain. Edition 1 reprint 2011 Chapter 16,17 Page no. 359,361- 373,385-403 Building Construction: By Sushil Kumar Chapter 19 & 22 Page 463 – 465 & 517 - 563	PPTs Videos (Descript ion on separate sheet)	16/08/8		(Sub
3	13 Au - 18 Aug	3	I	Building Materials Introduction to basic construction materials; cement, bricks, stone, aggregates, structural glazing, structural steel; reinforcing steel, Concrete types: PCC, RCC, Prestressed, Precast and Ready Mix Concrete.	Presentation by student groups on different materials Observation of actual material	By Dr. B. C. Punmia, Ashok Kumar Jain, Arun Kumar Jain. Edition 1 reprint 2011	PPTs Videos (Descript ion on separate sheet)	1718 18 18 8 19 23 8 18	3	G/A



Week NO.	Week	No. of Lect	Unit N0.	Exact Topic Name and Subtopic	Activity/ Teaching Aid	Reference Book – Chapter no. Page no. Edition no.	ICT tools	Completion Date	Assignment/ Tutorial Plan	HOD's Sign
9	1 Oct- 6 Oct	4	m	Purification of water, modern purification processes; Standards of purified water. Waste Management: Collection and Disposal methods of Liquid, solid and gascous wastes.		Basic Civil Engineering; By Dr. B. C. Punmia, Ashok Kumar Jain,		28/9/18 3/10/18 4/10/18		Op
10	8 Oct- 13 Oct	3	m	Water Resources Engineering Introduction to Hydraulic structures of storage; water conveyance systems; Condition monitoring equipments, Half Cell Watershed management: Definition, Necessity and methods;		Arun Kumar Jain. Edition 1 reprint 2011 Chapter 18 Page no. 405- 441		5/10/18		CNR
11	15 Oct- 20 Oct	4	III, IV	Roof top rain water harvesting and Ground water recharge: relevance and methods. Instrumentation in Civil Engineering Structures:			PPTs Videos (Descript ion on separate sheet)	121018		GAS
				Various Instruments used in construction, water resources. Environmental Engineering. Foundation Engineering, Thermocouples			PPTs Videos (Descript ion on separate sheet)	81191171	31-10-2018	BAS
12	22 Oct- 27 Oct	3	IV	Condition monitoring equipments , Half Cell Potentiometers, Strain Gauges. Management of Utilities using telemetry & SCADA System				20/10/18 24/10/18 25/10/18 26/10/18		GAS



Week No.	Week	No. of Lect	Unit No.	Exact Topic Name and Subtopic	Activity/ Teaching Aid	Reference Book — Chapter no. Page no. Edition no.	ICT tools	Completion Date	Assignment/ Tutorial Plan	HOD's Sign
13	29 Oct- 3 Nov	4	IV	Sustainable Development: Role of Engineers in Sustainable Development. Concept of green buildings and LEED Certification.		Euronass	PPTs Videos (Descript ion on separate sheet)	27110 LT8 31 16 LT8 31 18 LT8		GA
							PPTs Videos (Descript ion on separate sheet)			

HOD

Date: 25/07/2018

Prof Rashmi Bharatey



Week N0.	Week	No. of Lect	Unit No.	Exact Topic Name and Subtopic	Activity/ Teaching Aid	Reference Book — Chapter no. Page no. Edition no.		Date	Assignment/ Tutorial Plan	HOD's Sign
						Chapter 1 Page no. 3-12, Chapter 2 Page no.32-35, 57-61, Chapter 4-8 Page no.101-180 Elements of Civil Engineering: By S. S. Bhavikatti Edition 1 - 2010 Unit II Chapter 1-9 Page 17 - 106				
4	20 Aug - 25 Aug	3	п	Surveying Various types of maps and their uses; Introduction to digital mapping; Principles of survey.	_	Surveying And Levelling:By Kanetkar and Kulkarni Chapter 1,2,4,7 Page 1-41, 136- 140, 354-360	PPTs Videos (Descript ion on separate sheet)	24/8/18 29/8/18 30/8/18	3	Jak
5	27Aug - 31Aug	3	п	Introduction to various survey instruments such as EDM, Lasers, Total Station, and digital planimeter.				31/8/18		3 GN



Week No.	Week	No. of Lect	Unit No.	Exact Topic Name and Subtopic	Activity/ Teaching Aid	Reference Book – Chapter no. Page no. Edition no.	ICT tools	Completion Date	Assignment/ Tutorial Plan	HOD's Sign
6	10Sept - 15Sept	3	11	Modern survey methods. Introduction to GIS, GPS and their applications		Elements of Civil Engineering:		1918118		3/2
7	17Sept 22Sept	4	11	Transportation Engineering Role of transportation in national development: Various modes of Transportation. Classification of Highways: Expressways, NH, SH, MDR, ODR, VR; Types of Pavements, Traffic Signs, signals, Parking system, and Causes of Accidents	Group activity making poster of map and Traffic signs	By S. S. Bhavikatti Edition 1 - 2010 Unit III Chapter 1-4 Page 113 - 168 'Transportation Engineering:By Khanna & Justo	PPTs Videos (Descript ion on separate sheet)	1219 18 13 9 18 15 9 8 19 9 18		3/R
8	24Sept - 29Sept	3	m	Environment and Natural Resource Management Water supply - Sources, drinking water requirements, impurities in water and their effects;	Visit to water treatment plant	Water Supply and Sanitary Engineering: Including Environmental	PPTs Videos (Descript ion on separate sheet)	20 9 18 21 9 18 27 9 18	10 - 10- 2018	GM7
						Engineering, Water And Air Pollution Laws And Ecology: By G. S. Birdie, J. S. Birdie Chapter 1,2,4,5,6 Page no. 1-8,21- 27,71-73,159- 234,330-408		28		(NAS







Lab Practicals Plan Sem. I

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR Department: Section: 1st Semester Section A lied Science

	y Name: Prof.		Subject: Comp	utational Skills.	for		All
Bhagy	ashree Joshi			Section A		-	7
Pi	Name of experiment	Possible Variations Used	Planned Date	Perform Date	No. of Viva done	HoD's Remark	1
print	print		print	fill	fill	fill	-
1	Fundamentals of Computers	Variations Through different programs using different values	6/Aug/18	13/Aug/18		6185	
2	Fundamentals of "C" language	Variations Through different programs using different values	13/Aug/18	20/Aug/18		G/R	
3	Fundamentals of Decision Control Structures	Variations Through different programs using different values	20/Aug/18	27/Aug/18		GA3	
4	Fundamentals of Loop Control Structures	Variations Through different programs using different values	27/Aug/18	17/Sep/18		Q/R	
5	Fundamentals of One Dimensional Arrays	Variations Through different programs using different values	10/Sep/18	17/Sep/18		6/AS	



Page 1

HoD



		4				DAEN NAG	DUR
_		CUN	MINS COLLE	GE OF ENGINE	ERING FOR WO	IVIEW, WAS	Department:
Facu	Ity Name: Prof.			utational Skills.	for		Allied Science
Rhag	yashree Joshi	1	427-400-4 4 -270-45-4	Section A			٦
Direg			Planned Date	Perform Date	No. of Viva done	HoD's Remark	c
Pi	Name of experiment	Possible Variations Used	print	fill	fill	fill	
print	print		princ				2
6	Fundamentals of Two Dimensional Arrays	Variations Through different programs using different values	17-09-2018	24-9-18		GAB	
7	Fundamentals of Pointers	Variations Through different programs using different values	24/Sep/18	28-9-18		6A	
8	Fundamentals of Strings	Variations Through different programs using different values	1/Oct/18	15-10-18		3A8	
9	Fundamentals of Functions	Variations Through different programs using different values	8/Oct/18	22-10-18		GAB .	
1	O Fundamentals of Functions	Variations Through different programs using different values	15/Oct/18	22-10-18		3As	

Page 2

Faculty in charge



Hingna,

Dr. Millind Khanapurkar Principal Maharshi Karve Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

Section: 1st Semester

Section A

HoD





Lab Practicals Plan Sem. I

		CUMMIN		F ENGINEER	RING FOR V	WOMEN, N	AGPUK	1
	ry Name: Prof. rashree Joshi		100 m	mputational ills.	for		Department: Allied Science	Section: 1st Semester Section B
J.11067	45111.00.00.00		1	Section B				
Pi	Name of experiment	Possible Variations Used	Planned Date	Perform Date	No. of Viva done	HoD's Remark		
print	print		print	fill	fill	fill	1	
1	Fundamentals of "C" language	Variations Through different programs using different values	31/Jul/18	31/Jul/18		G/KS		
2	Fundamentals of Decision Control Structures	Variations Through different programs using different values	7/Aug/18	14/Aug/18		6/3		
3	Fundamentals of Loop Control Structures	Variations Through different programs using different values	14/Aug/18	21/Aug/18		G/As		
4	Fundamentals of One Dimensional Arrays	Variations Through different programs using different values	21/Aug/18	28/Aug/18		GVB		
5	Fundamentals of one Dimensional Arrays	Variations Through different programs using different values	28/Aug/18	11/Sep/18		34		
6	Fundamentals of Two Dimensional Arrays	Variations Through different programs using different values	11/Sep/18	18/Sep/18		evs		

Faculty in charge

Page 1

HoD



		CUDADAIN	S COLLEGE O	FENGINEER	ING FOR W	OMEN, N	AGPUR
	Ity Name: Prof.	Colonial	Subject: Co	mputational	for		Department: Allied Science
Bhag	yashree Joshi		T	Section B			-
Pi	Name of experiment	Possible Variations Used	Planned Date	Perform Date	No. of Viva done	HoD's Remark	
orint	print		print	fill	fill	fill	-
-	Fundamentals of Pointers	Variations Through different programs using different values	18/Sep/18	27-9-18		CAN	
8	Fundamentals of Strings	Variations Through different programs using different values	9/Oct/18	9-10-18		3A1	
9	Fundamentals of Functions	Variations Through different programs using different values	16/Oct/18	16-10-18		BAS	
10	Fundamentals of Functions	Variations Through different programs using different values	23/Oct/18	23-10-18		GAS	

Faculty in charge

Page 2

HoD

Section: 1st Semester

Section B

Hingna,

Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Department of Electronics & Telecommunication Engineering

(ACADEMICYEAR 2022-23 to 2018-19)

Tel. No.: 9657667030 E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in







Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference







Academic year

2022-23

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in









CCOEW/ETC 22-23

Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Date:

Sharpening Engineering Acumen with a difference

				LESSON & TEACHING PLAN for	Industria	I Economics and E	ntrepreneurship De	velopment	ES		
				Department of E	lectronics	& Telecommunica	tion Engineering				
aculty	Name: Prof	f. Priyada	arshini F	lamteke			Economics and hip Development	Sec:	Year: 2022-23		Sem:- V
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
1	1-6 Aug	0				Skill D	evelopment				
				Industrial Economics: Introduction					8/8/22	-	7
2	8-13 Aug	3		Types of Business structures: Sole Proprietorship					18/8/22		
3	15-20 Aug	2		Partnership					20/8/22		
4	22-27 Aug	4		Types of Partnerships, Corporation: Merits and demerits					25/8/22		7
	-		1	Joint Stock Company					6/9/22		7
5	29 Aug - 3 Sept	3		Difference between Public and Private Company					3/9/22		
				Financial Statements					7/9/22		Ray
				Top and Bottom Line of the organization			- 1		719/22		, (
6	5 - 10 Sept	4		Economic Analysis & Economic Prudence					7/9/22		
		1	TT	Costing					8/9/22	8/9/22	
		T L	II	Market Structures					12/9/22		
									5000	1 mles	1



WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
NAME OF THE OWNER.	enacta are supplied			Perfect Competition					17/9/22		
7	12 - 17 Sept	4		Monopolistic Competition & Monopoly					26/9/22		7
81	•			Oligopoly					27/9/22		
				Pricing Strategies					28/9/22		4
8	19 - 24	Sept	п			SESS	SIONAL - I				
				Business integration					29/9/22		
9	26 Sept - 1	4		Economies and Diseconomies of Scale & Optimum Size of the firm					100		\prod
	Oct			LPG Policy					10/10/22		
				Business Cycles					11/10/22		1
				Functions of Central Bank					3/10/22		
10	3 - 8 Oct	4		Functions of Commercial Banks					3/10/22		
			-						4/10/22		
		1		Foreign Direct Investment				- 90	1710/22	_	1\ 0
11	10 - 15 Oct	4		Free Trade Vs. Protection					18/10/22		11
**	10-15 00	1	m	Capital Formation					5/10/22		11.
			'''	Inflation: Types and Causes					2/11/22		+
				Inflation: Control and Effects					2/11/22		+
12	15. 00.0			Deflation and Stagnation					3/11/27		
12	17 - 22 Oct	4		Public Private Partnership					4/11/2		
				Inclusive Growth					_		
13	24 - 28	Oot				The same ways to the same	37.00 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m	0.00 To 200 To 2	5/11/2		1
13	24 - 20	Oct	Jac Will			DIWALI	VACATION				

Sumteha



ĸ	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
1	ededine vone	De Carrier Street		Direct Sources of finance					7/11/22		
				Indirect sources of finance					2/11/22)
	31 Oct - 5 Nov	4		Venture Capital and Angel Funding					10/11/22		/
1			,	Capital Structure					11/11/22	- 1/12/22	7
†				Working Capital					14/11/22	1/12/22	\mathcal{H}
1			IV	Break Even Analysis					26/3/2	2	<u> </u>
	7 - 12 Nov	4		Network Analysis Techniques: PERT/CPM					15/11/22		
				Canons of taxation					17/11/22	-	1
				Direct Taxes					18/11/22	-	- 17
			1	Indirect Taxes					19/11/22	_	
	14 - 19 No	v 4		Small Scale Industries: Features and Problems					21/11/22	1	Rau
				Sickness in SSIs					23/11/2	2	
	0		1	FDI and threats to SSIs					24/11/22	4	1
	21 - 26 Nov	, 4	v	Technical Consultancy Organizations					25/11/23	2_	
	#1 - #0 140V	1		Government Policies to SSIs					28/1/2	2.	
				Tax Benefits& Incentives to SSIs					29/11/2	.2	
1	28 Nov -	3 Dec				SESSIO	ONAL - II				

faul

Subject Teacher





Faculty in Charge

Maharshi Karvastree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Coummins.

Sharpening Engineering Acumen with a difference Department of Electronics and Telecommunication **LESSON & TEACHING PLAN for Signals and Systems** Faculty Name: Prof. Saroj P. Sahu Sub: Signals & System (BEETE305T) Year: 2022-23 SEM-III Activity/ Virtual Refrence Book -WEEK No. Of Unit Assignment/Tutorial Week **Exact Topic Name & Subtopic** lab link Teaching Chapter no. Page **Completion Date** AC's sign Lect. No. No. Date Aid no,edition. No Course Objective, Introduction of subject Signals & Systems By Syllabus discussion, Standard signals: 29 Aug-30/08/22 Aanand Kumar, 2 I SHARING SELF 1 4 Sept Step, Impulse Signals & Systems By NOTES PDFs PPTs N Ramesh Babu SHARING SELF Properties of impulse signal 01/09/22 NOTES PDFs PPTs Ramp signal, sinusoidal signals . Real & complex exponentials signals 02/09/22 T Signals & Systems By 5-11 Classification of signals, Periodic and SHARING SELF Aanand Kumar, 2 3 I Sept 22 NOTES PDFs PPTs 03/09/22 aperiodic signals, Deterministic and Signals & Systems By -Ramesh Babu Energy and power signals. 05/09/22 F Sampling: Introduction, Need for perfect reconstruction, Sampling theorem, S Signals & Systems By Nyquist rate of sampling, zero order 12-18 Aanand Kumar, SHARING SELF hold and first order hold. 3 I 4 Sept 22 NOTES PDFs PPTs Signals & Systems By Classification of Systems: Continuous Ramesh Babu 20/09/22 time and Discrete time, Static and

College of Enginee

				Linear and nonlinear, Time-varian and Time- invariant system	1		2019122	1	
4	19-25 Sept 22	3	n	Casual and non-casual,Stable and unstable, Invertible and Inverse system.	SHARING SELF NOTES PDFs PPTs	Aanand Kumar, Signals &	21/09/22		
	Sept 22			Tutorial		Systems By Ramesh Babu	22/09/22		Kay
				Introduction, Continuous-Time LTI systems: The Convolution Integral,			22/09/22	Assignment 👤	
	26 sept -		_	Properties of Linear Time Invariant systems,	SHARING SELF	Signals & Systems By Aanand Kumar,	2619122		
5	2 Oct 22	4	п	LTI Systems with and without memory,	NOTES PDFs PPTs	Signals & Systems By Ramesh Babu	27/9/22		(,
				Invertibility of LTI systems, Causality	у		2819/22	1 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1	
	3-9 Oct	3378		Stability of LTI systems		Signals & Systems By Aanand Kumar,	2919122		10
6	22	2		The unit step response of an LTI system.		Signals & Systems By Ramesh Babu	03/10/22		1
7-Jan	10-12 Oct 22	1		Block diagram representations of fir order systems described by differential equation	st-		4/10/22		
	13-20 Oct				Sessio	nal I Examination			
	24-28 Oc	t			DI	WALI VACATION			
ST STREET MEETS	22	A CONTRACTOR	南部 JA-200	Fourier Series: Trigonometric Fourier Series,	er	Pitch of the second of the sec	6110122	Assignment 2	1)
_	31 Oct- 6	5	1,,	Exponential Fourier Series,	SHARING SEI		10/10/22(2)		19
7	Nov 22	4	п	Fourier Transform & inverse FT	NOTES PDFs P	PTs Signals & Systems B Aanand Kumar, Signa			1
				Fourier Transform Properties:Linear Time Shifting,	ity,	Systems By Rames Babu			
				Convolution property. Time and frequency scaling,			17/10/22 Canz	-	P
	n Charge	1	1			' A	land		

Hingna,
Hogper-441118

8	/-15 NOV	3	w	Duality, Multiplication protety,	SHARING SELF NOTES PDFs PPTs	Signals & Systems By Aanand Kumar, Signals &	19/10/22		
				Differentiation and Integration, Persevals relation		Systems By Ramesh Babu	2/11/22 (2)		
				Review of the Laplace Transform for continuous time signals and systems		Signals & Systems By	3/11/22(2)		
9	14-20	4	IV	Properties if LT,	SHARING SELF	Aanand Kumar, Signals & Systems By Ramesh		-	17_
9	Nov 22	-		INVERSE LT	NOTES PDFs PPTs	Babu	Hn (2)		
				System Functions,			glubr	Assignment 3	
				Poles And Zeros Of System Functions		Signals & Systems By	10/11/22(2)		
10	21-27 Nov 22	3	v	Laplace domain analysis of LTI systems.	SHARING SELF NOTES PDFs PPTs	Aanand Kumar, Signals & Systems By Ramesh Babu	14/11/2		
	1 1			Tutorial			15/11/22		
				Representation of aperiodic Signals,DTFT Introduction,			16/11/22		
	28 Nov -		v	The Fourier Transform of periodic signal,	SHARING SELF	Signals & Systems By Aanand Kumar, Signals &	17/11/22		
11	4 Dec 22	4	*	Properties of Discrete-Time Fourier Transform,	NOTES PDFs PPTs	Systems By Ramesh Babu	21/11/22		lan
				Properties of Discrete Fourier Transform,			23/11/22		7000
				Inverse DFT			24/11/22		
	5-11 Dec 22	3		Frequency response of discrete time LTI systems.			25711/22		
				Frequency response of discrete time LTI systems.			28/11/22	_	
15	15-23 Dec 22				S	essional-III			

Prof. S. P. Sahu Subject Teacher

Faculty in Charge 818

Rown





Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Department of Electronics and Telecommunication

				Department of Electronics	and Telecon	nmunication			
_				LESSON & TEACHING PLAN OF Ser	sors and Syste	ems (BEETC-505PE)			SEM-IV
VEEK		Prof. S No. Of Lect.	Unit No.		Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/ Tutorial Date	12/17/27/2012/00/2012
	8 - 14			Introduction of subject, Course Objective, Course Outcomes Syllabus, Sensors / Transducers: Principles	SHARING SELF NOTES, PDFs PPTs,	Sensors and signal conditioning by	18/8/22		
1	Aug 22	3	Į.	Classification, Parameters	Gifs, Numericles on		23/8/22		
		*		Characteristics,	Whiteboard		24/8/22		,
	15-21			Environmental Parameters (EP),	SHARING SELF NOTES, PDFs PPTs,	Senturia S D, Sensors and Transducers By D	25/08/22		\coprod
2	Aug	200	I	Characterization,	Gifs,	Patranabis	30/3/22		-
	22			Design procedure while choosing the sensors for various application.	Numericles on Whiteboard		oilalar		
	22-2	8		Types of sensors: Inductive sensors,		Sensors and signa			110-
3	Aug	100	1	Capacitive Sensors	SHARING	conditioning by Jacob Fraden,	219/2	-	Ray
	22			Resistive sensors.	SELF NOTES PDFs PPTs,		2/9/22		-111
	29 Aug		1	Camshaft Position Sensor	Gifs, Numericles of	Sensors &	719/22	_	1
4	4 Sej		II	,Throttle Position Sensor ,	Whiteboard	Senturia S D,	919122		
	22			Vehicle Speed Sensor,		Sensors and	8/9/2	-	-H
	5-11			Voltage sensor,	SHARING SELF NOT	ES,	16/9/23	2_	-H
5	Sep		l II	Fuel Temperature Sensor,	PDFs PPT		11111		-++
	22			Manifold Absolute Pressure (MAF Sensor,) Gifs, Numericles		1, 124917	22	



	, ,			Coolant Sensor, Sark Knock Sensor,		FIEZDEICC B			
	12 -18			Mass airflow sensor. Selection of	SHARING SELF NOTES. PDFs PPTs.	Sensors By Senturin S D, Sensors and	CHAIN	1/2	
6	Sept 22	4	n	Oxygen Sensor, Engine Speed Sensor, their Interfacing with microcontroller,	Gifs, Numericles on Whiteboard	Transducers By D Patranabis	28/9/22	JA.	aulz
			-	calibration, characterization.			28/9/22	The state of the s	
8	17-23	Sept 2	022		Sessio	nal-I	LLT CHARLES	and the same of th	
10	26 Sept-2	4		Rotary transformer, torque transducer, passive seed sensors, smart position sensor,	SHARING SELF NOTES, PDFs PPTs, Gifs,	Sensors and signal conditioning by Jacob Fraden, Piezoelectric	29/9/22	Assionment)	
10	Oct 22	3		noncontact hall effect rotary position sensors,	Numericles on Whiteboard	Sensors & Actuators By Senturia S D,	8/10/22	4110102	
	1 1	-		current and voltage sensors,		Sensors and	7/10/22		7
	3-9			hot metal detector,	SHARING SELF NOTES,	Transducers By D Patranabis	11/10/22	7	-
11	Oct 22	2	ш	proximity and displacement sensor.	PDFs PPTs, Gifs,		12/10/22		-
	-		-	Selection of appropriate model & types		Sensors and signal conditioning by	13/10/22		7.10
			III	calibration, characterization.	SHARING	Jacob Fraden,	13/10/22		ano -
12	10-16 Oct 22	4		Temperature Sensor, Pressure	SELF NOTES		18/10/22	——————————————————————————————————————	4
	00122		IV	Accelerometer and Gyroscope Sensor,	PDFs PPTs, Gifs,	Sensors & Actuators By	3/11/22		
				IR Sensor, Optical Sensor,	Numericles or				
13	17-23 Oct 22	1 3	IV	Gas Sensor, Smoke Sensor, rain sensor	Whiteboard	Sensors and Transducers By I	9/11/22		-
	00.22	-		motion sensor, RFID.		Patranabis	5/11/22	1	\neg
				Selection of appropriate model & type of sensors, their Interfacing with microcontroller,	SHARING SELF NOTE	S, Sensors and sign	3/11/22	22.2000000	Raw
15	31 Oct		īV	calibration, characterization.	PDFs PPTs Gifs,	Jacob Fraden,	3/111/2		7
	22			Case Study: Designing sensors interfa- for:	ce Numericles Whiteboar		10/11/00	+	لل



(

Dr. Milind Khemapürkar
Dr. Milind Khemapürkar
Dr. Milindikhlanapurkar
Maharahi Karve Stripsfikipään Sanetha's
Curuming-Calliga-of Society Society Society
Curuming-Calliga-of Society-Society-Society
Hingaa, Nagpur-441118.

	1 1		1	2. Waste management system.		Actuators By Senturia S D,	11/11/20						
	1			Pneumatic and Hydraulic Actuation Systems- Actuation systems,	SHARING SELF NOTES, PDFs PPTs,	Sensors and Transducers By D Patranabis	17/11/22	4					
16	7-13 Nov	3	V	Pneumatic and hydraulic systems,	Gifs,	ratianaois	18/11/2	H					
	22			Directional Control valves, Pressure	Numericles on Whiteboard		19/11/22	H					
7				Cylinders, Servo and proportional control valves,	SHARING		23/11/22	Row					
				Process control valves, Rotary actuators,	SELF NOTES, PDFs PPTs,	Sensors and signal							
17	7 14-20 nov 22	4	v	Mechanical Actuation Systems Types of motion, Kinematic chains,	Whiteboard	Jacob Fraden, Piezoelectric	25/11/22						
											Cams, Gears, Ratchet and pawl, Belt and Sens chain drives, Bearings,	Sensors & Actuators By	27/11/22 Assignme
				Mechanical aspects of motor selection, Electrical Actuation Systems, Electrical systems,	SHARING SELF NOTES, PDFs PPTs,	Senturia S D, Sensors and Transducers By D	28/11/22	10					
18	21-27 nov 22	3	v	Mechanical switches, Solid-state switches, Solenoids,	Gifs, Numericles on	Patranabis	29/11/22	Raw					
				D.C. Motors, A.C. Motors, Stepper motors.	Whiteboard Session	1 DIN	23111111						

Prof. S. P. Sahu Subject Teacher Prof. Jaya Gadge Academic Coordinator





Maharshi Kary Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Cummins

				Department of	f Electronics and Telecomm	unication			
Faculty Name	: Prof Jaya	a Gadge			Sub: VLSI Signal Proces	ssing (Elective-I)	Year: 2022-23		
WEEK No.	/eek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tutorial Date	A
	.ug .ug.22	5	I	Pipelining and Parallel Processing:Introduction of Pipelining,Types of Graph used in DSP system,DFG,SFG,DG &Data Broadcast structure,Pipelining of FIR Digital	325-	VLSI Signal processing & Implementation by Keshab Parhi,chapter no.3,page no. 63- 74	19/8/22		7
2 17Aug-20	0 Aug22	4		Fine grain pipelining,Introduction of Parallel Processing,Designing a parallel FIR Filter,Numerical based on Parallel Processing		VLSI Signal processing & Implementation by Keshab Parhi,chapter no.3,page no. 75- 83	2218		



3	22 Aug-26Aug22	5	I	Pipelining processing for low power,parallel processing for low power,Combined processing for low power,Numericals	VLSI 4 hal processing & Implementation by Keshab Parhi,chapter no.3, page no. 84	
				Tutorial		QIA 22 Futorial
4	29 Aug-3 Sep22	5	п	Retiming,Introduction,Definition and properties,solving system of inequalities,retiming techniques.	VLSI Signal processing & Implementation by Keshab Parhi,chapter - 4,page no. 91-108	1219
5	5 Sep - 9 Sep22	5	п	retiming techniques,Cutset retiming & Pipelining,Retiming for clock minimization,Retiming for Register minimization	VLSI Signal processing & Implementation by Keshab Parhi,chapter - 4,page no. 109-118	
6	12Sept-16Sept 22	5	ш	Unfolding- Introduction,algorithms for unfolding,Properties of unfolding,Critical path	VLSI Signal processing & Implementation by Keshab Parh ,chapter	offic 17/10



8	03 Oct - 7 Oct 22	5	m	unfolding and retiming,Application of Unfolding,Numericals	VLSI Signal processing & Implementation by Keshab Parhi ,chapter no.5,page no.129-	12710		7
				Tutorial		V64/11	M Tutorial	
9	10Oct -15 Oct 22	6	IV	Introduction,Folding Transformation,Registration minimization Technique	VLSI by Keshab parhi,chapter no.6,page no.149 - 164	22/11/22		Annual control of the state of
10	17 Oct -21Oct 22	5	IV	Registration minimization in folded Architecture,Folding in Multirate systems,Examples	VLSI by Keshab parhi,chapter no.6,page no.165 186	ash	28/11/22	
ulty ir	n Charge LOW			Foot	HOTROWS	30/11/2	2	1



. 11	31 Oct - 5 Nov.	6	v	Convolution:Introducen,Cook-Toom algorithm,Numericals Modified Cook-Toom algorithm,Winogard algorithm		VLSI Signal processing & Implementation by Keshab Parhi chp.8,page no.237- 243	05/12		
				Tutorial			Aus	Tutorial	
12	7 Nov - 11 Nov. 22	5	VI	lterated convolution,Cyclic Convolution Design of Fast Convolution Algorithm by Inspection,Numericals		VLSI Signal processing & Implementation by Keshab Parhi ,chp.8 ,page no.244-253	121/2		Kan
			1	Tutorial			14112	Tutorial	
			1	Raul			Á	Paul	
				Subject Teacher				ic Coordinator	
			4		-				
	low low					Soul			



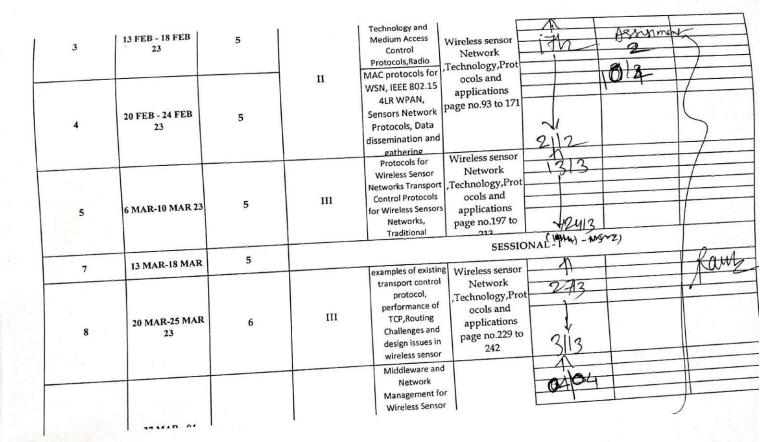


CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



COEW/ ETC/ 22-	-23			IING PLAN for Wireles				
		De	partment of Elec	tronics & Telecommu	ınicationEngineerin	g		
aculty Name	e: Dr. Jaya Gadge					Subject Code	e: BEETE603T	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tutor ial Date	AC's sign
1	23 JAN-27 JAN 23	5		Skill Development Workshop	32.00	23-27 Jan.		7
1	30 JAN-4 FEB 23	6	I	Introduction to Wireless Sensor Networks and its Applications :Introduction and Overview of Wireless Sensor Applications of	ocols and applications	ot VOHO	188 Janua	faw
2	6 FEB-10 FEB 23	5		Wireless Sensor Networks, Basic Wireless Sensor Technology, Sensor Wireless	1077	12/2	4 9/3	
				Transmission				







9	APRIL 23	6	IV	Sensor	Wireless sensor Network ,Technology,Prot ocols and	Joyly		>
10	06 APRIL- 10 APRIL 23	5	ă	Network Management for Wireless Sensor Networks, Requirements, Design issues, Examples of	applications page no.246 to 270	1014	18/80gmines 2/5/23	
11	13 APRIL - 18 APRIL 23	6		Operating Systems and Hardware for Wireless Sensor Networks Introduction, Operating System		07114	Acting	
12	20 APRIL - 21 APRIL 23	2	v	Design Issues, Examples of Operating Systems: TinyOS, MANTIS, Programming tool:	Wireless sensor Network ,Technology,Protoc ols and applications page no.273 to 300	1914.	bused	Rame
13	24 APRIL - 29 APRIL 23				SESSIONAL - II			

Subject Teacher

Academic Loordinator





TI

w

TI

Maharshi Kurve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



Facul	ty Nam	e: Pro	f. Palla		NG PLAN OF Optical Communication Sub: Optical Communication				BEETE70 3T	Year : 2022-23		SEM-VII	
WEE K No.	Week	No. Of Lect. Unit No.		Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page	link for quiz or poll	Complet ion Date	Assignm ent/Tuto rial Date	SIGN	
				Syllabus discussion						8 8		7	
1	8 - 14 Aug	3	I	Introduction, advantages, disadvantages				no 1 17"		818			
	22			applications of optical fiber communication, Ray theory,				"Optical Fiber Communication n", Gerd		17/8		7	
				classification of Optical Fibers				Keiser, 3rd Ed., McGraw Hill,		1818	18/8	4	
2	15-21 Aug 22	3	І,П	Fiber manufacturing & Fiber materials,					1 1	20/8	2		
	- 1		- 0	manufacturing methods						231	8		
				Attenuation, Absorption, scattering losses, bending loss,				"Optical Fiber	er	810	Assigni ent 1	1 1	
3	22-28 Aug 22	3	п	dispersion, Intra modal dispersion, Inter modal dispersion	n			Communicat n", Gerd Keiser, 3rd	io I	121	9		
				Numericals				Ed., McGra Hill,	w	12	9 12	9	
7.00	20			Introduction, fiber alignment and joint loss,	i	7				12	9		



4	Aug -	3	3	Ш	single mode fiber joints, fiber splices,	"Optical Fiber	1319	15			
	22	1	- 1		fiber connectors	Communicatio n", Gerd	26/9	- - - - - - - - - -			
		1			fiber couplers.	Keiser, 3rd	2619				
	5-11		\neg		LED's	Ed., McGraw	2714				
5	Sept	3		III	LASER diodes	Hill,	2819				
	22		- 1		Tutorial	1 1	2819	289			
			1		Photo detectors, Photo detector		7 1	Assignm			
					noise, Response time,		4110	ent 2			
	12 -11	3			comparison of photo detectors	"Optical Fiber Communicatio	4/10				
6	Sept 22	4	1	IV	Optical Receiver Operation, receiver sensitivity, quantum limit, n", Gerd Keiser, 3rd Ed., McGraw Hill,	6/10					
	-				coherent detection, burst mode receiver operation,		17/10				
8	17-	23 S	ept	2022	Sessional-I						
Г					Analog receivers	T	17/10				
	26				Analog links – overview of analog links,	"Optical Fiber Communicatio	181				
10	Sept Oct :		4	v	CNR, multichannel transmission techniques	n", Gerd Keiser, 3rd Ed., McGraw	1811	a			
-					Digital links - point-to-point links,	Hill,	41.	1			
11	3-9 Oct 22	2 \	v	System considerations, link power budget, rise time budget	"Optical Fiber Communicatio	14	11				
					transmission distance for single mode links.	n", Gerd Keiser, 3rd Ed., McGraw	151	11			
	1				Operational Principles of WDM,	Hill,					



8	28 -3	Dec 2	022			Session	al-II				
18	21-27 Nov 22	3									
17	14-20 Nov 22	4									
16	7-13 Nov 22	3									
15	31 Oct- 6 Nov 22	4			195				0112		
13	17-23 Oct 22	3	VI	and dispersion. Study of various application of optical fiber communication Revision			Ed., McGraw Hill,	N (*)	5112		R
12	Oct 22	4	vi	basic applications at types of optical amplifiers semiconductor optical amplifiers EDFA Measurement of Attenuation			"Optical Fiber Communicatio n", Gerd Keiser, 3rd	/	28/11	gnm nt 3	

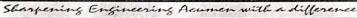
Prof. Pallavi Ganorkar Subject Teacher

Prof. Jaya Gadge Academic Coordinator





Maharshi Karvo Stroe Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/ETC / 22-23

Date: 20/1/2023

				LESSON & TEACHING PLAN			work		
				Department of Elect	ronics and T	elecommunication			
Faculty	Name:	Mrs. Pal	lavi Ga	norkar		uter Communication Network	Year:	Sem:- VIII	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/ Tutorial Date	AC's sign
1	23-27 Jan 23	5		Skill development workshop		ŧ	27 1	912	
2	30 Jan- 4 Feb 23	6	1	Uses of computer Network, Network Software-design Issues for layers, Service primitives and relationship of services to Protocols, Reference models- OSI,TCP/IP		Andrew Tenenbaum, "Computer Networks", 5th Edition, Pearson	812		Kar
3	6-11 Feb 23	5	1,11	network architectures introduction, Example of networks-X.25, Frame Relay & ATM, Protocols and Standards, Physical layer- Data rate limits, Transmissio media-guided and Unguided	, n	Education, Page no. 23-102, page no. 109 136	1		



4	13-18 Feb 23	5	II	Switching systems-Circuit switching, Datagram Switching & Virtual circuit switching, Structure of circuit and packet switch,		Andrew Tenenbaum,	14/2			
5	20-25 Feb 23	5	II, III	cable modem and DSL technologies, SONET basics, selection of IEEE std 802.11 ,a,b,c,g, Data link layer: Framing,	Will show them in CC lab	"Computer Networks", 5th Edition, Pearson Education Page no. 203-206, page no.	15/2	15/2	->	
6	6-11 Mar 23	4	ш	Flow & Error control Protocols, HDLC, PPP, Multiple access		213-271, page no. 275-298	13/3		Re	mz
7	13-18 Mar 23	-	Sessional I							
8	20-25 Mar 23	4	III	Ethernet types-bridged, Switched, Full duplex, Fast of a gigabit Ethernet, Introduction to Data link layer in 802.11 LAN. Connecting devices like passive hubs, repeaters. Active hubs, Bridges, Two-layer Switches, Routers, thr layer switches, Gateway etc.	n Will show them in Co lab	A AND AND AND AND AND AND AND AND AND AN		3	10	yw.



	· ·							
9	27 Mar- 1 Apr 23	5	III, IV	protocol, IPv4 address, IPv6 address, Address mapping- ARP, RARP & DHCP	Demonstrati on on Desktop PC	Andrew Tenenbaum, "Computer Networks", 5th Edition, Pearson Education Page no. 454-483	3/4)
10	3-8 Apr 23	2		IPv4 datagram detail format, IPv6 datagram detail format, ICMP, IGMP,		***	4)4	5
11	10-15 Apr 23	5	IV	Network layer issues like Delivery, forwarding, intra- domain and Inter-domain routing, Routing algorithms like Shortest path routingFlooding, Distance Vector Routing, Link State Routing, Path vector routing etc.,		Andrew Tenenbaum, "Computer Networks", 5th Edition, Pearson	7 4	Ro
12	17-22 Apr 23	'	IV,V	Addressing types-Physical, Logical & port address. Process to process delivery, Connection oriented & Connectionless Transport, UDP, TCP, congestion control and Quality of Service. Application layer protocols and applications like Ping, FTP, telnet, http (www), SMTP, SNMP,	on on Desktop	Education page no. 373-396, page no.513-613	1114	



14	24-29 Apr 23	Sessional II									
13	1-6 May 23	5	v	Trace route, TFTP, BOOTP, DNS, NFS, RPC, X-server, E-mail, Introduction to streaming Audio/Video,P2P file sharing, Introduction to socket programming	Demonstrati on on Desktop PC	Andrew Tenenbaum, "Computer Networks", 5th Edition, Pearson Education	17 4		2		
15	8-13 May 23	5	VI	Secret key algorithm, public key algorithm, Hash Functions, basic ITU-T Recommendation - X,805 Security Architecture, Basics of Security Requirements/Services/Dimensions, Basics of Security	on on	William Stallings, "computer Networks and Cryptography", 3rd edition, Pearson Education	18/4 th	, 0	Raul		
16	15-20 May 23	6		UTP Cabling for PC to PC communication, Network tester, network monitoring, Protocol Analyzer, Network Simulation, internet access through Dialup/DSL/Leased Line/Mobile handset	Will show them in CC lab	William Stallings, "computer Networks and Cryptography", 3rd edition, Pearson Education	Assign. Thores				

Sub. Teacher

Academic coordinator





Maharshi Karvo Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/ETC / 22-23

Date: 20/1/2023

				Department of Electro	onics and Te	lecommunication				
aculty I	Name: Mi	rs. Pallav	i Gano	orkar		uter Communication Network	Year: 2	2022-23	Sem:- VI	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/ Tutorial Date	AC's sign	
1	23-27 Jan 23	5		Skill development workshop			27 1			
2	30 Jan-4 Feb 23	1 4	1	Introduction to Networks, Network Topology, Types o communication:-simplex, had duplex, full duplex,Network classification:- LAN,MAN,WAN,	f	Andrew Tenenbaum, "Computer Networks", 5th	6/2			
3	6-11 Fe	3		Network Architecture, Protocols, Services and primitives, OSI Reference Model, TCP/IP Reference Model.		Edition, Pearson Education	8/2	16/2	Kan	



					6	
*	13-18 Feb 23	3	1	Transmission Media: Guided Media, Unguided, Structure of Switch, types of switches. Switching Techniques:- Circuit-switching, Message switching, packet switching.		14/2
50	20-25 Feb 23	3		Design Issues, Framing methods, Flow Control and Error Control, Stop-and-wait flow control, Sliding-window flow control.	Andrew Tenenbaum, "Computer Networks", 5th Edition, Pearson Education	1612
6	6-11 Mar 23	3	II	Stop-and-wait ARQ, Go- back-N ARQ, Selective repeat ARQ, HDLC,MAC sub layer: ALOHA,CSMA-CD.		21/2 21/2 Raule
7	13-18 Mar 23		1		Sessional I	
8	20-25 Mar 23	3		Network layer duties, Routers, IP addressing and its classification, IPv4 address, IPv6 address,	Andrew Tenenbaum	14/3
9	27 Mar- 1 Apr 23	The second of th	liii	Mask and Subnet. Routing algorithms like Shortest path routing, Djkstra's algorithm, Bellman Ford Algorithm.	"Computer Networks". 5th Edition, Pearson Education	28/3 Raws
10	3-8 Apr 23	2		Distance Vector Routing. Dynamic Routing.		11 4



11	10-15 Apr 23	3		Transport layer services, Connection oriented & Connectionless, Three-way handshaking, UDP model,	Andrew Tenenbaum,	3/4	2
12	17-22 Apr 23	4	IV	TCP:- TCP header format, comparison between UDP and TCP, Need of Congestion control, Principal of congestion, Quality of Service (QoS), Token bucket and leaky bucket algorithm.	"Computer Networks", 5th Edition, Pearson Education	१०१५	Raus
14	24-29 Apr 23				Sessional II		
13	1-6 May 23	4		Application Layer: DNS, Electronic Mail, File Transfer (FTP), WWW, HTTP, SNMP, SMTP.	Andrew Tenenbaum, "Computer Networks", 5th Edition, Pearson Education	17714	2
15	8-13 May 23	4	v	Introduction to Cryptography, Secret key algorithm, public key algorithm, Digital Signature, Basics of Attacks and security.	William Stallings, "computer Networks and Cryptography", 3rd edition, Pearson Education	19/4	Rany

Sub. Teacher

Academic coordinator





Maharshi Karve S()e Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

GINEERING FOR WOMEN

Cummins

Cumen with a difference

Control of Incinting

FOR WOMEN. HARDON

Sharpening Engineering Acumen with a difference
LESSON & TEACHING PLAN for Measurement and instrumentation

aculty	Name: P	rof. Pa	llavi Ga	Department o					BEETE30 6T	Year: 2	022-23	SEM-III
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
				Syllabus	342 Section 1		1001.32007.55.74			219		h
1	29 Aug- 4 Sept 22	2		Purpose of instrumentation, Basic elements of instrumentation,				. Electrical Measurement: A.K.Sawhney,		12/9		
				Statistical analysis and measurement of errors,	of			DhanpatRai& Sor Publication, 11	ıs	22/0	1	17
2	5-11 Sept 22	3		Principle and operation of ammeters	,			Edition		-	9	1 6
				voltmeters and wattmeters					100	291	9	18
				moving iron and moving coil,		11		. Electrical Measuremen			10	_
	12-18			dynamometer, Multimeter		1		A.K.Sawhne DhanpatRai&	у,	41		-
3				Energy Meter				Publication,		1 9		
	3 Sept 2			Transducers, classification & select of transducers,	ion			Edition		91	11	
			,	strain gauges, inductive & capacit transducers,	ive			. Electric Measurem		14	(111)	
4	19-2 Sept		3	inductive & capacitive transduc	ers,			A.K.Sawh DhanpatRai	ney, & Sons		111	/
	lty in	w	.00	piezoelectric and Hall-effect transducers,				Publication Edition	11.532	1	7111	1



	22		-	Schering, Weinbridge Potentiometers			5/12
8	31 Oct- 6 Nov	4	п	Kelvin, Max-well, Hay,		Publication, 11 Edition	3/12 A859
				General Balance Equation; Circuit diagram; Phasor diagram and Advantages as well as Disadvantages and Applications of Wheat stone,		. Electrical Measurement: A.K.Sawhney, DhanpatRai& Sons	28 11
	24-28 Oct 22				DIWALI VA	CATION	
	13-20 Oct 22			Si	essional I Ex	kamination	
7	10-12 Oct 22	1		power factor meter, instrument transformers. Measurement of low, medium and high resistance		Publication, 11 Edition	28 11
U	22		п	ammeter, multimeter, watt-hour meter, three phase wattmeter		. Electrical Measurement: A.K.Sawhney, DhanpatRai& Sons	25/11
6	3-9 Oct	2		PMMC galvanometer, dc & ac voltmeter,		Plant 1	24/11
				liquid flow, Pressure, Humidity, Temperature, Vibration, Acceleration			Assignment 23 11 +
				Sensors for measurement of Liquid level, Gas flow,		Publication, 11 Edition	22/11
5	26 sept - 2 Oct 22	4		encoder type digital transducers, signal conditioning and Data Acquisition Systems		. Electrical Measurement: A.K.Sawhney, DhanpatRai& Sons	19/11
				thermisters, thermocouples, photo- diodes, photo-transistors			18/11

Dr. Millind Khanapurkar Principal Maharshi Karvo Stree Shikshan Sanetha's Curmins College of Engineering for Women Hingna, Nagpur-441118.

				Measurement of Inductance, capacitance using AC bridges like Anderson, Ownens; DeSauty's. Shielding and earthing.		Florida	8 12	
	7-13			Signal conditioning measurement meters, Electronic multimeter, Q-meter,		Electrical Measurement: A.K.Sawhney, DhanpatRai& Sons Publication, 11	9112 Assignment:	5
9	Nov 22	3	m	RF power and voltage measurements.		Edition	9/12	+
				Measurement of Energy- A.C. single phase and poly-phase induction type energy meters			12/12	
			m	Oscilloscope: Digital storage oscilloscope - 2 and 4 channel, delay line, multiple trace, Triggering, delayed sweep			13/12	1
10				HMI systems for SCADA,	4	. Electrical	13/12	17
	14-20 Nov 22	4	IV	Frequency, and Time measurement, signal analysis. frequency counters – measurement of frequency and time interval – extension of frequency range		Measurement: A.K.Sawhney, DhanpatRai& Sons Publication, 11 Edition	16/12	19
				Function generators – RF signal generators – Sweep generators	7. 1.		17/12 ASS	m2
				Frequency synthesizer –wave analyzer		. Electrical	IT 12 Assignmen	nt 3
11	21-27 Nov 22	3	IV	Harmonic distortion analyzer – spectrum analyzer, Recent trends/developments.	,	Measurement: A.K.Sawhney, DhanpatRai& Sons Publication, 11	19112	
	m	/	v	What Is Telemetry? How Telemetry Works		Edition	20112	



4	15-23 Dec 22				Sessiona	1.11	23 12	
			1.0	Activity Based Learning		Edition		
3	5-11 Dec 22	3	2	Building a Scalable Geolocation Telemetry System in the Cloud using the Maps API		Measurement: A.K.Sawhney, DhanpatRai& Sons Publication, 11	23/12	1
				Telemetry Dashboard Documentation - Mozilla		. Electrical	23/12	
				Software Project Telemetry		Edition	112	4
				Instrumenting Your App for Telemetry and Analytics		A.K.Sawhney, DhanpatRai& Sons Publication, 11	20/12	1
:	28 Nov - 4 Dec 22	4	v	Windows Azure: Telemetry Basics and Troubleshooting		· Electrical Measurement:	20112	
	1			Benefits of Telemetry, Challeges.	T		A THE RESERVE AND A	

Pallavi Ganorkar Subject Teacher

Mrs. Jaya Raut
Academic Coordinator

and





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Reuman with a



Date: 27/ 07/ 2022

DA CCOEW/ETC/ 2022-2023

LESSON & TEACHING PLAN for Artificial Intelligence

	. 9					Sub:Operating S	System		Year: 20	022-2023	Sem	n:-
Facu	ilty Na	ame: Prof.	. Sakshi Kh	namanka	ar	ub:Operating .	,ystem					Monte
WEE No.		Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Date	Assignment/Tu torial Date	AC'	5 S
					Eviolution of OS	Given task to students to	"Modern Operating System" by Andrew		शराज		14	
1		8Aug - 12Aug	3		Types of OS	find out types of OS and showing them some physical demonstration	Tatenbaum chpt. 1 , page no 7 -15 , 19-33		8/8/22			100000000000000000000000000000000000000
					Basic hardware support necessary for modern OS	of hardware			918122			1
2		Aug- 20 Aug	4	I	Services provided by OS		Tatenbaum chpt. 1, page no 19-33		1018122		1	7
					System program and system calls				121812	2		
	22 /	Aug- 26	3		Os-Structure : Layered , monolithic microkernel , diskmanagement, space	e Virtual OS	Cheming chair		18/8/3			1
3		Aug	3		manegement & space allocation stategies	installation	Silberschatz, Galvi chapter 1, pg no		ાં વા કા		10.3	1
		Aug- 3					3,12,18,20 Chapter 2, pg n 49-88 Chapter 1	10,	[3187.	22		



WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poli	Completion Date	Assignment/Tu torial Date	AC's sign
enance turina	Sept		(MANAGEMENT) - IN	эльк ани ясисонинд андогиян	ocililar 1	pg no, ax requir	The state of the s	1918122	and the second common and the second second second	
ado como en estado e				Process concepts , process control block		Opearting System Concepts by Avi	**************************************	26/8/2	1 " assiv	15
5	5 sept- 9 sept	3		Types of Scheduler, context switch, thread		Silberschatz, Galvin chapter 6, pg no.		119122		
			n	multithreading model, goals of scheduling,		225-257		219122		0
6	12 Sept- 17 Sept	4		diff, scheduling algorithms , examples for windows 2000 and linu	x	Opearting System Concepts by Avi Silberschatz, Galvin chapter 11, pg no. 461-490 Chapter 3, pg no. 101-128		3/9122		Ra
7				Sessi	onal - I (17	7th Sept 2022	- 23rd Sept 20	A VIOLENTIA DE LA CAMPA		
	26 Sept-	4		Contiguous allocation, relocation paging, segmentation, segmentation with paging	n			16/912	re l	12
				Demand paging		Openrling System		5810 55/d1	assign	meet
						Concepts by Avi			100	
9	30ct - 7 Oct	3	***	page faults and instruction start		Silberschatz, Galv chapter 12, pg	in no.	2919		
9	ATTORNOON TO SELECT ON THE PARTY OF THE PART	3	ш			Silberschatz, Galv	in no. 8	0 110	122	



0 Oct - 15 Oct 17 Oct - 21 oct	4		locality, Thrashing, Garbage collection				dat	1111012	4146
				1 '				121012	7
	١ .	1 /	Concurrency conditions, critical section problem		=	1 2 1		13/10/2	4
	3	IV	software & hardware solution, semaphores		Opearting System Concepts by Avi Silberschatz, Galvin			18/19/5	
31 Oct - 5 Nov	4		conditional critical region & monitor , classical inter process communication problem	r	Chapter 7, pg no. 283-304			N 13	-
			File concepts , access method , directory structure , recovery	C Prog	Opearting System Concepts by Avi Silberschatz				2 //
7 Nov- 11 Nov	3	v	long structured file system, Deadloc & protection		Galvin chapter 6, pg n 225-257 Chapter	7,	glish oversix	JEI 11 22	22
14 Nov - 20 Nov	4		avoidance, detection & recovery	properties	em Concepts by Av s in Silberschatz, Gal	vi Ilvin		24111	12
7 1	Nov-11 Nov-4 Nov-	Nov 4 Nov-11 3 Nov 4 Nov- 4	Nov 4 Nov-11 3 V 4 Nov- 4	Nov 4 Nov 4 , classical inter process communication problem File concepts , access method , directory structure , recovery long structured file system, Deadloc & protection V Deadlock charcterstics , Prevention avoidance , detection & recovery goals of protection , access matrix	Nov	conditional critical region & monitor , classical inter process communication problem File concepts , access method , directory structure , recovery Iong structured file system, Deadlock & protection C Prog Gull (windows) Gull (windows) V Deadlock charcterstics , Prevention , avoidance , detection & recovery , goals of protection , access matrix, implementation, security C Prog Opearting System Concepts by Av Silberschatz, Galvin chapter 6, pg r 225-257 Chapter pg no. 283-304 Opearting System (unis system properties in windows) Opearting System Concepts by Av Silberschatz, Galvin chapter 6, pg r 225-257 Chapter pg no. 283-304	conditional critical region & monitor , classical inter process communication problem Pile concepts , access method , directory structure , recovery Iong structured file system, Deadlock & protection Deadlock charcterstics , Prevention , avoidance , detection & recovery, goals of protection , access matrix, implementation, security C Prog Opearting System Concepts by Avi Silberschatz, Galvin chapter 6, pg no. 225-257 Chapter 7, pg no. 283-304 Opearting System Concepts by Avi Silberschatz, Galvin Concepts by Avi Silberschatz, Calvin Concepts by Avi Silbers	C Prog Opearting System Concepts by Avi Silberschatz, Galvin Chapter 6, pg no. 225-257 Chapter 7, pg no. 283-304 V Deadlock charcterstics, Prevention, avoidance, detection & recovery, goals of protection, access matrix, implementation, security (unis system properties in windows) C Prog Opearting System Concepts by Avi Silberschatz, Galvin Chapter 6, pg no. 225-257 Chapter 7, pg no. 283-304 Opearting System Concepts by Avi Silberschatz, Galvin Concepts by Avi Silberschatz, Galvin Concepts by Avi Silberschatz, Galvin Concepts by Avi Silberschatz, Galvin Chapter 14 pg no. 591-610	conditional critical region & monitor classical inter process communication problem File concepts , access method , directory structure , recovery In Nov- 11 Nov- 11 Nov- 12 Nov- 13 Nov- 14 Deadlock characteristics , Prevention , avoidance , detection & recovery , goals of protection , access matrix, implementation, security C Prog Opearting System Concepts by Avi Silberschatz, Galvin chapter 6, pg no. 225-257 Chapter 7, pg no. 225-257 Chapter 7, pg no. 2283-304 Opearting System Concepts by Avi Silberschatz, Galvin chapter 6, pg no. 225-257 Chapter 7, pg no. 2283-304 Opearting System Concepts by Avi Silberschatz, Galvin chapter 14 pg no. 255-267 Chapter 14 pg no. 255-267 Chapter 14 pg no. 255-2610

College of Engine



Maharshi Kar p Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ ETC/ 22-23

2023

Date: 22/01/2023

LESSON & TEACHING PLAN for Internet of Things Department of Electronics & TelecommunicationEngineering Faculty Name: Asst.Prof.A.K.Tripathi Year: 2022-23 Subject Code: BEETC602T Sem:- III No. Activity/ Refrence Book link for WEEK Unit Completion Assignment/Tutor Week Of Exact Topic Name & Subtopic Virtual lab link Chapter no. Page quiz or AC's sign No. No. Date ial Date poll Lect. **Teaching Aid** no, edition. No 02-02 IoT definition & Characteristics, Arshdeep Bahga, Advantages and disadvantages, IoT 30 Jan- 4 Vijay Madisetti, 1 6 Feb 2023 functional blocks, sensing, actuation, -Internet of Things -Physical design of IoT A hands-on 1 approachl, Universities Press, 2015. 08-02-23 Logical design of IoT, Constraints 6 Feb- 10 Routs 5 2 Feb 2023 affecting design in IoT. 09-202-25 13 Feb-Arshdeep Bahga, 6 3 18 Feb Vijay Madisetti, Introduction, Functional View, 2023 -Internet of Things -Information View, Deployment and A hands-on 2 Operational View approachl, 15-02-23 Universities Press, Other Relevant architectural views. 20 Feb-2015. Real-World Design Constraints-5 24 Feb 4



Introduction, Technical Design

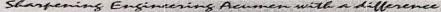
constraints, IoT reference model.

5	27 Feb- 4 March 2023			Introduction, Basic Concepts, Difference between InT and M2M, M2M Value Chains, InT Value Chains.	100000000000000000000000000000000000000	From Machine-to- Machine to the Internet of Things:	17-10/212	
6	6 March- 10March 23	5	3	Machine to Machine Communication, M2M to IoT-Architecture, Design principles and capabilities.		Introduction to a New Age of Intelligence: By Jan Holler, Vlasios Tsiatsis, Catherine Mulligan, Stefan Avesand, Stamatis Karnouskos, David Boyle, 1st Edition, Academic Press, 2014.	21-62	3 Rave
9	13 March			SESSI	ONAL EXAM	(-1	f 1	
11	20 March- 24March 23	5		Wireless medium access issues, MAC protocol, Survey routing protocols, Sensor deployment & Node discovery.	<u> </u>	From Machine-to-	15-53	7
12	27 March 1 April 23	6	4	Data aggregation & dissemination, service model, service management and security.		Machine to the Internet of Things: Introduction to a New Age of Intelligence: By Jan Holler, Vlasios Tsiatsis, Catherine Mulligan, Stefan Avesand, Stamatis Karnouskos, David Boyle, 1st Edition, Academic Press, 2014.	24-03 -23	
13	3 April - 7 April 23	5		Introduction to different IoT tools.		Arshdeep Bahga, Vijay Madisetti,	24-63-23	Rame
14	10 April - 15 April 23	6	5	Introduction to Arduino and Raspberry Pi & Its Programming.		— Internet of Things — A hands-on approachl, Universities Press, 2015.	01-04-23	
15	17 April - 21 April	5		Case Study on Health care and Agriculture	1 111		05-04-23	





Maharshi k ve Stree Shikshan Samstha CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/ ETC/ 22-23

Date: 22/01/2023

LESSON & TEACHING PLAN for Database Management Systems

				Department of Electron	nics & Telecomn	nunicationEngineering				
aculty N	ame: Asst.Prof.A.K.	Tripat	thi		Yea	r: 2022-23	Sem:- III	Subject Cod	de: BEETC604PE	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tutor ial Date	AC's sign
1	30 Jan- 4 Feb 2023	6	1	Approaches to building a database, Three Schema architecture of database, Challenges in building a DBMS.		1. Database system concepts by Avi Silberschtz, Henry F Korth, S Sudarshan, Tata McGraw Hill 2. Fundamental of Database systems – Elmasiri and Navathe		02-02-23		
2	6 Feb- 10 Feb 2023	5		DBMS architecture, Various components of DBMS, Types of Data models.	8	Addison Wesley 2000 Systems – C J Date, A Kannam, S Swamynathan, 8th edition		06-02-23		Raulz
3	13 Feb- 18 Feb 2023	6		Concepts of Relation, Schema-instance Distinction, keys, referential integrity and foreign keys, Relational algebra operators, Tuple Relational calculus, Domain relational calculus		1. Database system concepts by Avi Silberschtz, Henry F Korth, S Sudarshan, Tata McGraw Hill		08-02-2	3	



4	20 Feb- 24 Feb 2023	5	2	Physical and Logical hierarchy: Concept of index, B trees, hash index, function index, bitmap index, concepts of functional dependency, normalization (1NF, 2NF, 3NF, BCNF etc)	2. Fundamental of Database systems — Elmastri and Navathe Addison Wesley 2000 Systems — C J Date, A Kannam, S Swamynathan, 8th edition	14-62-23	
5	27 Feb- 4 March 2023	6		Query processing and optimization process, measures of query cost estimation in query optimization.	I. Database system concepts by Avi Silberschtz, Henry F Korth, S Sudarshan, Tata McGraw Hill	16-02	
6	6 March- 10March 23	5	3	pipelining and materialization, structures of query evaluation plans	2. Fundamental of Database systems — Elmasiri and Navathe Addison Wesley 2000 Systems — C J Date, A Kannam, S Swamynathan, 8th edition	20-02-23	Rowle
9	13 March-			Transection Concept SESSIONA	L EXAM - I		12
11	20 March- 24March 23	5		Wireless medium access issues, MAC- protocol, Survey couting protocols,	concepts by Avi Silberschtz, Henry F	23-02-23	1
12	27 March- 1 April 23	6	4	Transaction concepts, properties of transactions, Serializability of transactions, testing of serializability, system recovery, Two phase commit protocol.	2. Fundamental of Database systems — Elmasiri and Navathe Addison Wesley 2000 Systems — C J Date, A Kannam, S Swamynathan, 8th edition	09-03-23	Ranz



13	3 April - 7 April 23	5		Recovery and Atomicity to based recovery, concurrent execution of transactions, Locking mechanisms, solotion to concurrency related problems, deadlock, Isolation		1. Database system concepts by Avi Silberschtz, Henry F Korth, S Sudarshan, Tata McGraw Hill	04-04-23		
14	10 April - 15 April 23	6	5	Failure classification, recovery and atomicity, log based recovery, check points, buffer management, advanced recovery techniques.		2. Fundamental of Database systems – Elmasiri and Navathe Addison Wesley 2000	17-04-23		5
15	17 April - 21 April 23	5		Web databases, Distributed databases, Data warehousing, Data Mining, Data security, NOSQL databases.		Systems – C J Date, A Kannam, S Swamynathan, 8th edition	21-01-23		Roul
17	24 April - 29 April			SESSIONAL EX	AM - II			I I TO LEAD	

Prof.A.R. Tripathi (Faculty InCharge)



LIEW FT Z-B

ESSIM & TEACHINE PLAN for Microvaire & TAILS ETERRETINE

_				Terathert of Sectionics & Telecommunic		3			
acult	Mane.	Dr. lla	PE GE	dige	Mean: 21	Sept.			
va: Ve	Ve	No. Of		Esact Tupic Name & Sulmupic	Activity	Refere Bust- Clause no Page no estion.	Unde ion Dae	Assign went/ world Late	
1	川美川川田町	5		Stil Desetoment Workshop	u.		25-3= Tem		
	3.24	6	The state of the s	Introduction of Wicrowave segras, range and Tures. High strength initiations to why when the product successive of the second of	CONCENIONS	Miniwase	And the second second		
2	6.5E3-31 5E3:25	5		Refer Westons sow-wave stocure TMT with Numericas and Tenvation	microwave microwave	ani Jaia Eng Br M.Kukam Papeno 27-538	227	**	43
3	FEB TS	5		EWC) Backword wave oscillator, Wagneron oscillator and is types	ensing distant		TEN A		
*	30 FEB - 23 FEB 23	5		ntraucior o Wicrovale Componens, ntrauccior ti recialgua wavesjude & wavesjude exclution, Principles or Squameters, Spalaneters for multi-dure (2-quir, 3-quir, 4-quir, etc.)	Power measurement using Reflex Construction by practically		2 1		à



5	6 MAR-10 MAR 23	5	II	properties of S-matrix, Derivation ,waveguide Tees (E, H, E-H planes), Directional Couplers, matched terminations,Microwave attenuators,Slotted line, Ferrite devices, Circulators, Isolators, gyrators.	Will show all the component of microwave also take power measurement	(Page no. [199-260)	14/2	
7	13 MAR-18 MAR	5		SESS	IONAL - I			7
8	20 MAR-25 MAR 23	6	III	Solid State Microwave Devices,Parametric amplifiers, PIN diodes, Transferred Electron devices: Gunn djode,Avalanche diode, Transit Time devices like IMPATT, TRAPATT diodes.	NPTEL Lectures	. By M.Kulkarni (Page no. 369-436)	Assign 3	rent
9	27 MAR - 04 APRIL 23	6	v	radar range equation, factors influencing maximum range,Numericals based on Radar range Equation ,effects of noise, Pulsed radar systems.	Will show target detection using CW RADAR	Microwave and Radar Engg. By M.Kulkarni (Page no. 513-545)	5/4	Kau
11	06 APRIL- 10 APRIL 23	5	VI	Antennas and scanning, display methods, moving target indication, radar beacons, CW Doppler radar,FM CW phased array radars, applications of radar	will practically show the working of antenna's with radiation pattern	Microwave and Radar Engg. By M.Kulkarni (Page no. 545-570)	11	
12	13 APRIL - 18 APRIL	6						2 Raus 12/4



15	24 APRIL - 29 APRIL 23			SESSION	AL - II				
13	20 APRIL - 21 APRIL 23	2	IV	definition and measurement methods of frequency,power, attenuation VSWR, impedance, insertion loss, dielectric constant, Q of a cavity resonator, phase shift.	Will practically perform all the measurement parameter	Microwave and Radar Engg. By M.Kulkarni(Pa ge no. 261- 296)	213	4200 3	and the state of
1	2.3		1	Microwave measurement: Introduction to microwave measurements,		1	1		

J

faul Dr. Tayor Ram





Moharshy (arve Stree Shikshan Samstii))s CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Administration



M

TL

WI

TH

N/N/PHE

FI

SA

				Department of Ele	ctronics & Tele Co	mmunication Engineering				
aculty	y Name: Dr.	Kanchan V	Vagh		Sub: Data Compre	ssion & Encryption	Year :	2022-23	Sem:- VII	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition, No	Completion Date	Assignment/Tuto rial Date	AC's sign	
	M. COLUMN THE SHE	1		Shannon Fano Coding	L DA ARES GLADOS AND L SELECTION	Digital Communication by J.S.	08 98 22			
	08th Aug -	2		Shannon Fano Coding		Digital Communication by J.S.	08/08/22		ten I mine / sko	
1		3		Shannon Fano Coding		Digital Communication by J.S.	08 08 22			
	12th Aug	4		Huffmann coding		Digital Communication by J.S.	22/08	100000000000000000000000000000000000000	/	
	14	5		Huffmann coding		Digital Communication by J.S.	22 08			
		6	1	Huffmann coding		Digital Communication by J.S. Chittode	23/08	Assignment 1 (04/19/21)		
2	16 th Aug -	7		Arithmetic coding and dictionary		Data Compression Methods by	1238		V	
	20th Aug	8	1	Arithmetic coding and dictionary		Data Compression Methods by	7			
	William !	9	1	Arithmetic coding and dictionary		Data Compression Methods by	J			
		10		family algorithms		Data Compression Methods by	226/08-			
	Marie Co.	11		family algorithms		Data Compression Methods by	17			
	22-4 4		11 12 13	Entropy measures of performance and		Data Compression Methods by	29 08		10	
3	22nd Aug- 26th Aug				Entropy measures of performance and		Data Compression Methods by	15/09		Kai
	20th Aug	15		AUDIO COMPRESSION		Indtroduction to Data				
	STATE OF THE STATE	16		Digital Audio		Indtroduction to Data	26 09		1 611	
		17		Lossy sound compression	12 m 1 m	Indtroduction to Data	26/09		1	
	29th Aug-	18	1000	Lossy sound compression		Indtroduction to Data	03/10			
4	03rd Sept	19	2	μ-law and A-law companding		Indtroduction to Data	03 10			
45	- Sid Sept	20	115.0	μ-law and A-law companding		Indtroduction to Data	71-	La Sales de la Companya de la Compan		
Se il	Sign of the	21	194	DPCM and ADPCM audio compression		Indtroduction to Data	304/10			
Service L	100000			DPCM and ADPCM audio compression		Indtroduction to Data	1			
		22		DPCM and ADDCM and		Indtroduction to Data		Assignment 2	1	
	05th Sept-	23		DPCM and ADPCM audio compression		Compression by Khalid Sayood	1207/10-	24/09/21)	1	
5	9th Sept	24		IMAGE AND VIDEO COMPRESSION		Data Compression Methods by	7	24/03/21)		
	-	25	3	Lossless techniques of image		Data Compression Methods by	10/10		1/	
	200	26		gray codes		Data Compression Methods by			/	
		20		Two dimensional image transforms,		Data Compression Methods by			1	



	No. W	eek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no.			4.4
ſ		-	27	1		Aid Aid	Page no,edition. No	Completion	Assignment/Tuto	
1	, 12th s	+	28	4	Two dimensional image transforms,			Date	rial Date	AC's sig
	0		29	E 25 1	JPEG,		Data Compression Methods by			
1	17th 5	ept	30	1	JPEG 2000		Tools Compression Market	14/10		
L		F	31	1	Predictive Techniques post		motroduction to Data	114		
	7 19th Set	nt-			Predictive Techniques PCM and DPCM		Indtroduction to Data	17:110		1
		+	32				Indtroduction to Date	Q1/F)		4
		-	33	3	Video compression	Session	nal Examination	18/10	7.5	180
	e 26th Se	pt-			MPEG industry standard.		NPTEL LECTURE NOTES,	100000000000000000000000000000000000000		1/19
	8 20th Se		34	1	CONVENTIONAL		NPTEL LECTURE NOTES,	13	7	- 6
	Jane	-	35	1	Types of attacks		NPTEL LECTURE NOTES,	(13/10	1	
		_	36	1	Store Of attacks		NPTEL LECTURE NOTES,	1700	1	1
-	+-		37	1	Steganography Data English		Indtroduction to Data			100
1		1	. 7	, 1	Data Encryption Standards,		Indtroduction to Data		-	1
	00-11		38	4			Indtroduction to Date	5		1-
9			39	F	Data Encryption Standards,	, , , , , , , , , , , , , , , , , , ,	indiroduction to Data	1		1
	07th Oct		40	F	DIOCK Cipher Principle		Compression by Khalid Canal	19/16	Assignment 3	1
			41	-	Block Cipher Principle	,	motroduction to Data	10/10	(22/10/21)	1
-	-	42		+	S-box design		Indtroduction to Data	7.		
				-	triple DES with hugas		NPTEL LECTURE NOTES	10		-
1	72.00		44	-	TOUR RET ENCRYPTION AND MILE	, n	NPTEL LECTURE NOTES	1		1
10		A STATE OF THE PARTY OF THE PAR	45				Data Compression Most			-
1	15th Oc	7	46	-	Thirdples of public keys		Data Compression Most	22/10		1
1 5	4		47	-	public key cryptography		data compression Mark - 1	1		1
1			48	L	nsa algorithm		lata Compression Methods by	1		1
+37	in the party of th		49	L	RSA algorithm	N	Data Compression Methods by NPTEL LECTURE NOTES,			10
1	1.				Diffie-Hellman Key Eychange		" ILL LELIURE MOTES			10
11	17th Oct		50	5	Diffie-Hellman Key Exchange		NPTEL LECTURE NOTES,	3/11		110
1	21st Oct		51	- [Elliptic curve cryptology			5/11		1400
1		_	52		Elliptic curic	D	Data Compression Mark	3/11		81
	1	+ :	53	F	Elliptic curve cryptology		and Compression Mark	1./11		1
1	1	5	54		message authentification		ota Compression Moth	4/11		1
100	1	5		-	message authentification		ata compression Methods by			+
12	31st Oct-	5		-	Hash functions.	D	IFFERENT PADENS	4/11		1
1 1	5th Nov	5			Hash functions	NI NI	OFFERENT PAPERS AVAILABLE	1		
185		-			Hash and Mac algorithms	1,,	" ILL LECTURE NOTES	4/11		
		58			Digital signatures	-	Data Compression Methods by	411	240	- 1
		59	-		SYSTEM SCOULES		ata Compression Mathania	= 1		1
13	07th Nov-	60			SYSTEM SECURITY & CASE		ata Compression Market	5/11		1
1	11th Nov	61		-	Viruses, Worms		ata Compression Methoda			1
- 1		62	6	· -	firewall design		ata Compression Matheut	5/11	J. Cr. Cr.	1
		100			antivirus techniques,	D	ata Compression Methods by	100	1	
					mques,	- 0	Data Compression Methods by	4/11	1	
					THE STATE OF STATE OF THE STATE	10	Data Compression Methods by	14/11	Land of the Barrier	TOTAL IN



WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no.	Completion	A	
13	07th Nov- 11th Nov	63 64	1 6 6 at a	digital Immune systems	Aid	Page no,edition. No	Date	Assignment/Tuto rial Date	AC's sign
	14th Nov-	65		Certificate based & Biometric Secure Electronic Payment System.		Data Compression Methods by Data Compression Methods by	15/11	The same of the sa	
14	19th Nov &	66 67		Revision & MCQ test on unit 1		Data Compression Methods by Revision	28/11		TROUT
	21st Nov- 25th Nov	68		Revision & MCQ test on unit 2 Revision & MCQ test on unit 3		Revision	5/12		1 A Com
	ZSUINOV	69 70		Revision & MCQ test on unit 4		Revision Revision	145		100/00
1200	28th Nov- 3rd Dec			Revision & MCQ test on unit 5		Revision			

Dr. Kanchan Wagh

(Faculty In Charge)





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



COEW/ ETC/ 22-23

Date: 22/08/ 2022

	7 7 7 8			Department of Electronics	& Telecommu	nicationEngineerin	g			
acult	y Name: Asst.P	rof.	A.K.	Tripathi	Year	: 2022-23	Sem:- III	Subject Code	e: BEETC303T	
NEE (No.		SE STON	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	I Completio	Assignment/Tu torial Date	AC's sign
1	22 Aug-26 Aug 22	5		Skill Development Workshop			_			
2	29 Aug-03 Sept 22	6		Introduction, Syllabus Discussion, Number System, Boolean Algebra		1.Morris Mano		02-09-2	2	
3	05 Sept- 09 Sept 2	2 5	; 1	Logic Gates and their truth tables, D Morgan's Laws, k-m	ар	"An approach to digital Design", Pearson Publications. 2.R. P. Jain: "Modern digit		21-04	-7.2	



4	12 Sept- 17 Sept 22	6		for min-terms and maxterms (upto 5 variables), Introduction of logic families based on characteristics -Speed	electronics" , TMH Publications	22-01 ₋₂₂	
5	19 Sept- 23 Sept 22	5		Arithmetic Circuits, Adders and their use as substractor, ALU, Digital Comparator, Parity generators/checkers.	1.Morris Mano : "An approach to digital Design", Pearson	26-04-22	7
6	26 Sept - 01 Oct 22	6	2	combinational logic designs, multiplexer trees, Demultiplexers, Encoders & Decoders. BCD - to - 7 segment decoder, Code converters.	Publications. 2.R. P. Jain: "Modern digital electronics", TMH Publications	01-11-22	Raul
7	03 Oct - 07 Oct 22	5		1 Bit Memory Cell, Clocked SR, JK, MS J-K flip flop, D and T flip-flops. Use of preset and clear terminals.	1.Morris Mano : "An approach to digital Design", Pearson	04-11-22	
8	10 Oct - 12 Oct 22	6	3	Excitation Table for flip flops, Conversion of flip flops, Registers, Shift registers.	Publications. 2.R. P. Jain: "Modern digital electronics", TMH Publications	14-11-22	for
9	13 Oct - 20 Oct			SESSIONAL EXAM - I			
10	24 Oct - 29 Oct 22			DIWALI VACATION		21 11-22	12
11	31 Oct - 05 Nov 22	6		Counters (ring counters, twisted ring	counters) 1.Morris Mano:	21-11-22	
12	07 Nov - 11 Nov 22	5		Sequence Generators, ripple counters, up/down counters.	"An approach to digital Design", Pearson	30-11-22	Laul



13	14 Nov - 19 Nov 22	6		Synchronous counters, lock out.	2.R. P. Jain : "Modern digital electronics", TMH Publications	62-12-22	2
14	21 Nov - 25 Nov 22	5		Introduction to Intel's 8085, Architecture-de	Ramesh Gaonkar : "	08-12-22	Raul
15	28 Nov - 03 Dec 22	6	5	Addressing Modes. 8085 instruction set.	Architecture,	09-12-24	
16	05 Dec - 09 Dec 22	5		Concept of assembly language programmin	Programming and Applications with the 8085", Penram International g. Intern Publications.	72-12-2	Rows
17	15 Dec - 23 Dec 22	3	-	SESSIONAL EXAM - II	B,		THE PARTY OF A THE

Prof.A.K.Tripathi (Faculty InCharge)





Maharshi Karvo Stroo ! iikshan Samstha's CUMMINS COLLEGE OF EN)NEERING FOR WOMEN



CCOEW/ ETC/20-213

LESSON & TEACHING PLAN for Advanced Digital System Design

				Department of Electronic	cs & Teleco	ommunicationEng	ineering		
Facu	Ilty Nam	e: Pi	rof.	Anand Deshkar		r: 2022-23	Subject Code:	BEETE704T	
WEEK No.	Week	No. Of Lect.	Unit No.		Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignmen t/Tutorial Date	AC's sign
1	8Aug- 12Aug 22	5	I	Introduction to digital system design:Development Flow,HDL,VHDL in	Will	Duglas Perry(Chapter no. 1&2 page no.1-4)Brown & Varensic	2018/22		7
2	16 Aug-20 Aug22	6	11	Basic language constructs of VHDL:skeleton & syntax of VHDL Program, elements & program format, objects, data type & operators, concurrent signal assignments	Will show Xilinx Kit & FPGA	Duglas Perry(Chapter 1,Page 5,Chapter2 Page no. 73-102)	2618/22 8/3/22 13/3/22		Ra
3	22 aug- 26 aug 22	5	1	Basic language constructs of VHDL:Combinational versus sequential circuits, signal assignment		Duglas Perry(chapter no.3,page no.42-64)	28/3/22		
4	29 aug- 3 sept 22	6		Subprogram: Functions,Procedures,att ributes,generic,generate, package,IEEE standard logic library,file I/O		Duglas Perry(chapter no.5 &6,page no. 109-170)	1 1		



v	5	5 Sept 9Sept 2	12	5	Subprogram:test bench,component declaration,instantiation,co nfigurationFinite State Machine: Overview of FSM	Duglas Perry(chapter 14,page no.330- 340Chapter 7,page no.174-	
	6	12Sept-1 sept 22	6	IV	FSM representation, moore machine versus mealy	Brown & Varensic	2/11/22) Hul
	7	17 sept- 23 sept 2:				SESSIONAL - I	11/11/22
	8	26 sept- 1 oct 22	6	IV	Analysis of asynchronous sequential circuit-flow table reduction-races-state assignment-transition table and problems in transition table	Brown & Varensic	14-/11/22
9		3Oct- 7Oct 22	6	v	HDL Synthesis:The synthesis concept,timing analysis of logic circuits,efficient coding styles,combinational logic synthesis,partitioning for synthesis	Duglas Perry(chapter 9.page 232- 247)	25/11/22 - Ray
10	- 1	Oct -15 Oct 22	6	VI	Pipelining,Resource sharing,optimising arithmetic expressions,power analysis of FPGA based system		23/11/22
					Device technologies,system representation,levels of abstraction,development task & EDA	Brown & Varensic	



	Oct 22	5	1811	software, Programmable Logic devices: Introduction to place &route process, architecture of CPLD, FPGA XILINX 4000 SERIES, Overview of PLDs, CPLD, FPGA		24/11/22	2		
12	31Oct- 5 Nov 22	1	6	Design examples: ALU,barrel shifter,4*4 keyboard scanner,multiplier	Duglas Perry(Chapter 13- page no.306-307 chapter 10 page no.264)	29/11/22	Lan	5	
13	7 Nov- Nov	1			Revision				
1	28 No 3Dec				SESSIONAL - II				

Subject Teacher Sign

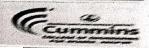
Ac' Sign





Mahar i Karve Stree Shikshan Sams Da's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/ ETC/:

LESSON & TEACHING PLAN for Wireless & Mobile Communication

Faci	ulty Nam	e: Pr	of. A	nand Deshkar			1	: 2022-23	Semo-Will	Subject Code	BESTEMAT	
WEE No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID Video ID I	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for guiz or poll		Aodignmen Vilotorial Date	AC salgo	
1	30 Jan- 4 Feb23	6	I	Evolution of mobile radio comm. cellular telephone sys, freq reuse, channel assignment & handoff			AND ADDRESS OF THE PERSON NAMED IN COLUMN 1	Theodore Rappaport(cha pter1, 1-4, chapter 3,pg		6/2/23 7/2/23		
2	6Feb - 11Feb23	5	II .	Trunking and grade of service, improving capacity in cellular system, causes of propogation path loss, causes of fading long & short term, definition of sample average, statistical average, probability distribution				57-76) Theodore Rappaport(chapt. er3, pg 77-93, chapter 5, pg 177-209)		15/2/23		
3	13 Feb- 18 Feb 23	6	ī	level crossing rate and average distribution of fade, delay spread, coherence bandwidth.				Theodore Rappaport(cha pter 5, pg 177-	State Committee	23/3/23		
4	20 Feb-25 Feb23	5	m	fundamentals of equalization, space polarization, frequency & time diversity techniques				T. Rappaport(cha pter 7, pg 350- 390)	application of the state of the	27/3/23 2 8 /3/23	1000000	



5	27 Feb-4	6		space diversity,		T Rappaport(
3	Mar23		li "	polarization diversity, fundamentals of channel coding		chapter 7, pg 350- 390)	11/4/23	Raul
6	6 Mar -11 Mar23	4		Global system for Mobile services & features, GSM system architecture, GSM radio subsystem, GSM channel type, GSM frame structure		T Rappaport(Chap 11 pg 549- 563)		Kury
7	20 Mar - 25Mar23	4	IV	Signal processing in GSM, Introduction to CDMA digital cellular standard, 3rd generation wireless networks, 3G technologyl			NGES	
8	13 Mar- 18 Mar 2	3			77 6.0	Sessional I	10.	
9	27 Mar- April 2;		v	Difference between wireless & fixed telephone networks, development of wireless network traffic routing in wireless network		T Rappaport (chap 10, pg 491-505)	NOGES	
10)	1/2			RF	TEST	given	india.
11	3 April April 2		2 1	mobile ip & wireless access protocol, operation of mobile ip,collocated address, registration		T.Rappaport,Jo- chen Schiller	Notes	
							given	



	10 April- 15 April 23	5	V&VI	architecture, WML script WAP service, WAP session protocol, Infrared LANs, Spread spectrum LANs, narrow bank microwave LANs		Jochen Schmer	MAG) given	
13	17 April- 21 April 23	5	v	IEEE 802 protocol, architecture, services, 892.11 medium access control, 802.11 physical layer Wireless application protocol, architecture,		T Rappaport (chapter2, pg 25-		
14	24 April- 29 April 23				Sess	sional II		
15	,							



DAY 11 MON v vi 11 ١ TUE v 11 1 WED V I THU v FRI

SAT

CCOEW/ ETC/28-21
LESSON & TEACHING PLAN for Electromagnetic Waves

				Department of Electronic	s & Teleco	mmunicationEngi	neering		
Facu	ity Name	e: Pr	of. A	nand Deshkar	Year	r: 2022-23	Subject Code	BEETC502T	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignmen t/Tutorial Date	AC's sign
1	8Aug- 12Aug 22	5	I	basics of vectors,		Fundamentals of EM Field by A.U.Tinguria	22/8/22)
2	16 Aug-20 Aug22	6	11	concepts of differential surface & differential volume, coulumbs law		Fundamentals o EM Field by A.U.Tinguria	23 18 12 2)	Ra
3	22 aug- 26 aug 22	5		gauss law, divergence theorem, gradient, curl		Fundamental of EM Field b A.U.Tinguria	8(9/	22	
4	29 aug- 3 sept 22	6	ш	basics of magnetic field, biot savert law, ampere circuital law		Fundamenta of EM Field I A.U.Tinguri	ру		



5	5 Sept- 9Sept 22	5		Stokes theorem, maxwell equations for time constant field & time varying field	Fundamentals of EM Field by A.U.Tinguria	12/10/22		7	.*
6	12Sept-17 sept 22	6	17	electromagnetic wave equation, wave propogation in free space, perpect dielectric & perfect conductor	Fundamentals of EM Field by A.U.Tinguria	18/10/22		Ro	ul
7	17 sept- 23 sept 22				SESSIONAL - I				
8	26 sept- 1 oct 22	6	III.	skin effect, poyinting vector, poyinting theorem, snells law	Fundamentals of EM Field by A.U.Tinguria	5/11/22			
9	30ct- 70ct 22	6	v	Brewster angle, TIR, retarded potential, radiation from Hertz dipole, its field equations	EM Waves & radiating systems by Jordan & Balmain	[4/11/22		A	2 augs
10	10 Oct -15 Oct 22	6	Va	induction field, radiation field, total power radiated & equation of radiation resistance, basics of antenna, terminologies		25/11/22			Sun S
	200		V & IV	fundamentals of antenna arrays, basics of waveguide	EM Waves & radiating systems by Jordan & Ralmain		<u>, </u>		



	21Oct 22	5	I&VI	rectangular waveguld with transmission line TM & TEM waves, field equations	Dantant		V	7.	
						30/11/22		14	
12	31Oct- 5 Nov 22	6	TV b	modes in rectangular waveguides, various losses, cutoff frequency & wavelength, phase & group velocities, guide	EM Waves & radiating systems by Jordan & Balmain	20/1		Rai	6
13	7 Nov- 25			wavelength, wave	Revision	30/11/22		J	
14	28 Nov- 3Dec 22				SESSIONAL - II		. 819 		

Subject Teacher sign

Ac's sign





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOFW/FTC / 20-21

Date: 10/ 03 / 2022

				Department of I	Electronics & Te	ele Communication l	Engineering		100				
culty	Name: 🕰	s.Bhattar	shka	-v	Sub: ANALOG SYSTEM DESIGN				Year: 202 <u>7</u> -2 <u>2</u>		Sem:- IV		
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	link for qu	iz or poll	Completion Date	Assignment/Tu torial Date	AC's sign		
2000		** ***********************************		Introduction of OP-Amp		Te brief							
				Basic differential amplier & operation		- 544							
1	20th Mar to	4	LIB I	Basic differential amplier & operation		Op-Amps and Linear							
	24th Mar	Tanan Jana		Op amp parameters		Integrated Circuits			5 5 1 1 1				
			W 7	Ideal op amp and equivalent circuit		by Ramakant	- 1 2 2			-			
			1	voltage transfer curve		A.Gaikwad, Fourth	T T		27/3/23				
			1	1		inverting and Non inverting configuration and Design		Edition 2008 Chapter No 1, Page					4
		100 M	1 1	Inverting and non inverting configuration	- ; x	no 17to 37		10.00		Assignment 1			
2	27th Mar to	5		& design						Assignment	Day		
	1st April		1	Numerical							1		
	A 1			Numerical			-		3/4/23		11		
		服 点:		Numerical					01.11	1. 15 AA	100000		
	17/12/2005	Been To		Numericals					(1) Y 7 (3) (1)				
	2-14			Voltage follower, Summing amplifier		Op-Amps and Linear							
3	3rd Apr to	4		Scaling and Averaging amplifier		Integrated Circuits			1-11/00	Carolis Street N			
	7th Apr	100	200	Instrumentation amplifier and		by Ramakant			15/4/22		1		
		100		applications		A.Gaikwad, Fourth				The state of the s	^		
		7 1123	2			Edition 2008	a Part Spirit	No.	1,1276573.07		6		
			Integrator, Differentiation Chapter No 8, Pa		Chapter No 8, Page				- 177	4 Row			
	10th Apr to	5	- 4	Current to voltage converter		no 330to 395		-	25/22		1,4		
4	15th Apr	,		Voltage to current converter				-	10/01				



VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or	poll	Completion Date	Assignment/Tu torial Date	AC's sign
				Peak detector							0
				Log and antilog amplifier					2/5/23		
				Analog multiplier					5/5/23		1 Ran
	17th Apr to			Numerical					- :		1
5	22nd Apr	4	-	Numerical		Op-Amps and Linear					
				Numerical		Integrated Circuits					
				Comparator circuit		by Ramakant					
			2&3	Schmitt Trigger		A.Gaikwad, Fourth		-			
				Precision rectifier		Edition 2008 Chapter No 8, Page					471.1
8 6	18th Apr to			Multivibrators		no 330to 395					
6	22nd Apr	5	-	Bistable, Monostable, Astable using opamp			6 11 7 11 1				
				Bistable,Monostable,Astable using opamp					11/5/23		la alla
8	1st May to 6th May	6		sample and Hold circuit, 555 timer and its applications, Phase Lock loop		- 200			11/5/23 15/5/23		Route
	25th April t										
	7 28th April	0				Sessional Examinatio	n				
				Numerical		Sessional I Examinatio					
	28th April 29th Mar	4		Numerical						Andrews 2	
	28th April 29th May	<i>Y</i>		Numerical Numerical		Op-Amps and Linear	0			Assignment 2	
9	28th April 29th Mar	<i>Y</i>		Numerical Numerical Unregulated DC power supply system with rectifier		Op-Amps and Linear Integrated Circuits by Ramakant	0				
	28th April 29th May	<i>Y</i>	3&4	Numerical Numerical Unregulated DC power supply system		Op-Amps and Linear Integrated Circuits by Ramakant A.Galkwad, Fourth Edition 2008			23 th Ma		Raul
	7 28th April 25th May 8th May to 13th May	† 6	3&4	Numerical Numerical Unregulated DC power supply system with rectifier Unregulated DC power supply system		Op-Amps and Linear Integrated Circuits by Ramakant A.Gaikwad, Fourth			23 th Ma		Row
	28th April 25th May 13th May 15th May	† 6	3&4	Numerical Numerical Unregulated DC power supply system with rectifier Unregulated DC power supply system with Filters		Op-Amps and Linear Integrated Circuits by Ramakant A.Galkwad, Fourth Edition 2008 Chapter No 8, Page			23 th ma		Ram
9	7 28th April 25th May 8th May to 13th May	4 6	3&4	Numerical Numerical Unregulated DC power supply system with rectifier Unregulated DC power supply system with Filters Design of Series voltage regulators		Op-Amps and Linear Integrated Circuits by Ramakant A.Galkwad, Fourth Edition 2008 Chapter No 8, Page			23thma		Ramy
9	28th April 25th May 13th May 15th May	4 6	3&4	Numerical Numerical Unregulated DC power supply system with rectifier Unregulated DC power supply system with Filters Design of Series voltage regulators Design of Series voltage regulators		Op-Amps and Linear Integrated Circuits by Ramakant A.Galkwad, Fourth Edition 2008 Chapter No 8, Page			23 th ma		Row
9	28th April 25th May 13th May 15th May	6	3&4	Numerical Numerical Unregulated DC power supply system with rectifier Unregulated DC power supply system with Filters Design of Series voltage regulators Design of Series voltage regulators Design of regulator using IC 78**		Op-Amps and Linear Integrated Circuits by Ramakant A.Galkwad, Fourth Edition 2008 Chapter No 8, Page	=		23 th Ma		Row



WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
11	to 27 May	-		Protection circuit for regulators	THE PROPERTY OF THE PARTY OF TH	письгитей специя		the second second second	and the second of	
		8	4	Design of SMPS (Buck&Boost)		by Ramakant				3/4
0.11	8		4	Design of SMPS (Buck&Boost)		A.Gaikwad, Fourth		+		75.100
				Numerical		Edition 2008			Andreas	
12	29th May to	2		Numerical		Chapter No 9, Page		29/5/23	Assignment 3	
12	31st May			Numerical		no 396to 490		29/5/25		()
				Numerical		- 1				1/
	48 May			OPAMP based Wein Bridge and phase shift oscillators				19/5/2	2	
	to			OPAMP based Wein Bridge and phase shift oscillators				131-12		19
13	24 Max			Transistorized Hartley & Colpitts oscillator.		Op-Amps and Linear		23/5/23	1 2 2 5 1 6 1	
	2114		- A	Transistorized Hartley & Colpitts oscillator.		Integrated Circuits by Ramakant A.Gaikwad, Fourth				4 KF (2.2 HP) 100 Age
			1	Crystal Oscillator A.Galkwad, Fourth Edition 2008 Chapter No 7, Page Design of Butterworth Active filters no 265to 329				25/5/23	3	
	25 May							Ray		
14	10	- 1 195	Harry .	LPF						
14	0.0			HPF						
	29 Ma	4		BPF						
		1111		BRF						
				Numerical	The second second	Charledonii 30		26/5/2	3	
	30 may	1		Numerical		Op-Amps and Linear Integrated Circuits by Ramakant		26/5/2	3	
15	150		100	Numerical		A.Gaikwad, Fourth				1 1 - 4 1
	A			Revision	The state of the s	Edition 2008	The Board of the	The Second Con-		
	50 3187 Max	BUG-	The se	Revision		Chapter No 7, Page				- A E-97
	1	America.		Revision		no 265to 329	The Description	100	No. and the	S. Caralin
15	1200 CONT. 100 CO.	The state of the s		ESSIONAL II EXAMINATION				3 - 1 - 1 - 1		10 25 25 00

Prok A 5-Deshkar faculty

ACCOUNT ACCOUNT

College of Englisee Hingma, Hopper-441119

Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2021-22

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in









Maharshi arve Stree Shikshan Samsing CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ ETC/ 21-22

LESSON & TEACHING PLAN for Antenna And Wave Propagation

				Depart	ment of El	ectronics &	Telecommu	nicationEngineerin	g			
Facul	ty Name	e: Dr.	Kan	chan Wagh			Yea	r: 2021-22	Sem:- V	Subject Cod	e: BEETE501T	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
										23/8/21	3	7
	23 Aug -			Transmission line equations and their solution,						24/08/21	-	7
1	27 Aug 21	5		transmission line parameters, characteristics impedance,			Practical			25/08/21		
							examples of TL	۱.		26/08/21		
			i		1 1] 01.12			27/08/21		000
	30 Aug -			propagation constant,				Antenna and		30 08 21		AM
2	4 Sept	6		attenuation constant and phase constant, waveform			-	Wave		0110912		1
	21			distorion ,	A14/D		1	propagation, -		02 09 21		
			I	distorion,	AWP_ppt		1	K.D. Prasad,		03/09(2)		
					_01			Satya		04/09/21		
				distortionless			7	Prakashan		06 [09 2]		
	6 Sept-			transmission lines, loading of	1 1		7	Prakasnan		07/09/21		
- 1	09 Sept	4		transmission lines, reflection				1 1		08 09 2		
. 1	21			coefficent and VSWR,	l					09 09 21		
							NPTEL			14/09/21		
3				Equivalent circuits of	1 1		Lecture					
				transmission lines,			Lecture					
	13 Sept-	- 1		transmission lines at radio			1					
	18 Sept	6	- 1	frequency, open and short								
	21	- 1	- 1	circuited lines, smith chart,								
	1		- 1	stub								
		- 1		matching.								



	20 Sept- 24 Sept 21	5		radiation field, radiation resistance, radiation sphere, near field	AWP_pp			Antenna Theory analysis and design -		
	27 Sept - 2 Oct 21	6	п	, far held directively, small dipole, finite length dipole, half wave length dipole, linear elements near or on infinite perfect conductors, ground effects and their application, folded dipole	t_02			Costantine A. Balanis, John Wiley publication		
	4 Oct - 9 Oct 21						SESSI	ONAL - I	1	
6	11 Oct - 16 Oct 21		п	Small loop, comparisons of small loop with magnetic dipole, radiation pattern its parameters and their application				Theory analysis and design - Costantine A. Balanis, John Antenna		
	18 Oct 22 Oc 21		ш	Linear arrays, planer arrays and circular arrays. Array of two isotropic point sources, non – isotropic sources, principle of pattern multiplication, linear arrays on elements	AWP_pp t_03			Theory analysis and design - Costantine A. Balanis, John Wiley publication		
	25 Oc 9 30 Oc 21	- 1	5 10	broadside, End fire, radiation Pattern, directivity, Beam width and null directions, array factor, Antenna analysi using Dolph-Tschebyscheff, the Log-periodic antenna, th composite Yagi-Uda-Corner- Log-Periodic array	s AWP_pp t_04	,	NPTEL Lecture	Antenna Theory analysis and design - Costantine A. Balanis, John Wiley publication		



1000			V 183					
10	8 Nov - 12 Nov 21	5	IV	Radiation Mechanism of Microstrip antenna, feeding methods, methods of analysis, Multiband Microstrip antenna for Mobile Communication,	AWP_pp t_05	Tutorial	Antenna Theory analysis and design - Costantine A. Balanis, John Wiley publication	
11	15 Nov - 20 Nov 21	6		Circularly Polarized Patch antenna, Rectangular & circular patch, Circular polarization and feed network.			Antenna Theory analysis and	
12	22 Nov 26 Nov 21		v	Simple reflectors, the design of a shaped Cylindrical reflector, Radiation patterns of Reflector Antennas, Dual shaped Reflector Systems Plane reflector, Corner reflector, horn antenna, aperture antenna.	AWP_pp t_05	1	design – Costantine A. Balanis, John Wiley publication	
13	29, 36 Nov 2		v v	Reciprocity in antenna Measurements, Near-Field & Far-Field, Co-ordinate System Sources of Error in antenna measurements, measuremen ranges, measurement of different antenna Parameters antenna ranges, radiation pattern, Gain and directivity, Polarization	t AWP_pp t_06	Will take extra lectures to complete the syllabus as the syllabus is very vast.	Wiley publication	
14	1-Dec- Dec 2	committee of the commit		1		SESSION	AL - II	

College of Engline Hingma, Hogper-441118



Maharshi Karve Stre Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ETC 21-22 Date: 20/08/2021 LESSON & TEACHING PLAN for Industrial Economics and Entrepreneurship Development Department of E & TC Sub:Industrial Economics and Faculty Name: Dr. Priyadarshini Ramteke Year: 2021-22 Sec: Sem:- V **Entrepreneurship Development** Activity/ Virtual Refrence Book -Assignment/ No. Of Unit WEEK link for quiz Completion Exact Topic Name & Subtopic PPt ID Video ID lab link Teaching Chapter no. Page Tutorial AC's sign No. No. Lect. or poll Date Aid no, edition. No Date 16 - 21 Skill Development 1 0 August Industrial Economics: Introduction 23/8/2021 Types of Business structures: Sole 25/8/2021 23-28 Proprietorship 2 4 August 26/8/2021 Partnership Corporation 27/8/2021 30/8/2021 Company Difference between Public and 1/9/2021 Raul 30 August Private Company 4 - 4 Sept Top and Bottom Line of the 2/9/2021 organization Economic Analysis 3/9/2021 Economic Prudence & 4/9/2021 Economies of Operation Revision and university 6/9/2021 6-11 questions 4 4 Sept 8/9/21 12/6/8 Costing



EK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtople	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's	s sign
			**	Market Structures						9/9/21		7	
			•	Perfect Competition	•			·		16/9/21		19	,
	13 - 18	4		Monopolistic Competition & Monopoly				34. 14		17/9/21			
	Sept	*		Oligopoly				4,0 (0)		18/9/21			Ray
				Pricing Strategies	4			DE.		19/9/2]			
			п	Business integration						24/3/21			
	20 - 25	4		Economies and Diseconomies of Scale & Optimum Size of the firm					0 3	27/9/21		K	
	Sept			LPG Policy					-	29/9/2	1	K	
				Business Cycles						30/9/2	1		
				Functions of Central Bank						13/10/2	1		
	20 - 25			Functions of Commercial Banks						18/10/2	. 1		R
	Sept	4		Foreign Direct Investment						22/10/	2.1		14
	21			Free Trade Vs. Protection				7 - E		21/10/	21		11
			ш	Capital Formation						20/10/	121		1
	27 Sept -			Inflation: Types and Causes				2 0		25/10	121		
	2 Oct	4		Inflation: Control and Effects						28/1	0/21		1

Hingna,
Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441119

**System | Hogper-441

ĸ.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
+			400	Deflation and Stagnation						29/10/21		Rank
	4 - 9 Oct						Sessional	I				
1	photograph with			Public Private Partnership						30/10/21		
-			III	Inclusive Growth						30/10/21		/
	11 - 16 Oct	4		Sources of finance	19					10/11/21		5
				Venture Capital and Angel Funding			4.1			11/11/21	- 1	
1				Capital Structure				1 2 n - 9	18	17/11/21		
	18 - 23		V	Working Capital					-8	15/11/21		
	0ct	4		Break Even Analysis						23/9/2	1	
				Network Analysis Techniques: PERT/CPM						20/11/23		Ray
1				Taxation						18/11/2		
	25 - 30			Small Scale Industries: Features and Problems						24/11/2		
	Oct	4	VI	Sickness in SSIs						25/11/3	21	
1	2.	-		Technical Consultancy Organizations			*	5		22/11/	21	P
1	l - 6 Nov			7537 aug		Γ	Diwali Vac	ation				
T				Government Policies to SSIs						26/11	15/	17
	a)		VI	Tax Benefits and other Incentives to SSIs	ld e	8				20/11/	121	194





EEK lo.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sig	gn
4	8 - 13 Nov	4		Entrepreneurship Meaning and Concept Factors affecting entrepreneurship								>	
			IV	growth								16	
				Motives influecing entrepreneurship								\prod	
15	15 - 20 Nov	4		Project formulation								\perp	-
	1404			Product Development						1		11	
				Market Survey and Research						SEMI	NAR	1	2a
			īv	Demand forecasting Techniques	J.			3	1.37		, the		
16	22 - 27	4		Techono-economic feasibility assessment	l i								
10	Nov			Preparation of Project Report			0						
				Sources of information		-	27 A					\mathcal{A}	
17	29-30 No	2		Question Papers/Out of Syllabus								1	-1
1/	23-30 110			topics			¥.	*		<i>J</i> .			
18	1 - 8 Dec						Sessiona	lu			74		

Dringho

Sub. Teacher

The said





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ ETC/ 20-21

Date: 10/03/ 2022

LESSON & TEACHING PLAN for Microwave & RADR Engineering

aculty Nam	e: As	st.Pr	of. A.K.TRIPATHI	Yea	ır : 2021-22	Sem:- IV	Subject Code	a: BEETC-407T	
Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
10 Mach- 12 March 22	3		Skill Development Workshop		1				
14 Mach- 19 March 22	6		Skill Development Workshop, Introduction to Java				19-03-22		17
21 Mach- 26 March 22	5		Features of Java, Byte Code and Java Virtual Machine, JDK, Data types, Operator, Control Statements – If , else, nested if, if-else ladders				24-03-2	2 22	+
28 Mach- 02 April 22	6		Switch, while do-while for for-each	2021-12	reterence", McGraw Hill, Osborne, 7th Edition, 2011.		01-04-2	-22	
AND STATE OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE P	Week 10 Mach- 12 March 22 14 Mach- 19 March 22 21 Mach- 26 March 22	Week Of Lect. 10 Mach- 12 March 22 3 14 Mach- 19 March 22 6 21 Mach- 26 March 22 5	Week Of Lect. Unit No. 10 Mach-12 March 22 6 March 22 5 1 28 Mach-26 March 26 1 1	Week Of Lect. No. Exact Topic Name & Subtopic 10 Mach- 12 March 22 3 Skill Development Workshop 14 Mach- 19 March 22 6 Skill Development Workshop, Introduction to Java Features of Java, Byte Code and Java Virtual Machine, JDK, Data types, Operator, Control Statements – If, else, nested if, if-else ladders	Week No. Unit No. Exact Topic Name & Subtopic link Teaching Aid 10 Mach- 12 March 22 3 Skill Development Workshop 14 Mach- 19 March 22 6 Skill Development Workshop, Introduction to Java Features of Java, Byte Code and Java Virtual Machine, JDK, Data types, Operator, Control Statements – If , else, nested if, if-else ladders 28 Mach- 02 April 22 6	Week Of Lect. Vno. Unit No. Of Lect. Vno. Exact Topic Name & Subtopic Unit No. Chapter no. Page no,edition. No No. 10 Mach-12 March 22	Week Of Lect. Voic Lect. Voic Exact Topic Name & Subtopic Lect. Voirtual lab link Teaching Aid Refrence Book Chapter no. Page no,edition. No Ilink Teaching Aid Skill Development Workshop 10 Mach- 12 March 22 6 Skill Development Workshop, Introduction to Java Features of Java, Byte Code and Java Virtual Machine, JDK, Data types, Operator, Control Statements – If, else, nested if, if-else ladders Peclipse IDE 2021-12 Herbert Scheldt, "Java the complete reference", McGraw Hill, Osborne, 7th Edition, 2011.	Week Of Lect. No. Unit No. Exact Topic Name & Subtopic Skill Development Workshop Introduction to Java 10 Mach- 12 March 22 5 Features of Java, Byte Code and Java Virtual Machine, JDK, Data types, Operator, Control Statements - If, else, nested if, if-else ladders Switch while dowthile for for each 28 Mach- 02 April 22 6 Switch while dowthile for for each Switch while dowthile for for each Switch while dowthile for for each Activity/ Virtual lab link Teaching Refrence Book - Chapter no. Page no, edition. No Iink for quiz Completion Date Page no, edition. No Ink for quiz or poll Ink for quiz Completion Date Page no, edition. No Ink for quiz or poll Ink for quiz Completion Date Page no, edition. No Ink for quiz Completion Date Page no, edition. N	Week No. Of Lect. Virtual Subtopic Lect. Virtual Subtopic Lect. Virtual Subtopic Lect. Virtual Subtopic Lect. Virtual Subtopic Lect. Virtual Subtopic Skill Development Workshop Skill Development Workshop Skill Development Workshop Skill Development Workshop Introduction to Java Features of Java, Byte Code and Java Virtual Machine, JDK, Data types, Operator, Control Statements – If , else, nested if, if-else ladders Period Statements – If , else, nested if, if-else ladders Subtopic Subtopic Skill Development Workshop Introduction to Java Skill Developme



5	04 April- 09 April 22	5		Class, Object, Object reference, Constructor, Constructor Overloading, Method Overloading, Recursion, Passing and Returning		Herbert Scheldt, "Java the complete	12-04-22 19-04-22 21-04-22	
6	11 April- 16 April 22	6	II	new operator, this and static keyword, finalize() method, Access control, modifiers, Nested class, Inner class, Anonymous inner class, Abstract class.	2021-12	reference", McGraw Hill, Osborne, 7th Edition, 2011.	22-04-22 26-04-22 25-04-22) Raul
7	18 April- 23 April 22	5		Use of Inheritance, Inheriting Data members and Methods, constructor in inheritance, Multilevel Inheritance – method overriding,		T. Budd, "Understanding Object- Oriented Programming with		ě
8	25 April- 30 April 22	6	m	Handle multilevel constructors – super keyword, Stop Inheritance - Final keywords.	Eclipse IDE 2021 ° 12	Herbert Scheldt, "Java the complete reference", McGraw Hill, Osborne, 7th Edition, 2011.		
9	02 May- 07 May 22	6		SESSIONAL-1				
10	09 May- 14 May 22	5	IV	Interface: Interfaces vs. Abstract classes, defining an interface, implement interfaces, accessing implementations through interface references, extending interface.	Eclipse ID	Herbert Scheldt, "Java the complete reference", McGraw		
11	1 16 May- 21 May 22 6 Packages: Defining	Packages: Defining, creating and accessing a package, understanding Cla	2021-12 ss	Hill, Osborne, 7th Edition, 2011.				
12	23 May- 28 May 22	5		path, importing packages.			-	



13	30 May- 04 June 22	6		Exception Handling: Benefits of exception handling, the classification of exceptions, exception hierarchy,					
14	06 June- 11 June 22	5	v	usage of try, catch, throw, throws and finally, re-throwing exceptions, GUI components in Java, Introduction to Database Connectivity.	Eclipse IDE 2021-12	Herbert Scheldt, "Java		= =	
15	13 June- 18 June 22	6		I/O Streams: Concepts of I/O streams, Reading console Input and Writing Console output, File Handling.		the complete reference", McGraw Hill, Osborne, 7th Edition, 2011.			
16	20 June- 25 June 22		;	INTERNAL PRACTICAL			Lik		
17	27 June- 02 July 22		5	SESSIONAL-II					





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



OEW/ ETC/ 20-21 -

Date: 10/01/2022

LESSON & TEACHING PLAN for Microwave & RADR Engineering

			Department of	Electronics & T	elecommunicationEngineeri	ng			
	Fa	culty	Name: Asst.Prof.A.K.Tripathi	Y	/ear: 2021-22	Sem:- VIII	Subject Cod	le: BEETE805T	
Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter s	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
10 JAN- 15 JAN 22	5		Skill Development Workshop						5
17 JAN-22 JAN 22	5		nMOS enhancement and pMOS enhancement transistor,		"Principal of CMOS VLSI		21-01-22 24-01-22		
24 JAN-29 JAN 22	6	I	threshold voltage ,body effect, MOS effect		design", Neil H. E. Weste, K. Eshraghian, Addison Wesley VLSI		28-01-22	2	
31 JAN - 05 FEB 22	4		MOS device equations, small signal model for MOS transistor		Series.		28-01-22		Rank
07 FEB - 12 FEB 22	6	П	Principle of operation, dc characteristics, transient characteristics, n/p ration, noise margin		"Principal of CMOS VLS design", Neil H. E. Weste, K. Eshraghian,	1	59-01- 27		
14 FEB - 19FEB 22	5	II	static load MOS inverter, transmission gate, introduction to Bi-CMOS inverter.		Addison Wesley VLSI Series.		07 -02-22		

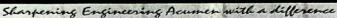


_							
	21 FEB - 25FEB 22	5			SESSIONAL - I		
8	28 FEB - 05 MARCH 22	5	ш	Study of combinational logic, gates, compound gates, multiplexers, and memory elements using CMOS technology.	"Principal of CMOS VLSI design", Neil H. E. Weste, K. Eshraghian, Addison Wesley VLSI Series.	04.02-22 05-03-22	7
9	07 MAR - 12 MARCH 22	5	IV	Resistance and capacitance estimation, switching characteristics, power dissipation, charge sharing.	"CMOS VLSI Design" , Pucknell & K. Eshraghain, PHI	10-02-22	Roul
10	14 MAR - 19 MARCH 22	5	v	VLSI processing integration, layout design rules, and stick diagram representation latch up, CMOS circuits and logic design: transistor sizing, fan-in, fan-out and physical	Publications "Principal of CMOS VLSI design", Neil H. E. Weste, K. Eshraghian, Addison Wesley VLSI Series.	18-02-22 02-03-22 05-03-22 07-03-22 04-03-22	Raule
11	21 MAR - 26 MARCH 22	5		Types of fault, stuck open, short, stuck at 1, 0 faults, Fault coverage, Need of Design for Testability (DFT), Controllability, predictability, testability,	Series.	10-03-22	
12	22	3	IV	Built In Self Test (BIST), Partial and full scan check, Need of boundary scan check, JTAG, Test Access Port (TAP) controller.	"Digital Interrogated circuits, A Design Perspective", J. M. Rabaey, A. Chandrakasan, and B. Nikolic., PHI Publications.	26-03-22	Rank
13	04 APRIL - 09 APRIL 22				SESSIONAL - II	7	,





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/CT/ 20-21

LESSON & TEACHING PLAN for Digital Circuits & Fundamental of Microprocessor

				De	epartment of	Computer Techno	ology			
Facu	lty Nam	e: As	st.Pr	of.A.K.Tripathi	Year	: 2021-22	Sem:-III	Subject Co	de: BECME302T	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/ Tutorial Date	AC's sign
1	27 Sept 21 - 2 Oct	5		Logic and Boolean algebra, Number				2 3- 0-21		
2	4 Oct - 8 Oct	4		Systems. Logic Gates &		Si .	3		- A2	
3	11 Oct - 16 Oct	5	1	Truth Tables, Demorgan's law, Minimization of						
4	18 Oct - 22 Oct	4		combinational circuits using						
5	25 Oct - 30 Oct	5		Karnaugh maps upto five variable.			×	5-11-21		
6	1 Nov - 6 Nov					DIWALI VACAT	TION			
7	8 Nov - 13 Nov					SESSIONAL EX	AM I			
8	15 Nov - 20 Nov	5		Multiplexers, Demultiplexer, Fncoders			P g	17-11-21		



, ,		_			Luc Code		
9	22 Nov - 26 Nov	4	2,3	Cor ,S ,F	ecoders ,Code nverters, Adders subtractor (Half ull),BCD Adder/	06-12-21	
10	29 Nov - 4 Dec	5			and carry look- ahead adder Input equations,	68-12-21	
11	6 Dec - 10 Dec	4	3,	1	state table, analysis with J-K Flip flops.Design Counters,	27-12-21	
1	13 Dec - 18 Dec	1 2	, ,	1,5	asynchronous and synchronous Programmable logic Devices: Read only Memory ROM	31-12-21 31-12-21 01-01-22	
1	20 Dec 24 Dec		4	6	8085 and interrupt structure and		
	27 Dec 1 Jan 2			<u> </u>		SESSIONAL EXAM II	

Armel





Maharshi Karvo Stroo Shikshan Samstho's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering According with a difference



				Department of Electronics & T	ere comm	unication engineering		Year: 20	21 22	Sem:-1
Faculty Na	ame: Prof.V	aijaγanti	H. Panse				-	Year: 20	-	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPT ID	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Date	Assignment /Tutorial Date	AC's sig
		1		Introduction, Syllabus Discussion				27/09/2021		7
		2	1 1	Logic gates and truth tables, Number Systems				28/09/2021		/
	27th Sept -	3	1 1	Octal, Hexadecimal numbers				30/09/2021		7_
1	2nd Oct	4	ł ł	BCD. Excess-3 codes		1. Morris Mano, "An		4/10/2021		10
		5	1 1	Gray codes, code conversion examples		approach to Digital Design",		7/10/2021		10
		6	- I	Boolean Algebra rules, DeMorgon's law		Pearson Publication		8/10/2021		112
		7	1	SOP and POS forms		2. R.P. Jain "Modern Digital		11/10/2021		
2	4th Oct - 8		-	Minimization of logic function using Boolean Algebra		Electronics", TMH		28-10-21	Ī	
	Oct	8	-	Minimization of logic function using Boolean Algebra		Publications		28-10-21		
		9	- 1	Minimization of logic function using Boolean regenta				51-1D-21		
	1	10	4 1	Minimization of logic function using K-map		1	10	2-11-21		
	11 Oct - 16	11	-l -l	5 variable K-map	-	-		5-11-21		
3	Oct	13		Introduction to logic families				17-11-21		
		14	1 1	Arithmetic circuits, adders, subtractors				17-11-21		
	-	15	1 1	ALU, Comparator				21-11-21		
1	18 Oct - 22		+ 1	Parity generator, checker, Multiplexer		. Morris Mano, "An approach to	2	5-11-21		
4	Oct	17	-	Use of multiplexer in combinational logic design		Digital Design*, Pearson Publication 2.		8-11-21		
		18	2	Use of multiplexer in combinational logic design		R.P. Jain "Modern Digital		26-11-21		
-		19	1 1	Multiplexer tree, Demultiplexer		Electronics", TMH Publications		01-12-21		
1	7	20	1 1	Encoders and decoders				3-12-21		
5	25 Oct - 30	21	1 1	Encoders and decoders				4-12-21		
-	Oct	22	1 1	BCD to &-segment decoder, Code converters				6-12-21		
1		23	1 1	Online Quiz				6-12-31		
7	1st Nov - 6	_			DIWALI V	ACATION				
	8th Nov - 13				essional I E	xamination	*			
	Nov	24	- 1	1 bit memory cell, SR flipflop				94-12-21		
		24	-	JK. MS-JK flip flop				7-12-21		
	15th Nov -	25	-{	D and T flip flop, use of preset and clear		Morris Mano, "An approach to bigital Design", Pearson Publication		8-12-21		
8	20 Nov	27	3	Excitation tables of flip flop		2. R.P. Jain "Modern Digital		0-12-31		-
		28	1 ° 1	Conversion of flip flops		Electronics", TMH Publications		2-12-21		-
	-	28	1 1	Conversion of flip flops		Electronica , man i donestrona		2-12-21		
	22nd Nov-	30	1 h	Registers, shift registers				23-12-21		
9	26th Nov	31		Counters, ring counter				27-12-3		



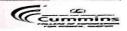
		32		Twisted ring counter	T	
	-	33		Sequence generator	1 Morris Manual	
0	29th Nov -	35	4	Ripple counters	Morris Mano, "An approach to Digital Design", Pearson Publication	27-12-21
	4th Dec	36		Up/Down counters	2. R.P. Jain "Modern Digital	27-12-21
	1 -			Synchronous counters	Electronics", TMH Publications	29-12-21
	-	37		Synchronous counters, lock out	, iviii Fublications	22-12-21
	6th Dec - 10	38		Introduction to Intel 8085		30-12-21
1	Dec	39		Architecture Description		30-12-21
	l oec	40		Architecture Description		31-12-21
		41		Architecture Description	-	1 2 - 2
	1	43	_	Pin Description		
12	13th Dec -	43		Addressing Modes	1. Ramesh Gaonkar,	
	18 Dec	45	5	Addressing Modes	"Microprocessor	17
	1 1	46	_	8085 Instruction Set	Architecture, Programming,	
		47	—	8085 Instruction Set	Applications with the 8085",	
	20th Dec -	48	<u> </u>	Assembly Language Programming	Penram International Publications	1/4
13	24th Dec	49	 	Assembly Language Programming		
		50	-	Interrupts	—	01-01-22
15	27th Dec -			Online Quiz 2		
13	1st Jan				Sessional II Examination	5 (-5 0.0)

Prof. Valjayanti Panse (Faculty In Charge)

Kingna, Hogper-441118



Maharshi Karve Stree Shikshan Samstho's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Faculty Name: Prof. Va WEEK No. Week 1 23rd Aug - 27th Aug - 27th Aug - 2 30th Aug - 04th Sept - 3 05th Sept - 3 05th Sept - 3 13th Sept - 18th Sept	No. Of tect. 1 2 3 4 5 6 7 8 9 10 11 11 12	Unit No.	Exact Topic Name & Subtopic Introduction Shannon Fane Coding Huffmann coding Huffmann coding Huffmann coding Arithmetic coding Arithmetic coding dictionary techniques LZW LZW, family algorithms LZW, family algorithms Entropy measures of performance and Quality measures Tutorial Digital Audio Lossy sound compression µ-law and A-law companding µ-law and A-law companding	PPT ID	Refrence Book - Chapter no. Page no,edition. No Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression - David Salomon, Springer Publication, 4th Edition, Introduction to Data Compression - 4th Edition, Khalid Sayood Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression - the Edition, Khalid Salomon, Springer Publication, 4th Edition. Introduction to Data Compression - the Edition, Khalid Sayood		Completion Date 23 08 21 24 08 21 25 08 21 26 08 22 31 08 22 31 08 22 31 08 22 41 09 21 81 09 21 81 09 21 20 09 21 20 09 21 21 09 21	Assignment / Tutorial Date Bate Iulo 121 Activity	ACS
2 30th Aug - 2 30th Sept 3 06th Sept 9 13th Sept 1 3th	2 3 4 5 6 7 8 9 10 11 11 12 13 15		Shannon Fano Coding Huffmann coding Huffmann coding Huffmann coding Arithmetic coding Arithmetic coding dictionary techniques LZW LZW, family algorithms LZW, family algorithms Entropy measures of performance and Quality measures Tutorial Digital Audio Lossy sound compression µ-law and A-law companding µ-law and A-law companding		Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid Sayood Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition.		24108121 25108121 26108121 1108121 1108121 2109121 4109121 8109121 8109121 9109121 9109121 20109121	14/09/21	7
2 30th Aug - Cotth Sept 3 06th Sept 9 13th Sept 1 13th Sept 1 3th Sept 1 13th Sept 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 3 4 5 6 7 8 9 10 11 11 12 13 15		Shannon Fano Coding Huffmann coding Huffmann coding Huffmann coding Arithmetic coding Arithmetic coding dictionary techniques LZW LZW, family algorithms LZW, family algorithms Entropy measures of performance and Quality measures Tutorial Digital Audio Lossy sound compression µ-law and A-law companding µ-law and A-law companding		Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid Sayood Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition.		257 c 3 2 25 c 3 2 2 2 2 2 2 2 2 2	14/09/21	
2 30th Aug - 04th Sept 3 05th Sept 3 13th Sept 13th Sept 13th Sept 13th Sept 13th Sept 13th Sept 15th Aug - 05th Sept 15th Sep	3 4 5 6 7 8 9 10 11 11 12 13 15		Huffmann coding Huffmann coding Arithmetic coding Arithmetic coding Arithmetic coding dictionary techniques LZW LZW, family algorithms LZW, family algorithms Entropy measures of performance and Quality measures Tutorial Digital Audio Lossy sound compression µ-law and A-law companding µ-law and A-law companding		Introduction to Data Compression 4th Edition, Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid Sayood Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid		20108121,391 31108121 1108121 2109121 4109121 6109121 8109121 8109121 1109121 20109121	14/09/21	
2 30th Aug - 04th Sept 3 05th Sept 13th Sept 13th Sept	4 5 6 7 8 9 10 11 11 12 13 15		Huffmann coding Arithmetic coding Arithmetic coding Arithmetic coding dictionary techniques LZW LZW, family algorithms LZW, family algorithms Entropy measures of performance and Quality measures Tutorial Digital Audio Lossy sound compression µ-law and A-law companding µ-law and A-law companding		Compression 4th Edition, Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid Sayood Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid		3109121 1109121 2109121 4109121 6109121 8109121 9109121 16109121 20109121	14/09/21	
2 04th Sept 3 05th Sept 09th Sept 13th Sept	5 6 7 8 9 10 11 11 12 13 15		Arithmetic coding Arithmetic coding dictionary techniques LZW LZW, family algorithms LZW, family algorithms Entropy measures of performance and Quality measures Tutorial Digital Audio Lossy sound compression µ-law and A-law companding µ-law and A-law companding		Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid Sayood Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid		1109121 2109121 4109121 6109121 8109121 9109121 16109121 20109121		
2 04th Sept 3 05th Sept 09th Sept 13th Sept	6 7 8 9 10 11 11 12 13 15		Arithmetic coding dictionary techniques LZW LZW, family algorithms LZW, family algorithms LZW, family algorithms Entropy measures of performance and Quality measures Tutorial Digital Audio Lossy sound compression µ-law and A-law companding µ-law and A-law companding		Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid Sayood Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid		2 09 2 4 09 2 6 09 2 8 09 2 9 09 2 9 09 2 16 09 2 20 09 2		
2 04th Sept 3 05th Sept 09th Sept 13th Sept 13th Sept 1	7 8 9 10 11 11 12 13 15		dictionary techniques LZW LZW, family algorithms LZW, family algorithms LZW, family algorithms Entropy measures of performance and Quality measures Tutorial Digital Audio Lossy sound compression µ-law and A-law companding µ-law and A-law companding		Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid Sayood Data Compression - David Salomon, Springer Publication, 4th Edition, Introduction to Data Compression 4th Edition, Khalid		4109121 6109121 8109121 8109121 9109121 16109121 20109121		
2 04th Sept 3 05th Sept 09th Sept 13th Sept 13th Sept 1	8 9 10 11 11 12 13 15 15		LZW, family algorithms LZW, family algorithms Entropy measures of performance and Quality measures Tutorial Digital Audio Lossy sound compression µ-law and A-law companding µ-law and A-law companding		Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid Sayood Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid		4109121 6109121 8109121 8109121 9109121 16109121 20109121		
2 04th Sept 3 05th Sept 09th Sept 13th Sept 13th Sept 1	9 10 11 11 12 13 15		LZW, family algorithms Entropy measures of performance and Quality measures Tutorial Digital Audio Lossy sound compression µ-law and A-law companding µ-law and A-law companding		Introduction to Data Compression 4th Edition, Khalid Sayood Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid		6 09 2 8 09 2 8 09 2 9 09 2 16 09 2 20 09 2		
3 05th Sept- 09th Sept	10 11 11 12 13 15		Entropy measures of performance and Quality measures Tutorial Digital Audio Lossy sound compression µ-law and A-law companding µ-law and A-law companding		Compression 4th Edition, Khalid Sayood Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid		8109121 9109121 16109121 20109121		
3 09th Sept	11 11 12 13 15		Tutorial Digital Audio Lossy sound compression µ-law and A-law companding µ-law and A-law companding		Khalid Sayood Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid		8109121 9109121 16109121 20109121	Activity	
3 09th Sept	11 12 13 15		Digital Audio Lossy sound compression µ-law and A-law companding µ-law and A-law companding		Data Compression - David Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid		9109121 16109121 20109121		_
3 09th Sept	12 13 15		Lossy sound compression µ-law and A-law companding µ-law and A-law companding		Salomon, Springer Publication, 4th Edition. Introduction to Data Compression 4th Edition, Khalid		16109121 20109121		
3 09th Sept	13 15 15	1	μ-law and A-law companding μ-law and A-law companding		4th Edition. Introduction to Data Compression 4th Edition, Khalid				
09th Sept	15 15	1,	μ-law and A-law companding						
	15		• (20 CONTROL OF CONTR		Sayood	1	21/03/21	1	1
		1 .			Juj cou			-	_
			DPCM audio compression		Data Compression - David		22/03/21		
		1 '	ADPCM audio compression		Salomon, Springer Publication,		27/09/21		
		1	MPEG audio standard		4th Edition. Introduction to Data		2819121		_
25.55		1	Frequency domain coding		Compression 4th Edition, Khalid		30/09/21		_
	20	1	Frequency domain coding		Sayood		30/09/21		
1	21	-	Format of compressed data	1			11/10/21		
	22		Lossless techniques of image compression		Data Compression - David		11/10/21		_
	23	-	Gray codes, Two dimensional image transforms		Salomon, Springer		11/10/21		-
5 20th Sept-	24	-	Gray codes, Two dimensional image transforms	,	Publication, 4th Edition.		n Fin 121		1
24th Sept	25	-	JPEG, JPEG 2000		Introduction to Data		11/10/21		1
1	25	-	JPEG, JPEG 2000		Compression 4th Edition,		11/13/21		<u> </u>
	27	- 3	Predictive Techniques PCM		0.00		11/10/21		_
	28		DPCM. Video compression		Data Compression – David Salomon, Springer Publication, 4th		11/13/21		1
27th Sept-		-	DPCM. Video compression		Edition, Introduction to Data		11/10/21		\bot
6 Olst Oct		┥	MPEG industry standard.		Compression 4th Edition, Khalid		11/10/21		_
oust out	31		Online Quiz		Sayood Sayood	Online Quiz - 1 (01/10/21)			



		32		Introduction, Types of attacks		200			
	100000000000000000000000000000000000000	33		Steganography, Data Encryption Standards		1	8-10-21		\neg
8	11th Oct-	34		Data Encryption Standards	Cryptography and Network Security		7-10-31		\dashv
	16th Oct	35	4	Block Cipher Principle	- William Stallings, Pearson		35-10-21		\dashv
- 4	_	36		S-box design	Education Asia Publication		26-10-21		-
		37		S-box design			27-10-21		_
		38		Triple DES with two three keys			28-10-21		_
1	18th Oct -	39		Tutorial	Combonia		10-11-21		_
9	22nd Oct	40		Euler's theorems	Cryptography and Network Security		11-11-21		
	ZZIId OCC	41		Chinese remainder theorem	- William Stallings, Pearson		15-11-21		
		42		Principles of public key cryptography	Education Asia Publication		15-11-21		
		43		Principles of public key cryptography		1	16-11-21		
	l t	44	+	RSA algorithm			16-11-21		
100	25th Oct-	45	- t	RSA algorithm	Cryptography and Network Security		16-11-21		_
10	30th Oct	46	-		- William Stallings, Pearson		16-11-21		
		47	5	Diffie-Hellman Key Exchange	Education Asia Publication		17-11-21		_
	1	48	1	Elliptic curve cryptology			17-11-21		
	1	49	1	Message authentification and Hash functions			18-11-21		_
		50	1	Message authentification and Hash functions			18-11-21		_
11	08th Nov-	51	1	Hash and Mac algorithms	Cryptography and Network Security		18-11-11	-	_
	12th Nov	52		Hash and Mac algorithms	– William Stallings, Pearson		18-11-21		_
	1	170,170,1	1	Digital signatures	Education Asia Publication		18-11-21		_
		53		Digital signatures			18-11-21		_
		54		Intruders, Viruses, Worms, firewall design			79-11-21		_
		55	1	Intruders, Viruses, Worms, firewall design	Cryptography and Network Security	107 82	20-11-21		_
12	15th Nov-	56	1	Antivirus techniques, digital Immune systems	- William Stallings, Pearson		72-11-21		_
	20th Nov	57	6	Antivirus techniques, digital Immune systems	Education Asia Publication		22-11-21		_
	1	58		Certificate based & Biometric authentication	Ecocation Asia rabilication		23-11-21		_
		59	1	Secure Electronic Payment System			25-11-21		
		60		Secure Electronic Payment System		Online Quiz - 2 (22/11/21)			
13	22nd Nov-	61		Revision		1 22/22/			_
15	26th Nov	62	1				1		_
	1	63							_
		64							_
14	29th Nov-								_
14	30th Nov	66							
15	01st Dec- 08th Dec				Sessional II Examination				

0



	Oct - 9 Oct 21					Y	SES	SSIONAL - I
	11 Oct - 6 Oct 21	6	m		ritical path, unfolding d retiming Application of unfolding.	ppt_03		Kung, S.Y., H.J. While house T. Kailath "VLSI and Modern singal processing", prentice hall.
	18 Oct - 22 Oct 2		\	1	Introduction Folding ransformation, Register minimization in folded architectures, Folding in Multirate systems.	P_ppt_04	Video lecture by Dr. S.S. Limaye	Wiley-Inter Sciences. 1999
8	25 Oct 30 Oct		-		Folding in Multirate systems.	г_ррг_оч	NPTEL Lecture	Wiley-Inter Sciences. 1999
9	8 Nov		5		Toom algorithm,	/SP_ppt_05	Video lecture Dr. S	by Processing Systems" S. Wiley-Inter
1		Nov - Nov 21	6			VSP_ppt_05	Tul	Keshab K. Parhi. "VLSI Digital Signal Processing Systems" Wiley-Inter
		Nov - Nov 21	6		Iterated convolution, Cyclic Convolution,	VSP_ppt_06		Sciences. 1999
	12 29.	, 30 Nov 21	:	2	Design of Fast Convolution Algorithm b Inspection	VSP_ppt_06	5	Keshab K. Parhi. "VLSI Digital Signal Processing Systems" Wiley-Inter Sciences. 1999



13 | 1-Dec-8 Dec 21

SESSIONAL - II





Maharshi (proc Stree Shikshan Samsthe ; CUMMINS COLLEGE OF ENGINEERING FOR WOMEN with a difference



CCOEW/ETC / 21-22

Date: 17/ 8 / 2021

culty N	lame: Prof. J	aya Ga	dge		Sub: Analog C			ircuit Design		Year: 20)21-22	Sem:-V
EEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignme nt/Tutoria Date	AC's sign
				Introduction , Block diagram of opamp						23/08		
1	23rd Aug - 27th Aug	5	1	Basic differential amplifier using transistor DIBODA		* -		2				
				Basic differential amplifier using transistor . DIUBODA				Operational		01109		>
	201			Basic differential amplifier using transistor SIBODA				Amplifier and Applications: R. Gayakwad Page No 1- 61		03/89		Rang
2	30th Aug - 04th Sept	6	I	Basic differential amplifier using transistor SIUBODA						06109		
			2	Tutorial s						1	Tutorial	
34				Constant current bias						-		-
				Cascading Amplifier								
	0			Level Translator				Operational Amplifier and		\$109		

College of Engl

VEEK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Chapter no. Page no,edition. No	or poll	Completion Date	nt/Tutoria I Date	AC's sign
3	06th Sept- 09th Sept	4	I	Opamp and its symbol equivalent circuit, ideal transfer curve				Applications: R. Gayakwad Page No 62-89		1) 2418		
				Opamp Parameters					under the second	1		7
				Open loop Configration of opamp	8			Operational Amplifier and		2718		Ray
				Closed loop and feedback amplifier	-1			Amplifier and Applications: R. Gayakwad Page No		1419		
			I	NINV Amplifier and Volt follower	5.9			90-122	Ashin	1749		<i>J</i>
4	13th Sept- 18th Sept	6		INV Amplifier Virtual ground concept								
				Voltage follower						1819		
			II	Summing amplifier, scaling and averaging amplifier				Operational				
	ļ		1 7	Integrator and differentiators (Practical considerations and design)			-	Amplifier and Applications: R. Gayakwad Page No	. 10			
				Instrumentation amplifier				90-122				
5	20th Sept- 24th Sept	5	II&II	I Peak detector								
	Z-till Sept			Log and antilog amplifiers using OP-Amp				Operational Amplifier and		1	H 1 1	
				Transistor and analog multipliers				Applications: R.				
			1	Comparators, Schmitt trigger				Gayakwad Page No236-286		031	3	-
				Clipper and Clamper				Operational		1	<u> </u>	
	27th Sept-	5	III	Precision Rectifier				Amplifier and Applications: R.			,	
6	01st Oct	3	111	PLL				Gayakwad Page				
	ty in Cha		J.	Bistable, Monostable, Astable multivibrator using 555			National Association of the Control	No236-286		271	9	



/EEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Reflecce Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignme nt/Tutoria I Date	AC's sign
	04th Oct- 09th Oct	H		A. A. 经销售信息的基础			essional-1		111	All and the second		
- 1				Sample/Hold circuits, D/A (R/R)						TA		
				A/D conversion circuits						2010	3	+
8	11th Oct-	6	Ш	design of ADC using 0804 ICs.				Operational Amplifier and		30	la	
	16th Oct			- ·				Applications: R. Gayakwad Page I		111		
				Unregulated D.C. power supply rectifiers				1- 207			-	
				Unregulated D.C. power supply filters				-		7	,	
				Design of series voltage regulators						13		
				Design of regulators using IC 78×× and 79××			,	-		16	110	
9	18th Oct - 22nd Oct	5	IV	protection circuits for regulators,				Monograph or Electronic circu Design: Goyal	it			
				Design of SMPS (Buck & Boost)				Khetan.				
			}	Tutorial Tutorial on above topics						1,2	Tut	orial
				OPAMP based Wein Bridge osc						18	NID	
				Phase Shift oscillators						1	1	
••	25th Oct-		,,	Transistorized Hartley							1	
10	30th Oct	6	V	Colpitts oscillator								
	-			Tutorial Tutorial on above topics							20/10	Tutorial
				Crystal oscillators,							Som	
acu	lty in Ch	100	1	Types of oscillator based on signal generator				Operat	The Control of the Co		2/11	



WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Chapter no. Page no,edition. No	link for quiz or poll	Completion	Assignme nt/Tutoria I Date	AC's sign
				Evaluation of figure of merit oscillators circuits.			70	Applications: R. Gayakwad page No		12/11		
			ill	Design of function generators				289-340				
11	08th Nov- 12th Nov	6	V &VI	Advantages of active filters, Design of Butterworth Active Filter	1.1		1 1			-		
				Design of Active filter of LPF,HPF								
				Design of Active filter of BPF			1	Operational Amplifier and Applications: R.		2011		27"
				Design of 2 and upto 6 th order filter				Gayakwad page No 34 380	15	221	11	
	15th Nov		- 3	Design of Relay driver circuit,								
12	20th Nov	1 6	VĮ	Design of stepper motor control circuit				Notes				
				Design of Dc servo motor control circu	it		2 V 1			\perp		
				Tutorial Tutorial on above topics						10	641	
13	22th No		5 .	Revision						103	12/24	
	7 01th Dec						Sessional-II	- 1967 達開				

Subject Teacher

Academik Coordinato

Faculty in Charge





Maharshi Jarve Stree Shikshan Samsti 's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acamen with a difference



CCOEW/ ETC/ 20-21

Date: 10/01/2022

LESSON & TEACHING PLAN for Microwave & RADR Engineering

				Department of Ele	ectronics & Tele	communicationEngin	eering			
Facu	ılty Name	: Prof.	Jaya	Gadge	Year	: 2021-22	Sem:- VIII	Subject Cod		
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
1	10 JAN-15 JAN 22	5		Skill Development Workshop			Zaraponen suak sirenda kej suat an			
1	17 JAN-22 JAN 22	5	I	Introduction of Microwave signals ,range and Tubes,High frequency limitations of conventional tubes,Two Cavity and multi cavity Klystrons ,Structure and working with numericals	Will Show the conventional tubes and microwave	S.Y. Liao, "Microwave Devices and		17/1122	Assi 10/3/2	/ Raub
2	24 JAN-29 JAN 22	6		Reflex Klystrons, slow-wave structure: TWT with Numericals and Derivation	tubes	Circuits", Prentice Hall India,Microwave and Radar Engg. By		22/11/2	2	
3	31 JAN - 05 FEB 22	4	r	BWO(Backword wave oscillator),Magnetron oscillator and its types	explain with existing klystron generator in lab	M.Kulkarni(Page no. 297 - 338)		04/2/2		

Raul



4	07 FEB - 12 FEB 22	6	п	Introduction of Mic wave Components,Introduction to rectangular waveguide & waveguide excitation,Principles of S-parameters, Sparameters for multi-ports (2-port, 3-port, 4- port etc.)	Power measurement using Reflex Klystron with variation by practically	S.Y. Liao, "Microwave	09/2/22
5	14 FEB - 19FEB 22	5	11	properties of S-matrix, Derivation ,waveguide Tees (E, H, E-H planes), Directional Couplers, matched terminations,Microwave attenuators,Slotted line, Ferrite devices, Circulators, Isolators, gyrators.	Will show all the component of microwave also take power measurement	Devices and Circuits", Prentice Hall India and Microwave and Radar Engg. By M.Kulkarni(Page no. 199-260)	10/21/22 Aayb 28/21/22
7	21 FEB - 25FEB 22	5		•		SESSIONAL - I	20,1917
8	28 FEB - 05 MARCH 22	5	ш	Solid State Microwave Devices,Parametric amplifiers, PIN diodes, Transferred Electron devices: Gunn diode,Avalanche diode, Transit Time devices like IMPATT, TRAPATT diodes.	NPTEL Lectures	S.Y. Liao, "Microwave Devices and Circuits", Prentice Hall India, Microwave and Radar Engg. By M.Kulkarni (Page no. 369-436)	Rand

Comp



9	07 MAR - 12 MARCI 22	5	v	radar range equation, factors influencing maximum range,Numericals based on Radar range Equation ,effects of noise, Pulsed radar systems.	Will show target detection using CW RADAR	Skolnik, "Principles of Radar Engineering", McGraw Hill Publications and Microwave and Radar Engg. By M.Kulkarni(Page		
11	14 MAR - 19 MARCH 22	5	VI	Antennas and scanning, display methods, moving target indication, radar beacons, CW Doppler radar,FM CW phased array radars, applications of radar	will practically show the working of antenna's with radiation pattern	no. 513-545) Skolnik, "Principles of Radar Engineering", McGraw Hill Publications and Microwave and Radar Engg. By M.Kulkarni(Page no. 545-570)		Ray
12	21 MAR - 26 MARCH 22	5		Microwave measurement: Introduction to microwave measurements, definition and measurement methods of	Will practically perform all the	S.Y. Liao, "Microwave Devices and Circuits" Prentice Hall India an	14 5 22	
13	28 MAR - 02 APRIL 22	3	IV	frequency,power, attenuation VSWR, impedance, insertion loss, dielectric constant, Q of a cavity resonator, phase shift.	measurement parameter	Microwave and Rada Engg. By M.Kulkarni(Page no 261-296)	ar \(\lambda	
15	04 APRIL - 09 APRIL 22				SE	SSIONAL - II		

Raub





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accumen with a difference



CCOEW/ ETC/ 20-21

Date: 01/02/2021

								Digital System De				
Facul	tv Name	e: Pr	of A	nand Deshkar	nent of Ele	ctronics & i	1	r: 2021-22	Sem:- VII	Subject Code: BEETE601T		
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no.	link for quiz		Assignmen t/Tutorial Date	AC's sign
				Introduction to digital system				Duglas Perry(Chapter		23/8/21		7
1	23 Aug- 27Aug 21	5	I	design:Development Flow,HDL,VHDL in			no. 1&2 page no.1-4)Brown		24/8/21			
	7			development flow,Basic VHDL concepts			Will	& Varensic		4-19/21 25/8/21		+
				Basic language constructs of VHDL:skeleton & syntax of VHDL Program, elements & program format, objects, data type & operators, concurrent signal assignments			Xilinx Kit & FPGA	Duglas Perry(Chapter 1,Page 5,Chapter2 Page no. 73-102)		25/8/21 26/8/21 27/8/21		
2	30 Aug-4 Sept 21	6								2/3/21		
						-				3/9/21		16
			u	Basic language constructs of VHDL:Combinational						30/8/21		
3	6 Sept-9	4		versus sequential circuits, signal assignment statements, conditional				Duglas Perry(chapter	,	31/8/21		
	Sept21		signal assignment, selected signal assignment, conditional			no.3,page no.42-64)		819/21				



) चेसे देश			circults,efficiept coding styles,combinational log synthesis,partitioning for synthesis		9, 3e 27 247)		
10					RETI	EST		
11	18 Oct - 22Oct 21	5	VI	Pipelining, Resource sharing, optimising arithmetic expressions, power analysis of FPGA based			30/10/21	7
12	25 Oct-30 Oct 21	6	I&VI	Device technologies, system representation, levels of abstraction, development task & EDA		Douglas Perry(Chapter 9,Page no. 232- 247) Brown & Varensic	26/11/21	Row
13	8 Nov-12 Nov 21	6	VI	Design examples: ALU,barrel shifter,4*4 keyboard scanner,multiplier		Duglas Perry(Chapter 13- page no.306-307 chapter 10 page no.264)	26/0/21 3/12/21	
14	03 MAY - 07 MAY 21		1		Internal Practical		ission	
15	01DEC- 8DEC21				SESS	HONAL - II		



				versus selected Signal assignment statements				713121	Poult
4	13 Sept- 18 Sept 21	6	F	Subprogram: Functions,Procedures,att ributes,generic,generate, package,IEEE standard logic library,file I/O			Duglas Perry(chapter no.5 &6,page no. 109-170)	18/3/2	
5	20 Sept- 24 Sept 21	5	ш	Subprogram:test bench,component declaration,instantiation,co nfigurationFinite State Machine: Overview of FSM			Duglas Perry(chapter 14,page no.330- 340Chapter 7,page no.174- 180)	10/21	
6	27Sept-1 Oct 21	6	IV	FSM representation,moore machine versus mealy machine,VHDL representation of FSM,state assignment,some FSM design examples			Douglas Perry(Chapter page no. 266- 272) Brown & Varensic	28/19/21	Jones
7	3 Oct-10 Oct21				·	SESSI	ONAL - I		
8	11 Oct-16 Oct 21	5	IV	Analysis of asynchronous sequential circuit-flow table reduction-races-state assignment-transition table and problems in transition table			Douglas Perry(Chapter Page no. 266- 272) Brown & Varensic		
				HDL Synthesis:The synthesis concept,timing analysis of logic			Duglas	3/11/2	





Mahar Karvo Stree Shikshan Samsth S CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ ETC/ 20-21

Date: 31/12/2021

LESSON & TEACHING PLAN for Wireless & Mobile Communication Department of Electronics & TelecommunicationEngineering Faculty Name: Prof. Anand Deshkar Year: 2021-22 Sem:- VIII Subject Code: BEETE803T Activity/ Refrence Book No. WEEK Virtual Unit **Exact Topic Name &** Assignmen Week Chapter no. Of link for quiz Completion PPt ID Video ID lab link No. No. Subtopic t/Tutorial AC's sign Page Lect. or poll Date Teaching Date no,edition. No Aid Theodore 17/1 Evolution of mobile radio Rappaport(cha 17Jan-1 5 1 18/1 comm. cellular telephone 22Jan22 pter1, 1-4, 18/1 sys, freq reuse, channel chapter 3,pg 20/1/22 assignment & handoff 57-76) Trunking and grade of 2411 service, improving capacity 25/1 in cellular system, causes of Theodore 27/1,28/1 propogation path loss, Rappaport(chapt 231 Jan-2 5 29/1,31/1 causes of fading long & 5Feb22 er3, pg 77-93, short term, definition of chapter 5, pg 3/2,4/2, Raple sample average, statistical 177-209) average, probability 5/2/7/2 distribution level crossing rate and Theodore 8/2,9/2 average distribution of 3 7-12Feb Rappaport(cha fade, delay spread, 10/2 pter 5, pg 177. coherence bandwidth, 209) fundamentals of equalization, space Т. 15/2,16/2 polarization, frequency & 14-19 Feb III Rappaport(cha time diversity techniques 18/2,19/2 pter 7, pg 350-390)



	21-26 Feb			Sessional I		
5	28 Feb-5 Mar	6		space diversity, polarization diversity, fundamentals of channel codingGlobal system for Mobile services & features, GSM system architecture,	T Rappaport(chapter 7, pg 350-390) 13/2 28/2 28/2 2/3/3/	3
6	7-12Mar	5	IV	GSM radio subsystem, GSM channel type, GSM frame structureSignal processing in GSM, Introduction to CDMA digital cellular standard,	T Rappaport(Chap 11 pg 549-563) 7/3 7/3 7/3 7/3 7/3 9/3	Raw
7	14-19 Mar	6	liv	3rd generation wireless networks, 3G technologylDifference between wireless & fixed telephone networks, development of wireless network traffic routing in wireless network	T.S.Rappaport Jochen Schiller 23/3 25/3	,
9	21-26Mar	5	v	mobile ip & wireless access protocol, operation of mobile ip,collocated address, registration,tunneling, WAP architecture,WML scripts, WAP service, WAP	incir octimes	eo PPic Sent
10					RETEST	
	28 Mar-2	-	N.	Spread spectrum LANs, narrow bank microwave LANs ,IEEE802 protocol,architecture	T.Rappaport,J ochen Schiller	



					The state of the s	and the state of t
1	Apr	MAC,802.11 pt layer,Wirele Application Pro	2.11 hysical ess otocol			
15	4 April- 9 April22			SESSIONAL - II		





Maharshi Karve Stree Shikshan Samsthe CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Date: 29/ 12 / 2021

CCOEW/ETC / 21-22

				Department	of Electronics ar	uter Communication nd Telecommunicatio	n T				
Faculty	Name: Mrs.	Pallavi Ga	anorkar		Sub: Compute	r Communication twork	Sec:	Year: 2	021-22	Sem:- VIII	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date		
1	10-15 Jan	5		Skill development workshop						-	
2	17-22 Jan	5	I	Uses of computer Network, Network Software-design Issues for layers, Service primitives and relationship of services to Protocols, Reference models-OSI,TCP/IP	1	Andrew Tenenbaur "Computer Networks", 5th Edition, Pearso		29/11	22		
3	24-29 Jan	6	1,11	network architectures introduction Example of networks-X.25, Frame Relay & ATM, Protocols and Standards, Physical layer-Data rat limits, Transmission media-guide and Unguided,	e e	Education, Page 23-102, page no. 136	no.	2/2/	22		
4	31 Jan-5 Feb	4	11	Switching systems-Circuit switching, Datagram Switching & Virtual circuit switching, Structur circuit and packet switch,	Will sho	Andrew Tenenth "Computer Networks", 5th Clab Edition, Pearso Education pag 275-298	n on	41	2/22		

Faculty in Charge

HOD



To the second	WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poil	Completion Date	Assignment/T utorial Date	AC's sign
Da	5	7-12 Feb	6	n, m	cable modem and DSL technologies, SONET basics, selection of IEEE std 802.11,a,b,c,g, Data link layer: Framing,	Will show them in CC lab	Andrew Tenenbaum, "Computer Networks", 5th Edition, Pearson		8/2/2	2	3
بر <u>-</u>	6	14-19 Feb	5	m	Flow & Error control Protocols, HDLC, PPP, Multiple access techniques,random access, controlled access & Channelization,		Education Page no. 203-206, page no. 213-271		16/2/2	_2	Raus
1	7	21-26 Feb					Sessional I				
	8	28 Feb-5 Mar	6	m	Ethernet types-bridged, Switched, Full duplex, Fast & gigabit Ethernet, Introduction to Data link layer in 802.11 LAN, Connecting devices like passive hubs, repeaters, Active hubs, Bridges, Two-layer Switches, Routers, three layer switches, Gateway etc.,	Will show them in CC lab	Andrew Tenenbaum, "Computer Networks", 5th Edition, Pearson Education Page no. 298-330, page no.350 360		2/3/0	1-2	7
9	7	12 Mar	5	III, IV	Backbone networks, Virtual LANs, Simple Router architecture, Sliding window protocol, IPv4 address, IPv6 address, Address mapping-ARP, RARP & DHCP	Demonstration on Desktop PC	Programme and the contract of		14/2	7 2 2	\\
,	14-19	Mar	5	IV d	Pv4 datagram detail format, IPv6 atagram detail format, ICMP, GMP, Network layer issues like belivery, forwarding, intra-domain d Inter-domain routing, Routing gorithms like Shortest path routing		Andrew Tenenbaur "Computer Networks", 5th Edition, Pearson Education page no		161	13/22	
ul	tv ir	Char	7P	1	· · · · · · · · · · · · · · · · · · ·			HOP Rom	6		

Hingna,
Hogper-441119

100	No.		No. Of Lect.	f Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
ST.	11	21-26 Mar	5	IV	Flooding, Distance Vector Routing, Link State Routing, Path vector routing etc., Addressing types- Physical, Logical & port address.Process to process delivery,		Andrew Tenenbaum, "Computer Networks", 5th Edition, Pearson	2	21/3/2	17	
N =	12	28 Mar-2 April	3	IV,V	Connection oriented & Connectionless Transport, UDP,TCP, congestion control and Quality of Service, Application layer protocols and applications like Ping, FTP, telnet, http (www), SMTP, SNMP,	Demonstration on Desktop PC	Edition, Pearson Education page no. 373-396, page no.513	-	24/31	22	Rau
=	14	4-9 Apr				1	Sessional II	т			_
	13	11-16 Apr	5	v	Trace route, TFTP, BOOTP, DNS, NFS, RPC, X-server, E-mail, Introduction to streaming Audio/Video,P2P file sharing, Introduction to socket programming	Demonstration on Desktop PC			25/3/	22	
15	18-	.23 Apr	5	I F	Introduction to Cryptography, Secret key algorithm, public key algorithm, Hash Functions, basic ITU-T Recommendation - X.805 Security Architecture, Basics of Security Requirements/Services/Dimensions, Basics of Security attacks, Basics of Security mechanisms / solutions	Demonstration on Desktop PC		ord	Zogi	tes	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\

Faculty in Charge

HOP



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
16	25-29 Apr	5		UTP Cabling for PC to PC communication, Network tester, network monitoring, Protocol Analyzer, Network Simulation, internet access through Dialup/DSL/Leased Line/Mobile handset	Will show	William Stallings, "computer Networks and Cryptography", 3rd edition, Pearson Education		Assign ment grven		Raus

Sub. Teacher

Academ/c coordinator

Faculty in Charge

HOPP



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/AS / 21-22

Date: 03/01/2022

				LESSON & T Department		ics & Telecommunic					
aculty	/ Name: Pro	f. Pravir	n Gorantiw	ar		rical Analysis with		E&TC	Year: 7	2021-22	Sem:- IV
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
1	14 March - 19 March	1		Numerical mathematics Syllabus Discussion							
2	21 March - 26 March	4	11	Unit II: NUMERICAL METHODS - 1 Error Analysis, Solution of Algebraic and Transcendental Equations: Method of False position							
				Newton-Raphson method and its convergence Basic MATLAB command "fzero" to find real roots of $f(x) = 0$.					28/3	2503	30
3	28 March - 02 April	4	11	Solution of system of simultaneous linear equations Crout's method (LU decomposition Method)	:						
				Gauss-Seidel method					841	54	11
	4 April - 09	4	11	MATLAB Built-in function for LU and Gauss-Seidel method. Unit III: NUMERICAL METHODS - II Numerical solution of ordinary differential equation	s:						$\overline{}$
	April	4	III	Taylor's series method Euler's modified method							
				Runge- Kutta 4th order method							
5	11 April -	C	III	Milne's predictor corrector method RungeKutta method to solve simultaneous first or differential equations	der		Same			22/04	



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
	10 April			Introduction of MATLAB commands for solving ordinary differential equations.							17
	18 April -	4		Unit IV: Z-TRANSFORM Definition, Convergence of Z-transform					-		7
	23 April	-		properties (Statement only)							Kar
	25 April -	4	IV	Inverse Z-transform by partial fraction method					12/5	+	Duran
	30 April			Residue method (Inversion integral method)					1213		
	02 May - 07 May	6				Sessional -1 Ex	amination				T
	09 May- 14 May	4	IV	Convolution of two sequences Solution of difference equations with constant coefficients by Z-transform, Use of MATLAB commands ztrans(f), ztrans(f, transVar), ztrans(f, var, transVar).					181-1		7
1	16 May-			Unit V: PROBABILITY Review of discrete and continuous random variables							\ <u>\</u>
	21 May	4	v	Mathematical expectation					25	-2 13.02	121
1			- 1	Variance and Standard deviation							
	20 MA		-	Moments	-			-			
		4	V	Moment generating function,	-						- 11-
1				Skewness and Kurtosis	-					26.0	2.55
		- 1	-	Binomial distribution	4						
1	May-	4	v	Poisson distribution	-						
0	4 June		-	Normal distribution	-						
				Exponential distribution	-			-	12	6/05	
		/	V	Unit I: INTRODUCTION TO MATLAB Introduction, What is MATLAB?,			. /				V
06 / f h	une Charg	1		The MATLAB system MATLAB documentation, Starting and quitting MATLAB	-		low.v			0/16	$\rightarrow \lambda$



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

		d "			Video ID/	Activity/ Virtual		link for quiz	Completion Date	Assignment/ Tutorial Date	AC's sign	
WEEK No.	Week	No. Of Lect.	Unit No.		PDF	lab link Teaching Aid	no. Page no,edition. No	ог рол			2	
				MATLAB desktop matrices, array matrices and magic squares, MATLAB Expressions, Controlling command window input and output,					13/06		fang	4
14	13 June- 18 June	-4	V	Graphics overview of MATLAB plotting, Types of functions			8					_
15	19 June- 24 June	1				Sessional- II Exam	ination			1		

Sub-Jeacher

24 June 27 June-02 July

16

haus

HOP

Hingna, Hogper-441118

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.



Maharshi Pyrve Stree Shikshan Samsthus CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Sharpening Engineering Acumen with a difference

				LESSO	N & TEACHING PLA	N for Digital Sig	nal Processing				
				Dep	artment of Electron	ics and Telecor	nmunication				
acı	ulty Name: I	Mrs. Pallav	ri Ganor	rkar		Sub: Digital Si	gnal Processing	Sec:	Year:	2021-22	Sem:- VI
WE: N		No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
1	1 Feb-6 Feb	6	I	Basic elements of DSP and its requirement, Advantages of Digital over analog signal processing, sampling theorem, sampling process and reconstruction of sampling data	ETC6DSPW01D0 10221L01-06	Verification on MATLAB	J.G. Proakis, D.G. Manolakis "Digital Signal Processing: Principles, algorithms and		3/2/2		
2	8 Feb-12 Feb	5		Discrete time signals & systems: Discrete time signals & systems, classification of discrete time signals and systems, LTI systems	ETC6DSPW02D0 80221L07-11	Verification on MATLAB	applications, Pearson Education		8/2/2	7	1/20
	15 Feb-20 Feb	5	1,11	linear convolution, Cross Correlation, Autocorrelation. The Z-transform: Definition, properties of the region of convergence for the Z-transform	ETC6DSPW03D1 50221L12-16	Verification on MATLAB			17/2/	2	11.40
2	2 Feb-26 Feb	5		Z-transform properties, Inverse Z- transform, Parseval's theorem	ETC6DSPW04D2 20221L17-21		J.G. Proakis, D.G. Manolakis "Digita Signal Processing: Principles.	1	3/3/1	12	

Faculty in Charge

HOP



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

Т	and the same	Acres marked according to the	and an over the								COD E				
	1 Ma		6	n,m	a	lateral Z-transform. Definition of properties of DFT, IDFT, telation between DFT and Z-Transform	ETC6DSPW05D0 10321L22-27		algo app	rithms a blications, on Education	*	10/3/2	1	Ra	ule
		ar-12 lar	6	m		adix- 2 FFT algorithms, Linear ltering methods based on DFT, circular convolution	ETC6DSPW06D0 50321L28-33	Verificat on MATL				24/3	122	1	
		Mar-20 Mar					•	Ses	sienal I				,		7
8	22	Mar-26 Mar	5	п	F	requency analysis of discrete time signals using DFT, Gortzel algorithm	ETC6DSPW08D 20321L34-38	2				25/3	122		
9	2	9 Mar-3 Apr	4			Filter design methods – Approximation of derivatives, Impulse invariance, bilinear transformation,	ETC6DSPW09I 90321L39-42)2	TIAR M	G. Proakis, D.G. lanolakis "Digital ignal Processing:	1	514	127		
8	10	5 Apr-9 Apr		,	IV	characteristics & designing of Butterworth, Chebyshev filter frequency transformations)DO		Principles, algorithms and applications, Pearson Education	on	710	1/2		Rang
	11	12 Apr-		4		IIR filter structuresDirect form transpose form, parallel form cascade, Lattice and Lattice-lae structures	ETC6DSPW1	וטו	rification on SATLAB			111	4/22		
	12	19 Apr 23 Ap		5	v	Symmetric and antisymmetric filters, Linear phase FIR filt design of FIR filters using win (Rectangular, Bartlett, Hann Hamming & Blakman)	er, dows ing, ETC6DSPW 90421L52-5	(12D1)	erification on MATLAB	J.G. Proakis, I Manolakis "Digital Sig Processin Principle	s mal g: s,	2	61412	L	
	13	26 Apr May		6		frequency sampling method differentiators, FIR filter stru			Verification on MATLAI	application Edu	ons,	2	28/4/2	2	

en

Faculty in Charge

HOP



Dr. Milind Khanapurkar Principal Maharshi Karve Sires Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

14	3 May-7 May	5	VI		ETC6DSPW14D0 30521L63-67		A.V. Oppenheim, R.W. Schafer, "Discrete Time Signal Processing", Pearson Education	29/4/22	Rowle
15	10 May- 15 May					Sessiona	l II		1
16	17 May-21 May	2	VI	Introduction to DSP architecture TMS 320	ETC6DSPW16D1 70521L68-69	Will demonstrate them on kir		Taken on practical 810t	

Sub. Teacher

Academic coordinator

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Kg vo Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Acumen with a difference



LESSON & TEACHING PLAN for Telecommunication Switching System ENGINEERING

				D	epartment	of Electronic	s & Telecomm	unicationEngineeri	ing			TAN COMMISSION CONTRACTOR OF
Facul	lty Nar	ne: P	rof.	Anand Deshkar			Year :	2021-22	Sem:- VI	Subject Code:	BEETEGO1T	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
				PE 1964 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Communication		23/8/21		7
1	23 Aug 28Aug	5	1	Amplitude Modulation:Base band &carrier communication,Introduction				Kennedy,Davis (Chapter	3	24/8/21	-	H
	21			to amplitude modulation,Equation of AM,Generation of			-	1,page 1- 5,Chapter3,Pag e 35-50)	g	24/8/2		7
2	30 Aug- 4 Sept 21	6	1	AM(DSBFC) and its spectrum Modulation Index,Power relations applied to sinusoidal signals,DSBSC- Multiplier Modulator,Non linear generation,Switching modulator,ring modulator & its spectrum	٠			Communication Systems by Kennedy,Davis hapter 3 :pag no. 62-84)	s(c)	2518/2 26/8/2 31/8/2 3/9/2 6/9/2	-1	80
6	Sept-			SSBSC,ISB & VSB, Their generation methods& comparison,AM broadcast technical stds.Angle modulation:	E.			Communic n Systems Kennedy, D	s by	3(18) 2(9) 6(9) 7(9)	121	



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

Carp	ms		mist	chase thereon band and a band the Modulation day Jamelwidth Praise ecodistation	79 Chapter 1 273 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	ingel- lape 6	1 &1	an F1 met Mo	mathematical mathematical malysinGenaration of M(Direct and indirect hod),comparison of FM 8 PM.Pulse dulation:Sand limited 8 Time limited mals,narrowband signals 8 systems	Communication in Systems by Kennedy Davis (chapter 5: page no. 80 to 88,100-109)
	26 Sept. 25 Sept. 21	5 1	11	Sampling theorem in time domainNyquist criteria,types.Aliasing & aperture effect. Pulse analog modulationPAM,PWM,PPM.P CM:Generation & reconstruction,Bandwidth requirement of PCM.	Communication Systems by Kennedy Davis (chapter 15: page no. 485to499)
6	27Sept- 2 Oct 21	6	III &IV	Differential PCM,Delta modulation adaptive DM Noise;Sources of Noise,Types of Noise,White noise,shot noise,thermal noise,partition noise,flicker noise,burst noise,avalanche noise,SNR	Communicatio n Systems by Kennedy, Davis (chapter 2: page no. 15to 26)
7					SESSIONAL - I Communicatio
	11Oct-			NOISE FIGURE, NOISE Temperature, friss formula poise bandwidthAM	n Systems by Kennedy, Davis 25/16/21



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Curmins College of Engineering for Women Hingna, Nagpur-441118.

9	18 Oct- 22 Oct 21	6	V	Performance characteristics, Image frequency rejectionPreemphasis AM detection: rectifier		(chapter 2: page no26 - 30)&Chapter 6 (page no.119 - 173) Communicatio n Systems by Kennedy,Davis (chapter 5 :page no. 92 -	10/11/21	
10				detection		97Chapter 6:page122-128)		
			_		RI	ETEST		
11	25 Oct - 30 Oct 21	5	v	envelop detection,demodulation of DSB SC,SSBSC FM Detection:Foster seely FM detector& fm detection using PLL		Communicatio n Systems by Kennedy,Davis	2/12/2	1
12	8 Nov- 12 Nov	5	VI	Broad band communication links & multiplexing:FDM,TDM,CDM		(chapter 15: page no.563- 567)	3/12/2	Rac
13	15 Nov- 20 Nov 21	6	VI	Short & medium hall systems: coaxial cable,fibre optic links,microwave links,tropospheric scatter link,Long haul systems: submarine cables		Communication Systems by Kennedy,Davis (chapter 15: page no.568-578)		
14					Internal Practi	cal 6 First C 1		
15		in one				cal & Final Submissi	ion	



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-41118.



1.5

TI

74

T

F

S

Maturshi Karve Stree Shikshan Samutha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starting Engineering Against with a difference

Cummins

CCOFW/ETC/20-21

Date: 1/2/ 2022

LESSON & TEACHING PLAN for Telecommunication Switching Systems Department of Electronics & Telecommunication

Facu	ity Nam	e: Pr	of. A	nand Deshkar			Year	: 2021-22	Sem:- VI	Subject Code:	BEETES03T	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignmen t/Tutorial Date	AC's sign
1	l Feb- SFeb	5	1	principles of manual switching system, electronic telephone, local & central battery system, (ne svitti	9		JE Flood, telecom switching, traffic, networks		1/2,2/2, 3/2,4/2, 8/2,9/2, 0/2,1/2		7
2	7 Feb- 11 Feb22	5	And the second control of the second control		masage witching firmit hostehing manual lectroni ligital Loidehing			J E Flood, T switching, traffic & networks		15/2,16/2	,	*
3	14 feb-19 feb	6		unit of traffic, traffic measurement, mathe, model, lost call system, traffic performance loss				J E Flood, switching, traffic & networks		18/2,2 22/2 23/2	¥2	17
4	21 feb-25 feb	5	111	queues in tandem application of delay formulae traffic characteristics arrival distributions holding time distributions loss				J E Flood, switching traffic & networks		24/2, 28/2, 3/3, 4/3, 7/3	2/3, 5/3)	



Dr. Millind Khanapurkar Principal Maharshi Karre Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

aneru <u>l</u>					
5	28 Feb-5 Mar	6		timming recorve to clock instability, elastic tores jitter measurement, timing inaccuracy, asynchronous multiplexing, waiting time jitter, network	vishwanathan, switching systems 8/3, 9/3, 10/3
6	7-12Mar	5	IV	pulse stuffing mutual synchronization, network master, master slave synchronization, hierarchical synchronization, network	vishwanathan, switching systems 29/3- 30/3 Raw
				Sessional I Examir	nation 14/03/2022 to 19/03/2022
7	21 Mar- 25 Mar	5	liv	transmission in PSTN, data communication architecture, link to link layers, satellite based data networks, LANs, MANs,	Vishwanathan, switching systems 5/4,6/4 8/4,11/4 12/4,13/4
9	28 mar- l april22	5	v	ISDN, network & protocol architecture, transmission channels, user network interfaces, signaling, numbering & addressing, ISDN standards, broadband ISDN, voice data	JE Flood, T switching, traffic & networks 25/4
10					RETEST
11	4 april- 8 april	5	v	mobile telephone services, cellular telephone, frequency reuse, cellular system topology, roaming & handoffs, cellular	vishwanathan, switching systems
				cellular telephone call processing, cellular telephone systems, digital	28/4



D#

M(

W]

FI SA

Tim

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

12	11 april- 16 april22	4	V&VI	cellular telephone, lingle stage networks, gladings, progressive gradings, its traffic capacity, applications, link systems
13	18 april- 22 april 22	5	VI	two & three stage networks, call packing, rearrangable networks, nonblocking networks, switching networks, control of switching systems, call
14	25 april- 30 april22			common control, reliability, availability, security
15	2 may-7			

Time

M(

TU

TH FR



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-44118.

29/4

29/4

J E Flood, T

SESSIONAL - II

switching, traffic & networks



Maharshi Prestree Shikshan Samstha'



CCOEW/ETC / 21-22

Date: 10/ 9 / 2021

LESSON & TEACHING PLAN for Measurements and Instrumentation

			83	Departn	nent of Electroni	ics and Telecommunic	cation			
Facult	y Name: Mi	rs. Palla	vi Gano		Sub: Mea	surements and umentation	Sec:	Year:	2021-22	Sem:- III
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
1	13 Sep- 18 Sep	6		Skill Development Workshop	1 Chathad	是 · · · · · · · · · · · · · · · · · · ·	and any artists of the area	Service 1	Date	119.4 %
2	20 Sep- 24 Sep	5		Syllabus discussion, Purpose of instrumentation, Basic elements of instrumentation						
3	27 Sep- 1 Oct	5		Statistical analysis and measurement of errors		Electrical				·
4	4 Oct- 8 Oct	5	I	Principle and operation of ammeters, voltmeters and wattmeters, moving iron and moving coil, dynamometer, Multimeter and Energy Meter.		Measurement: A.K.Sawhney, DhanpatRai& Sons Publication, 11 Edition, Chapter 1			-	
5 1	1 Oct- 16 Oct	6		Transducers, classification & selection of transducers, strain gauges, inductive & capacitive transducers, piezoelectric and Hall-effect transducers		page no. 1-8, Chapter - no.3 page no.35-53, chapter 8 page no.192-248			And the second s	

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
6	18 Oct- 22 Oct	5		thermisters, thermocouples, photo- diodes,photo-transistors encoder type digital transducers, signal conditioning and Data Acquisition Systems						
7	25 Oct- 30 Oct			4	*	Sessional 1				
8	8 Nov- 12 Nov	5	I	Sensors for measurement of Liquid level, Gas flow, liquid flow, Pressure, Humidity, Temperature, Vibration, Acceleration etc.		Electrical Measurement: A.K.Sawhney, DhanpatRai& Sons Publication, 11 Edition				
9	15 Nov- 20 Nov	6		PMMC galvanometer, dc & ac voltmeter, ammeter, multimeter, watthour meter, three phase wattmeter, power factor meter, instrument transformers.		Electrical Measurement:				5
10	22 Nov- 26 Nov	5	П	Measurement of low, medium and high resistance. General Balance Equation; Circuit diagram; Phasor diagram and Advantages as well as Disadvantages and Applications of Wheat stone, Kelvin, Max-well, Hay, Schering, Weinbridge Potentiometers,		A.K.Sawhney, DhanpatRai& Sons Publication, 11 Edition, chapter 13 page no.424-254				
11	9 Nov- 4 Dec	6	пдп	Measurement of Inductance, capacitance using AC bridges like Anderson, Ownens; DeSauty's. Shielding and earthing. Signal conditioning measurement meters, Electronic multimeter, Q-meter. RF power and voltage		Electrical Measurement:				

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Strea Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
12	6 Dec- 10 Dec	5	Ш	Measurement of Energy- A.C. single phase and poly-phase induction type energy meters. Oscilloscope: Digital storage oscilloscope – 2 and 4 channel, delay line, multiple trace, Triggering, delayed sweep. HMI systems for SCADA,		DhanpatRai& Sons Publication, 11 Edition				
13	13 Dec- 18 Dec	6	IV	Frequency, and Time measurement, signal analysis. frequency counters – measurement of frequency and time interval – extension of frequency range. Function generators – RF signal generators – Sweep generators		Electrical Measurement: A.K.Sawhney, DhanpatRai& Sons Publication, 11 Edition				
14	20 Dec- 24 Dec					Sessional 2				
15	27 Dec- 31 Dec	5	IV	Frequency synthesizer –wave analyzer – Harmonic distortion analyzer – spectrum analyzer, Recent trends/developments.		Electrical Measurement: A.K.Sawhney, DhanpatRai& Sons Publication, 11 Edition				
16			v	What Is Telemetry? How Telemetry Works, Benefits of Telemetry, Challenges.						

Academic coordinator

Faculty in Charge

HOD





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ETC / 21-22

Date: 18/ 8 / 2021

LESSON & TEACHING PLAN for Microprocesssor and Microcontroller

					Departmen	t of Electronic	s and Telecomm	unication				
aculty N	lame: Mrs	. Palla	vi Gano	rkar				processor and controller	Sec:	Year:	2021-22	Sem:- V
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
1	16 Aug- 21 Aug	6		Skill Development Workshop								~
2	23 Aug- 27 Aug		I	8086/8088 microprocessor, Pin diagram, Architecture, features and operating modes, Clock generator 8284				Microprocessors and Peripherals by K M Bhurchandi and A K Ray page no. 1-13		13 8 24 - 1 9 21		5
3	30 Aug- 4 Sep	6	І, П	memory organization & interfacing, Addressing modes, complete instruction set, Assembly language programming of 8086				Advanced Microprocessors and Peripherals by K M Bhurchandi and A K Ray page no. 35-43		219121 - 919121	1419121	Ra
4	6 Sep- 9 Sep	4		Assembly language programming of 8086 contd., Interrupt structure, I/O interfacing				Advanced Microprocessors and Peripherals by K M Bhurchandi and A K Ray page no. 81-136		16/9/2	1	
5	13 Sep- 18 Sep	6	п	Interfacing of peripherals like 8255 PPI, multiplexed 7-seg display & matrix keyboard interface using 8255, Programmable Keyboard/Display controller 8279, Organization,				Advanced Microprocessors and Peripherals b K M Bhurchandi and A K Ray pag no. 174-220, 253 264	e	19/10/2	1	JRO

Faculty in Charge And

Hingna,
Hogper-441119

**System | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-441119 | Experiment | Hogper-4411

Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
6	20 Sep- 24 Sep	5	п, ш	Working modes, command words & interfacing, Programmable interval timer/counter 8254; Architecture				Microprocessors and Peripherals by K M Bhurchandi and A K Ray page no. 223-236		27 10 \2		2
7	27 Sep- 1 Oct	5	Ш	working modes, interfacing 8259 PIC, Organization, control words, interfacing, cascading of 8259's,		3	4*	Advanced Microprocessors and Peripherals by K M Bhurchandi and A K Ray page no. 236-253		9/11/21		Raule
8	4 Oct- 9Oct			W			Sessional					
9	11 Oct- 16 Oct	6	Ш	Serial communication, Classification & transmission formats, USART 8251, Pins & block diagram, interfacing with 8086 & programming				Advanced Microprocessors and Peripherals by K M Bhurchandi and A K Ray page no. 264-311		15)11/	21	
10	18 Oct- 22 Oct	5	IV	8086 maximum mode pin diagram, Closely coupled & loosely coupled multiprocessor system, 8087 Numeri coprocessor, architecture, interfacing with 8086, instruction set	С			Advanced Microprocessors and Peripherals b K M Bhurchandi and A K Ray pag no. 320-338	²	23/11	DMAC 823 Architectu interfacing programm Introduct to Pentit	re, & ing, ion
11	25 Oct- 30 Oct	6	v	Introduction to 8051 microcontroller; Pin diagram, architecture, features & operation, Ports, memory organization, SFR's, Flags, Counters/Timers, Serial ports				Advanced Microprocessor and Peripherals K M Bhurchan and A K Ray p no. 556-563	by di	26/11	1/21	
12	1 Nov- 6 Nov						Diwali V	acation				

Faculty in Charge



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-41118.

	, =	7	7									
WEEK No.	Week	Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
13	8 New- 12 New	5	v	Interfacing of external RAM & ROM with \$051, \$051 Interrupt seructure, Interrupt vector table with priorities, enabling & disabiling of interrupts				Advanced Microprocessors and Peripherals by K M Bhurchandi and A K Ray page no. 563-569		2/12/2		
14	15 New- 20 New	G)		Instruction set of 8051; data transfer, logical, arithmetic & branching instructions, Addressing modes, Assembly language programming examples, counter-timer programming in various modes				Advanced Microprocessor and Peripheral by K M Bhurchandi an A K Ray page no. 567-590	s	26/11/	2	
15	22 New 26 New		VI	Serial communication, Operating modes, serial port control register, Band rates. 1/O expansion using \$255, Interfacing keyboard				Advanced Microprocesso and Periphera by K M Bhurchandi a A K Ray page no. 632-651	ls .	4/12/	2)	Raw
16	29 Nev- 30 Nev	1 7		LED display, ADC & DAC interface, stepper motor interface				The 8051 Microcontrol and Embedd Systems pag no. 299-348	ed	24/1	2/2/	
17	1 Dec- 8 Dec	3					Session	al 2			0 1/-	

Sub. Teacher

Academic coordinator

Faculty in Charge



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-41118. Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2020-21

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in









CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Date: 01/02/ 2021

/ME / 20-21

LESSON & TEACHING PLAN for Applied Maths-IV

				Department	t of Meet	artical Engir	mring E &	TC ·				
Name: P	rof. Pra	vin Gor	antiwar				Sub: Applied N	laths III	E & TC	Year: 20	020-21	Sem:-IV
Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	The same of the sa	Assignment/ Tutorial Date	AC's sign
01 Feb - 06 Feb	6	1	UNIT – I: NUMERICAL METHODS Error Analysis, Solution of Algebraic and Transcendental Equations Method of False position Newton–Raphson method and their convergence Newton–Raphson method for multiple roots Solution of system of simultaneous linear equations: Gauss elimination method Gauss Jordan method	ETC3AM3W01D010220L01 ETC3AM3W01D020220L02 ETC3AM3W01D030220L03 ETC3AM3W01D040220L04 ETC3AM3W01D050220L05 ETC3AM3W01D060220L06		PDF-NM- 01		Engineering Mathematics by Tembhekar & Shobhane		6/2/2021		
08 Feb - 13 Feb	3	r	Crout's method Gauss-Seidel method. Numerical solution of ordinary differential equations: Taylor's series method	ETC3AM3W02D070220L07 ETC3AM3W02D090220L08 ETC3AM3W02D100220L09		PDF-NM- 01		Engineering Mathematics by Tembhekar & Shobhane		10/2/2021		S 100
.5 Feb - 20 Feb	4	I	Runge- Kutta method to solve	ETC3AM3W03D160820L10 ETC3AM3W03D170820L11 ETC3AM3W03D180820L12 ETC3AM3W03D200820L13		PDF-NM 01	1-	Engineering Mathematics b Tembhekar 8 Shobhane	3.5	16/2/202	1 18/02/2	

y in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nagpur-41118.

к	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign \$
	22 Feb - 27 Feb	.3	1/11	Largest Eigen value and Eigen vector by Iteration method UNIT –II: Z-TRANSFORM . Definition , Convergence of Z- transform and	ETC3AM3W04D220220L14 ETC3AM3W04D240220L15 ETC3AM3W04D250220L16	.*	PDF-Z transform- 02		Engineering Mathematics by	*	25/2/2021		
	01 Mar 06 Mar	5	п	Properties Inverse Z-transform by Partial Fraction Method Power Series Expansion Convolution of two sequences	ETC3AM3W05D010320L17 ETC3AM3W05D020320L18 ETC3AM3W05D030320L19 ETC3AM3W05D040320L20 ETC3AM3W05D050320L21		PDF-Z transform- 02		Tembhekar & Shobhane		4/3/2021	s ·	
	26 Apr - 2 may	4	II/IV	Solutions of Difference Equations with Constant Coefficients by Z- transform UNIT – IV: THEORY OF PROBABILITY Axioms of Probability, Conditional Probability, Baye's Rule	ETC3AM3W06D270420L22 ETC3AM3W06D280420L23 ETC3AM3W06D290420L24 ETC3AM3W06D300420L25		PDF-TOP - 04		Engineering Mathematics by Tembhekar & Shobhane		30/04/21	27/04/21	
	03 June- 09 June	6	IV	Random variables: Discrete and Continuous random variables, Probability function and Distribution function, Joint distributions,	ETC3AM3W07D030520L26 ETC3AM3W07D040520L27 ETC3AM3W07D050520L28 ETC3AM3W07D060520L29 ETC3AM3W07D070520L30 ETC3AM3W07D080520L31	8	PDF-TOP - 04		Engineering Mathematics by Tembhekar & Shobhane		8/5/2021		
	3 June- 9 June	4	IV/V	UNIT – V: MATHEMATICAL EXPECTATIONS Definition Mathematical Expectation	ETC3AM3W08D030520L32 ETC3AM3W08D040520L33 ETC3AM3W08D050520L34 ETC3AM3W08D060520L35		PDF-TOP - 05	*	Engineering Mathematics by Tembhekar & Shobhane	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15/05/21		3
	May . May	6		S SI			Ses	sional I					(3)

ty in Charge

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikkhan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.



1 1	F 61										ORNACO .	
Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Remence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
24 May 30 May	5	v/vi	and dispersion, Skewness and Kurtosis UNIT – VI:	ETC3AM3W10D240520L36 ETC3AM3W10D250520L37 ETC3AM3W10D270520L38 ETC3AM3W10D280520L39 ETC3AM3W10D290520L40		PDF-TOP - 05/6		Engineering Mathematics by Tembhekar & Shobhane 11.1 to 11.7		29/05/21	25/05/21	
31 May 06 June	5	VI/III		ETC3AM3W11D310520L41 ETC3AM3W11D010620L42 ETC3AM3W11D020620L43 ETC3AM3W11D030620L44 ETC3AM3W11D040620L45 ETC3AM3W11D050620L46		PDF-SF-4		Engineering Mathematics by Tembhekar & Shobhane		4/6/2021		
07June - 12 June	5	ш	formula Generating functions, Orthogonal properties of In(x) and	ETC3AM3W12D310520L47 ETC3AM3W12D010620L48 ETC3AM3W12D020620L49 ETC3AM3W12D030620L50		PDF-SF-4		Engineering Mathematics by Tembhekar & Shobhane		10/6/2021		
14 June 20-June						Revision	1 7 44			1 2	· · · · · ·	
21 June 26-June						Sessional	I			-		

Sub. Teagher

۸۰

3

ty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cumminis College of Engineering for Women Mingan, Nappur-441110.



Maharshi arve Stree Shikshan Samstha's UCUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/ ETC/ 20-21

LESSON & TEACHING PLAN for SIGNALS AND SYSTEMS

14	y Name:	Dr K	anch	nan		ment of Electronics &		Sec:		Year: 2	2020-21	Sem:-			
VE EK No.	Week	No. Of Lect.	Unii	1	Exact Topic Name & Subtopic	Topic ID .	PPt ID	Vide	eo ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition.	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
		0.00	1	1	ntroduction to CO PO PSO	ETC4S&SW01D010221L01				-	4				
1			1		Analysis of Signals	ETC4S&SW01D020221L02	1			-	4	-	+	1	1
			1	_	set of orthogonal signals	ETC4S&SW01D030221L03	7	_		+	-				\top
	01 FEB - 0	5		1	Fourier series	ETC4S&SW01D040221L04	4	-			-				
1	FEB 21	6	1		representation of periodic sign	als ETC4S&SW01D050221L05					 Signals an Systems 			+-	+
				1	Fourier transform of periodic and non-periodic signals,	and ETC4S&SW01D060221L06	S&S_pp	t_01		1	Simon	1	\perp	+	+
H	1	+	\dashv		Properties of FT	ETC4S&SW02D080221L07	_	-		-	-				
1			1		domain	ETC4S&SW02D090221L08	\rightarrow	-		-	-				
2	08 FEB -		5		Theory of Sampling	ETC4S&SW02D100221L09		_	_						
1-	FEB 21	1			Signal	ETC4S&SW02D110221L10			_						
	1	1	1		Problem Soving	ETC4S&SW02D120221L11					_				
\vdash	+	+	_		Probability	ETC4S&SW03D150221L12	\rightarrow	1	-	-+				1	
					random variables and stoch processes	1000						-	-+		
	15 FEB	- 20	_		Review of probability theor	y ETC4S&SW03D170221L1			-	_					
3	FEB 2		6		random variables	ETC4S&SW03D180221L1	5		-			als and			
		- 1		1	distribution function	ETC4S&SW03D190221L	16			-+		stems			
				l I		ETC4S&SW03D200221L	17 S&	S_ppt_0	² _		1000	mon			1_
L	-	-		┨ *	periodic processes	ETC4S&SW04D2202211	.18		-		—— H	aykin			1
1				1	stationary processes.	ETC4S&SW04D230221	.19		-	+					_
	22 FEB	- 26	_		correlation	ETC4S&SW04D240221	L20		-						
	4 FEB		6	1	applications to signal ana	lysis ETC4S&SW04D25022	L21		1						
-		- 1		1	transmission,	ETC4S&SW04D26022	11.22		1						



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

	16 APRIL - 24 APRIL 21			W		ERSITY EXA	TWI OF 5	I H SEWI				T .	1
+			1	Inter symbol Interference F	TC45.6 SW05D260421L24	-	•		Modern		_	+	1
-		1	Ī	inter symptom intervence	TC4S&SWP5D2704211.25	+			Digital & Analog	-		-	1
1.	26 APRIL -			St. Ci. Latin and annual	TC4S&SW05D280421L28	i			Communicati	-			+
	1 MAY 21	6	m	PSD of Digital signals E	DARGEMEDIONALITY	\ \ \			on systems by		-	_	1
1		1	Ī	PSD of Digital signals	TC4545W05D300421L28				B.P.Lathi		-	_	_
-		1	1	ording RZ NRZ Polar F	TC4585WWD0105211.29	1 1					-	_	
+		-	_	coding, RZ, NRZ, Polar	TURSESHINDOOSSILSO	1 1			-l		-		+-
		1		coding, RZ, NRZ, Polar	TC45@5W76D040521L31				4 F		+		
1		1	1		FTC4S@SW06D050521L32	S&S_ppt_03			4		-		_
6	3 MAY - 8 MAY 21	6			ETC4S&SWINDONOS21L32	Joeo_ppt_co.			Modern		-	_	+-
1					ETC4S&SW06D070521L32				Digital &		+	_	+
1				Criterion	ETC4\$@\$WD6D080521L33]			Analog		-	_	+
-				Criterion	ETC4S&SW08D100521L34	7			Communicat		+		+
				Pulse shaping.	ETC4S&SW08D110521L35	1			ion systems		-	_	-
			1		ETC4S&SWN8D240521L36	1			by B.P.Lathi		+	\rightarrow	_
8	10 MAY -	6	ш	tapped delay line filters and adaptive equalization	ETC4S&SW08D250521L37	1			4 1		-	_	+
	15 MAY 21				ETC4S&SW08D260521L38	1			J 1		-		+
				tapped delay line filters and	ETC4S&SW09D290521L39	┥ ・		7.5					
			-	adaptive equalization		SE	SSION	AL-I			- 1		
9	17 MAY - 21 MAY 21	•	1			7	T	T					- 1
	ZI MAT ZI			Introduction of Amplitude	ETC4S&SW09D240521L40				Modern		+-	_	_
			1	Modulation	ETC4S&SW09D250521L41				Digital & Analog	_			-
				Introduction of Amplitude	ETC4S&SW09D260521L42				Communicat		-	_	_
10	24 MAY - 29 MAY 21	6	IV		ETC4S&SW09D270521L43	7			ion systems	-	+	-	-+
-	29 MA1 21		1	modulation	ETC4S&SW09D280521L44				by B.P.Lathi	_	-+	-	-
			1	Difference between both	ETC4S&SW11D290521L46	7			by bu in	-	_	-	-+
				Equations of both	ETC4S&SW11D310521L47	7						-+	-+
				Derivation	The state of the s	\dashv						-+	-+
			1	Modulation techniques	ETC4S&SW11D010621L48	-							-+
				Modulation techniques	ETC4S&SW11D020621L49								
11	31 MAY - 5	6	1	Elementary theory of SSB,	ETC4S&SW11D030621L50							-	
11	JUN 21	-	1	Elementary theory of SSB,	ETC4S&SW12D040621L51	S&S_ppt_	D4	_					
				calculation in SSBSC	ETC4S&SW12D050621L52		-	_	Signals at	nd			
			1	calculation in SSBSC	ETC4S&SW12D070621L53				System				
			4	DSB and noise calculation, noise	ETC4S&SW12D080621L54				Simon	1			-
			IV	calculation in SSBSC	E1C436.311 12D30032162 .	\dashv	-	-	Hayki				
1			1	DSB with carrier, Square law	ETC4S&SW12D090621L55				18.007	-			+
- 1			1	Demodulation									
	7 JUN- 12		1	DSB with carrier, Square law	ETC4S&SW12D100621L56	1		1					
12	130.1-12	6	1	טבט אונון נפוווכין שקטם ביום	L10430341125.0001125	1	1			_			



Dr. Milind Khanapurkar
Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.

I				evelope Demodulator, Noise in					1	1			
			Eh	A reception velope Demodulator, Noise in A reception	ETC45&SW12D120621L58	.			.	*			-
 		_	-	uantization noise	ETC4S&SW12D140621L59								
			typ	pes of Quantization –Uniform	ETC4S&SW12D150621L60								
14 JUN-19	6		m	odulation	ETC4S&SW12D160621L61	12			1				-
JUN 21			Ac	daptive Delta modulation	ETC4S&SW12D170621L62				Signals and			+	-
1			fil	ter	ETC4S&SW12D180621L63				Systems			+	\vdash
1		V	fil	ter detection of binary signals	ETC4S&SW12D190621L64	S&S_ppt_05			Simon			-	
		1	de	ecision threshold	ETC4S&SW12D210621L65				Haykin		+		\vdash
1		1	s	ystem	ETC4S&SW12D220621L66							-	+-
21 JUN-26		1	-	ystem	ETC4S&SW12D230621L67				4		_		+
JUN 21	6		-	Communication using M-array	ETC4S&SW12D240621L68				4		_	+-	+
100000000000000000000000000000000000000			-	Digital Communication	ETC4S&SW12D250621L69						-	_	+
-			-	Problem Solving	ETC4S&SW12D260621L70	9				-			+
1	1	+	-	Information theory .	ETC4S&SW12D280621L71				4			_	+
-	1		L	channel capacity of discrete &	ETC4S&SW12D290621L72				-		_		1
┥			- 1	continuous channels .	ETC4S&SW12D300621L73				-	_	+ -		
28 JUN-3 JULY21	6	1	+	Error control coding	ETC4S&SW12D010721L73		-		┥ .		_		
- "	1		L	Hamming distance	ETC4S&SW12D020721L74				Signals an Systems	1			
-		1		Linear block codes	ETC4S&SW12D030721L75	S&S_ppt_0)6		Simon				
-	+	١ ا		CRC, Convolution Codes	ETC4S&SW12D050721L76			_	Haykin				
4				ECC Codes Introduction	ETC4S&SW12D060721L77			_	-				
4				Convolution & ECC Codes	ETC4S&SW12D070721L78	_	-	_					_
5 JULY-1				Codes for error correcting	ETC4S&SW12D080721L79	_	-						_
JULY 21				Problem Solving	ETC4S&SW12D090721L80			_					
				Problem Solving	ETC4S&SW12D100721L81	1	_	_		-			
		+		Problem, Solving			1	1		1			
2 12 JULY -	7 6			REVISION		2							
3 JULY 21	1				Internal F	ractical	& Fin	al Subn	11551011	-			
.4					1111		ONAL -						
_ 19 JULY -	9070					SE351	ONAL.						



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-41118.



Maharsh Karve Stree Shikshan Sams a's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ETC / 20-21

Date: 31/ 01 / 2021

LESSON & TEACHING PLAN for ELECTROMAGNETIC FIELDS

				Depa	tment of Electro	nics &	eie Con	imunication en	Rineering				
aculty	Name: Pro	f.S.Bhatt	achary	a	Code: BEETE403	BT		Sub: ELECTRON	MAGNETIC FIELDS		Year:	2020-21	Sem:- IV
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment/ Tutorial Date	AC's sign
				Introduction to Cartesian Coordinate system	TE4EMFW01D0 10221L01				F		0/02		
				Introduction to Cartesian Coordinate system	TE4EMFW01D0 20221L02			2			02/02		
	01st Feb	6		Introduction to Cylindrical Coordinate system	TE4EMFW01D0 30621L03						03/02	4	
1	to 6th Feb			Introduction to Cylindrical Coordinate system	TE4EMFW01D0 40221L04				Fundamentals of		040	2_	
				Introduction to Spherical Coordinate system	TE4EMFW01D0 50221L05				Electromagnetic Fields by Prof. Ajay		05/05	2	
			1	Introduction to Spherical Coordinate system	TE4EMFW01D0 60221L06				Tinguria Reprint Edition 2010		06/0)2	
				Introduction to electric field intensity	TE4EMFW02D0	0			Chapter No 1, Pag	ge	080	2	
	001 5 1			Gauss's Law	TE4EMFW02D 90221L08	0			110 110 05		09	02 Assignmen	nt 1
2	08th Feb to 12th	5		Gauss's Law	TE4EMFW02D 00221L09	1			27 5		101	02	
	Feb			Divergence Theorem	TE4EMFW020 10221L10	01					1111	02	
	- "			Electric Potential & Potentia Gradient	TE4EMFW02	D1			y 5 1		12	fo2/-	
				Current Density & Continuity	TE4EMFW03 50221L12	- CONTRACTOR			-		13	102	
				Current Density & Continuit Equation		D1					V	002	
Facı	15th Feb Ity in	harg	9	Biot-Savert's Law	TE4EMFW03	3D1			HOD			7/02	



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

	The second second	-		Heritage	200					and the same	HE I I		
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment/ Tutorial Date	AC's sign
	100			Biot-Savert's Law	TE4EMFW03D1 80221L15				Fundamentals of Electromagnetic		20/02		
				Ampere's Circuital Law and its application	TE4EMFW03D2 00221L16				Fields by Prof. Ajay Tinguria Reprint		23/02		
			2	Ampere's Circuital Law and its application	TE4EMFW04D2 20221L17				Edition 2010 Chapter No 7, Page		2402	-	
				Magnetic flux and flux density	TE4EMFW04D2 30221L18	2			no 327to 391		28 02	-	
4	22nd Feb to 26th	5		Magnetic flux and flux density	TE4EMFW04D2 40221L19	2					28/02	4	
	Feb			Scaler magnetic potential	TE4EMFW04D	2					01/03	•	
				Vector magnetic potential	TE4EMFW04D 60221L21	2					02/03	3	
			91	Maxwell's equations for non time varying fields Maxwell's equations for non	TE4EMFW05D 10321L22 TE4EMFW05D						050		-
20	01st Mar		*	time varying fields Maxwell's equations for non time varying fields	20321L23 TE4EMFW05I 30321L24	00			-		051		
5	to 06th Mar	6		The continuity equation	TE4EMFW05 40321L25				Fundamentals	of .	26	ay	
				Maxwell's equations for time varying fields	50321L26				Electromagnet	ic	27	olay	
			3	Maxwell's equations for 'time varying fields	60321L27				Tinguria Repri	int	28	304	
				Maxwell's equations for time varying fields	80321L28				Chapter No 8,	Page	20	9/04/	
6	08th Mar	h Mar 12th 4		Example of a time varying closed path in a time constan magnetic field	TE4EMFW0				110 45510 41	\	3	oloy \	
	Mar	*		Example of a time varying closed path in a time constar magnetic field	TE4EMFW0 00321L3							20/02	
				Idea about Retarded Potenti	als TE4EMFW0							10/05	

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingan, Nappur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment/ Tutorial Date	AC's sign
7	15th Mar to 20th Mar				,	AL 00000A NO 00000A	Sessiona	l Examination	Control of the Contro		l		200
	mai			Introduction to Electromagnetic waves and its	TE4EMFW08D2 20321L32						11/05		
				Wave propogation in free space	TE4EMFW08D2 30321L33						13/05		
8	22nd Mar to 26th Mar	5		Wave propogation in a perfect dielectric and a perfect conductor	TE4EMFW08D2 40321L34						13/05	Assignment 2	
				Skin effect	TE4EMFW08D2 50321L35			0 1	Fundamentals of Electromagnetic		15/05		
			4	Poynting Vector and Poynting Theorem	TE4EMFW08D2 60321L36	185			Fields by Prof. Ajay Tinguria Reprint		15/05		
				Poynting Vector and Poynting Theorem	TE4EMFW09D3 00321L37	3	3		Edition 2010 Chapter No 10,		23/05		
	29th Mar			Reflection of Uniform plane wave at normal incidence plane	TE4EMFW09D: 10321L38	3			Page no 468to 525		28/0	st	
9	to 03rd Apr	4		Refraction of Uniform plane wave at normal incidence plane	TE4EMFW09D 10421L39	0					26/0	x	
				Reflection at oblique incident angle	TE4EMFW09D 30421L40	0					26	05	
				Introduction to Wave guides	TE4EMFW10D 50421L41	0					27	a	
	05th Apr			Wave equation in Cartesian coordinate	TE4EMFW10E 60421L42	00			30		27		
10	to 09th	5		Wave equation in Cartesian coordinate	TE4EMFW10E 70421L43	00			Fundamentals	of		106	
	Apr			Rectangular Wave guides	TE4EMFW100 80421L44	00	ial ,	e 7 E	Electromagne Fields by Prof.	tic		196	
			5	TE, TM, TEM waves in rectangular guides	TE4EMFW10I 90421L45	00	Co.		Tinguria Repr	int	03	-196	
				TE, TM, TEM waves in rectangular guides	TE4EMFW11 20421L46				Chapter No	10,		1 1	ment 3
	12th Apr	narge		introduction to Wave Impedance	TE4EMFW11 0421L47	D5			HOD		C	M/B/	



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	frence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment/ Tutorial Date	AC's sign
	Apr		- 1	cosses iii wave guide	TE4EMFW11D1 60421L48						67/06		
×		×		Introduction to circular waveguide	TE4EMFW11D1 70421L49						07/96		
				Introduction to radiation, Retarded potential	TE4EMFW12D1 90421L50			12			08/06		
	19th Apr			Electric and Magnetic fields due to oscillating dipole	TE4EMFW12D2 00421L51				1		08/04		
12	to 23rd	5		Power radiated and radiation resistance	TE4EMFW12D2 10421L52		100		- A		09/4		
	Арі			Power radiated and radiation resistance	TE4EMFW12D2 20421L53	9 -				19.35	09/66		
				Applications to short monopole and dipole	TE4EMFW12D2 30421L54				Fundamentals of Electromagnetic		02/07		
			6	Applications to short monopole and dipole	TE4EMFW13D2 60421L55				Fields by Prof. Ajay Tinguria Reprint Edition 2010		02/0/	,	
				Antenna efficiency, Beam width	TE4EMFW13D2 70421L56	2			Chapter No 11, Page no 526 to 577	,	040	7	
13	26th Apr to 01st	6		Introduction to Radiation intensity	TE4EMFW13D: 80421L57	2					oulo	7	
	May			Introduction to Radiation intensity	TE4EMFW1329 0421L58	9			21		05/0	<u></u>	
				Directive Gain, Power gain	TE4EMFW13D 00421L59	3					as)	and the second	
			-	Idea on Front to Back ratio	TE4EMFW13D 10521L60	0					60	-	
				Revision of UNIT 1	TE4EMFW14D 30521L61	0					0]	07	
	03rd May			Revision of UNIT 2	TE4EMFW14E 40521L62	00					16	100	
14	to 07th May	. 5	R	Revision of UNIT 3	TE4EMFW14E 50521L63	00						90)	
		ы		Revision of UNIT 4	TE4EMFW14E 60521L64	00					\ l	965	
acu	Ity in C	narge		Revision of UNIT 5 & 6	TE4EMFW14I 70521L65	00			HOD		1	000	



Dr. Millind Khanapurkar Principal Maharshi Karvo Storee Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-41118.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video		frence Book - Chapter no. Page	link for quiz or	Completi	Assignment/	
15	10th May to 15th	- Company of the Comp						Ald	no,edition. No	poll	on Date	Tutorial Date	AC's sign
	May					St	ESSIONA	L II EXAMINATIO	N				

S.BHATTACHARYA (Faculty Incharge)

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingan, Nappur-441110.



Maha shi Karve Stree Shikshan Sa stha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ETC / 20-21

Date: 31/ 01 / 2021

LESSON & TEACHING PLAN for Power Device & Machines

				Depart	ment of Electron	ics & Te	le Comm						200000000000000000000000000000000000000
aculty	Name: P	rof.S.Bha	attachai	гуа	Sub Code: B	EETE40	2T	Sub: Power De	vices & Machines	TO COMPANY SHAPE OF THE	Year :	2020-21	Sem:- I\
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll		Assignment/ Tutorial Date	
				Basic idea of three phase transformer, Construction	TE4PDMW01D01 0221L01						01/82		
				Delta to Delta Connection	TE4PDMW01D02 0221L02						02/62		-
	01st Feb			Star to Star connection	TE4PDMW01D03 0621L03				4	-	0402		+
1	to 6th Feb	6		Star to Delta Connection, Delta to Star connection	0221L04				Text book of		640		+
				Open Delta Connection	TE4PDMW01D0 0221L05				Electrical Technology by B.	L.	05/6		+
			5	Scott connection	TE4PDMW01D0 0221L06				Thereja (Vol 2) 21st Edition,				+
				Parallel operation of transforme			_		Chapter No 8	_	108		-+
				Principle operation of Three phase Induction Motor	0221L08				<u> </u>	1		62	
2	08th Fe	77.0		Necessity of Starter, DOL starter			-						
	Feb			Auto transformer starter, Star delta Starter	TE4PDMW02E 0221L10		_					02	
				Speed Control Technique of Induction Motor	TE4PDMW02I 0221L11			1		_	- 112	162	
				Principle operation of DC moto	The state of the s					-		13/0/	
				Different types of DC motor	TE4PDMW03 0221L13			. /	HOD			1/1/21	

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stres Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

VEEK No.	Week	No. Of Lect.	Un No	10000	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Active Virtual lab IInk Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll		Assignment/ Tutorial Date	AC's sig
3	to 20th	5		S	peed control of DC shunt motor,	TE4PDMW03D17	SEE MULAYOR					20/62		
5	Feb			F	lux control Method	0221L14						-0/07		
			1	1	Armature control Method	TE4PDMW03D18 0221L15				Text book of Electrical		23/02	toju-1	
				6	Voltage control method	TE4PDMW03D20 0221L16				Technology by B.L.Thereja(Vol 2),		24/02		
				1	Speed control of DC series motor	TE4PDMW04D22 0221L17				21st Edition, Chapter No 11,		25/02		
					Flux control method	TE4PDMW04D23 0221L18				Page 3.1 to 3.58		01/03		
4	Feb	to 5			Rheostatic control method	TE4PDMW04D24 0221L19						02703		
	26th	reb			Construction and working of Universal motor	TE4PDMW04D2	5					03/03		
1					Characteristics and application of		6			1		T.d.		1
1			1		Universal motor	0221L21						alo	3	1
					SCR Construction, Operation	TE4PDMW05D0	1					05/03	,	
					Two Transistor Analogy	TE4PDMW05D0)2					28/0	y	
		st			Static and Dynamic	TE4PDMW05D	03					27/0	2	
1 :	5	rto	6		Char, Switching Char	0321L24 TE4PDMW05D	04		_	_	-		1	+
	0	ith Iar			Gate Char, Triggering Requirement	0321L25	04			Text book on Power Electronic		18	ay	
					Isolation Technique	TE4PDMW05D 0321L26	05			by Deodatta Singare, 4th		291	oy	
				1	Pulse Triggering and brust Triggering	TE4PDMW050	006			Edition 2010, Ch		30	cy/	
-	+				Construction and Operation Of	TE4PDMW06	800			No 3, page 3.1	to	02	05	
					TRIAC	0321L28	200	_				_		-
	M	Bth ar to			Steady state Char, Triggering Modes	TE4PDMW06 0321L29	009					OR	05	
	6 1	2th 1ar	4		Principle of DIAC	TE4PDMW06 0321L30	241 7.00					80	105	
					Phase Control Using TRIAC	TE4PDMW06 0321L31	D12					Ø	jost	

Hingna, Hogper-441110 E

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

K.	Week	No. O	108 70%	Jnit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment/ Tutorial Date	AC's si
	15th Mar to 20th Mar						Se	essional I E	examination			T		
	IVIO				Construction, Operation of IGBT	E4PDMW08D22 0321L32						760		
	22nd				Steady stage char, Switching Char	E4PDMW08D23 0321L33 E4PDMW08D24						07/05		
8	Mar to 26th	5			circuit for power BJT	0321L34			-	Text book on Power Electronics		1000	-	
	Mar				Construction, Operation of Power MOSFET	0321L35 TE4PDMW08D26	_	-		by Deodatta Singare, 4th		11105	7	
				2	Static Char, Switching Char Forward and Reverse Bias	0321L36 TE4PDMW09D30	1			Edition 2010, Chp No 2, page 2.3 to		13100	Asim-2	1
				3.	operation, Gate drive circuit Construction and Operation of	0321L37 TE4PDMW09D3	L			2.4		150	5	
9		2 3 7	4		GTO	0321L38 TE4PDMW09D0 0421L39	1					230	id	
	03rd A	.pr			Turn off mechanism of GTO Various applications of GTO	TE4PDMW09D0	3					130	5	
		+		-	Single phase half wave controlled Rectifier)5				-		5	+
				2	Single phase full wave controlled	0421L42				\rightarrow	-	/	05	+
1	05th / 0 to 09	624	5		Bridge configuration with R and F L load	0421L43				Text book or	100	_	196	-
-	Арі				Effect of free wheeling diode	0421L44				by Deodatt Singare, 4t	a	0	,	-
				3	Three phase half wave controlled rectifier Three phase full wave controlled	0421L45	1,1			Edition 2010,	Chp	0	11-0	
					rectifier Basic Principle and operation o	0421L46				6.177			8/26	
-	12th				AC to AC converter	421L47	S			HOD			1	741



Dr. Milind Khanapurkar Principal Maharshi Karve Stres Shiksahan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

EEK No.	Week	The same	o. Of ect.	Unit No.	Exa	act Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll		Assignment/ Tutorial Date	AC's sign
	Apr	"	•		Sing	tle phase AC voltage controller T	E4PDMW11D16 0421L48	Nest to San San	各 副海洋 医 100	William X House			9/2		
					W		TE4PDMW11D17 0421L49						09/05		
					1,		TE4PDMW12D19 0421L50]]		09/0		
	19th	Apr			Т	ypes of Chopper, Step up and Step down Chopper	TE4PDMW12D20 0421L51				1 1		11100		
12	to 2	3rd	5				TE4PDMW12D21 0421L52				-		11/06		
					L	Class A, Class B Chopper	TE4PDMW12D2 0421L53 TE4PDMW12D2				Text book on Power Electronics		1110		
	\perp	_		_	-	Class C, Class D Chopper Class E Chopper, Control	0421L54 TE4PDMW13D2			1	by Deodatta Singare, 4th		02/07	1	1
				4	-	Strategies	0421L55 TE4PDMW13D2	27	-	-	Edition 2010, Chp No 8 &9, page 8.1	1	0240	1 4 0	5
	26	th Apr			-	Classification of Inverter Working principle of Single phase	0421L56 TE4PDMW13D	28			to 9.55		aylo	1	1
:	13 to	01st May	6		T	half bridgeinverter with R and R- Working principle of Single phas Full bridgeinverter with R and R-	e TE4PDMW132	90					04		
					t	Three Phase Bridge inverter for resistive load		30					20	150	
					ı	Three Phase Bridge inverter for resistive load	TE4PDMW130 0521L60	001					20	10)	
						Revision of Unit 1	TE4PDMW14 0521L61							10)	
		03rd				Revision of Unit 2	TE4PDMW14 0521L62						19	11	
	14	May to 07th	5	5	R	Revision of Unit 3	0521L63				-	\perp	\d		_
		May				Revision of Unit 4	0521L64 TE4PDMW1		_			-		207	
L						Revision of Unit 5 & 6	0521L6	March Street						2/07	

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic 10	PPt ID	Video ID	Refrence Book - Chapter no. Page no,edition. No	link for quiz ar	Completi on Date	Assignment/ Tutorial Date	AC's sign
15	10th May to 15th			SESSIONAL II EXAMINATION								

S.BHATTACHARYA

Faculty in Charge

HOD





Maharshy karve Stree Shikshan Sams da's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ETC / 20-21

LESSON & TEACHING PLAN for Digital Signal Processing

2021

				Dep	artment of Electroni	ics an	d Teleco	ommunication					
Facult	y Name: Mrs. Pallavi Ganorkar No. Of Unit Exact Tonic Name & Subtonic							Sub: Digital Sign	al Processing	Seci	Year : 2020-21		Sem:- VI
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
1	1 Feb-6 Feb	6	1	over analog cional processing	ETC6DSPW01D01 02211.01-06			Verification on MATLAB	J.G. Proakis, D.G. Manolakis "Digital Signal Processing: Principles, alcorithms and		4/2/0		
2.	8 Feb- 12 Feb	5		Discrete time signals & systems: Discrete time signals & systems, classification of discrete time signals and systems, LTI systems	ETC6DSPW02D08 0221L07-11			Verification on MATLAB	algorithms and applications, Pearson Education		8/2	20/2	12
3	15 Feb- 20 Feb	5	1,11	linear convolution, Cross Correlation, Autocorrelation. The Z-transform: Definition, properties of the region of convergence for the Z-transform	ETC6D8PW03D15 0221L12-16			Verification on MATLAI	3		20/2	2	
4	22 Feb- 26 Feb	5	n	Z-transform properties, Inverse Z- transform, Parseval's theorem	ETC6DSPW04D22 0221L17-21	2			J.G. Proakis, D.C Manolakis "Digit Signal Processin Principles,	al	25	2/2/	
5	1 Mar-6 Mar	6	11,111	unilateral Z-transform, Definition and properties of DFT, IDFT, Relation between DFT and Z-Transform	ETC6DSPW05D0 03211.22-27	1			algorithms and applications, Pearson Education				X

Faculty in Charge

нор



WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
6	5 Mar- 12 Mar	6	m		ETC6DSPW06D05 0321L28-33			Verification on MATLAB			3/5/2		7
7	15 Mar- 20 Mar					5	Sessiona	lI			1, \		
8	22 Mar- 26 Mar	5	III	Frequency analysis of discrete time signals using DFT, Gortzel algorithm	ETC6DSPW08D22 0321L34-38						7 15/2	124/5	41
9	29 Mar- 3 Apr	4		Filter design methods – Approximation of derivatives, Impulse invariance, bilinear transformation,	ETC6DSPW09D29 0321L39-42			Verification on MATLAB	J.G. Proakis, D.G. Manolakis "Digital Signal Processing: Principles,		2415		1
10	5 Apr-9 Apr	5	īv	characteristics & designing of Butterworth, Chebyshev filters, frequency transformations	ETC6DSPW10D05 0421L43-47				algorithms and applications, Pearso Education	n	25/5/	2	
11	12 Apr- 17 Apr	4	7	IIR filter structuresDirect form I-II, transpose form, parallel form, cascade, Lattice and Lattice-ladder structures	ETC6DSPW11D12 0421L48-51	2		Verification on MATLAB	1		27 \ 5	,(2)	
12	19 Apr- 23 Apr	5	v	Symmetric and antisymmetric FIR filters, Linear phase FIR filter, design of FIR filters using windows (Rectangular, Bartlett, Hanning, Hamming & Blakman)	ETC6DSPW12D19 0421L52-56	9		Verification on MATLAE	J.G. Proakis, D.C Manolakis "Digi Signal Processir Principles, algorithms an	tal ig:	216	21	
13	26 Apr- 1 May	6		frequency sampling method, FIR differentiators, FIR filter structures	ETC6DSPW13D2 0421L57-62	6		Verification on MATLA	ation applications,	1	316	12	1

Faculty in Charge

HOD



								1				A STATE OF THE PARTY OF THE PAR	THE PROPERTY OF STREET
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
14	3 May-7 May	5	VI	Introduction, Decimation by factor D, Interpolation by factor I, Sampling rate conversion by rational factor I/D, Sub band coding of speech signals and its applications, introduction to wavelet & wavelet transform					A.V. Oppenheim, R.W. Schafer, "Discrete Time Signal Processing" Pearson Education		1416)	21	R
15	10 May- 15 May	1					Session	al II					
16	17 May- 21 May	. 2	VI	Introduction to DSP architecture TMS 320	ETC6DSPW16D17 0521L68-69	7		Will demonstrate them on kit			1116	12	Bai

Sub. Teacher

Faculty in Charge

HOD





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/ ETC/ 20-21

Date: 01/02/2021

LESSON & TEACHING PLAN for Digital Communication

Fann	lt: Nama	Me	Kanc	Department of Electro	ines et 1	Ciccomi	Year: 2			Subject Code	: BEETE604T	
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
ŀ	15 April - 20 April 21	6		Review of Random variables, PDFs & CDFs, Central limit Theorem. Model of digital communication system,			using ICT tool, will				8/10/2020	
2	22 April - 27 April 21	5		Gram Schmitt Orthogonalization procedure, signal space concept, Geometric interpretation of signals	pt_01 DCOM_h	1	topics	Digital communication: by	t			
3	29 April- 8 May 21		I	probability of error, correlation receiver, matched filter receiver S	andwritte _notes_p f_01		NPTEL Lecture	Simon Haykin				



						SES	SIONAL -			•	
4	10 May - 15 May 21						•				
5	17 May - 22 May 21	6	11	Source coding Theorem, Huffman coding-Z encoding algorithm, rate distortion theory for optimum quantization, scalar & vector	DCOM_h andwritten	Source coding theorem : NPTEL video link https://w	sampling and quantization will explain	Digital Communica tion:B. P.			4.5
3	24 May - 29 May	6		quantization.Waveform coding methods: ADPCM, Adaptive Sub-Band & Transform coding, LP & CELP coding.,	_notes_pd f_02	ww.yout ube.com/ watch?v =aVD1k mBJSsk	with matlab coding	Lathi Pg. No. 216- 220			
6	31 May - 5 Jun 21	6		Coherent Binary: QPSK, MSK, Gaussian MSK, DPSK, Memory less modulation	DCOM_h		Will show matlab simulink simulation of FSK using Matlab	Digital communicat ion: by Simon Haykin	•		
8	7 Jun - 12 Jun 21	6	ш	methods linear modulation with memory, nonlinear modulation methods with memory: CPFSK, CPM.	_notes_pd f_03		will organize Industry persons expert lecture on topic Modulation schemes	Digital communicat ion: by Simon Haykin			
9	14 jun - 19 Jun 21	6	īV	Introduction to Galois field, Construction of Galois field GF (2 m) & its basic properties. Types of error control: Forward error correction (FEC), Automatic repeat request system (ARQ). Convolution encoding and decoding distance properties, Viterbi algorithm and Fano algorithm	DCOM_h andwritten _notes_pd f_04		NPTEL Lecture	Digital Communica tion: Simon Haykin			

Hungh



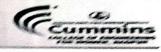
		,								· ·	
	21 jun'- 26 Jun 21	6	V	Turbo coding, & Reed Solomoh Codes:	DCOM_h nndwritten _notes_pd = f_05		Tutorini	Digital Communication: J.S.Chitode			
12	28 Jun - 3 July 21	6	VI	Spread - Spectrum methods: - Study of PN sequences, direct sequence methods, Frequency hop methods, slow and fast frequency hop,	andwritten		Will show matlab simulink simulation o	Digital communicat ion: by			
13	5 July - 9 July 21	6		performance analysis, synchronization methods for spread spectrum. Application of spread spectrum, CDMA, Introduction to OFDM	f_06		BPSK using Matlab	Simon			
14	03 MAY - 07 MAY 21				Internal	Practical &	& Final Subn	nission	2.€.		
15	12 July - 16 July 21					SESSIO	NAL - II				







CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ ETC/ 20-21

Date: 01/02/2021

LESSON & TEACHING PLAN for Telecommunication Switching System ENGINEERING

				Departs	ment of Electronic	cs & 1	letecon	imunication(ng)	neering		· The same of the		
Facu	Ity Na	me: I	rof.	Jaya Gadge	Sub: Telecommu	inicat	ion Sw	Year: 20	20-21	Semi-VI	Subject Cor	de: BEETEROOT	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	quiz or	Completio n Date	Assignment/ Tutorial Date	AC's sign
B - 3	61 FEB 66 FEB 21	1		Principles of manual switching system, electronic telephone, local and central battery system, trunk exchange, junction working. Automatic telephony: strowger exchange, line switches and selectors, ringing and tone circuit.	ETC6TSSW01 D030221L03 ETC6TSSW01 D040221L04			Will show the open circuitary of telephone as well as will be use damage	Thiagrajan Vishwanat han (chapter1 &2: page no.1-59)	t	02/02/21		
	08 FEB 12 FEB 21	5	1	subscriber uniselector circuit, trunking diagram, cross bar switching system.Message switching, Circuit switching, manual switching and Electronic Switching.	ETC6TSSW02 D080221L07 ETC6TSSW02 D090221L08 ETC6TSSW02 D100221L09			phone for breaking and showing students	Thiagrajar Vishwanatl n(chapter :page no. 6	tha 3	62 02	2	



3	15 FEB 20 FEB 21	6		Digital switching: Switching functions, space division switching, time division switching, two dimensional switching, digital cross connect systems, digital switching in an analog environment.	D180221L15 ETC6TSSW03 D190221L16 ETC6TSSW03 D200221L17	For digital switching use PC and its layer transmission	Thiagrajan Vishwanat han(chapte r 5 & 6: page no. 141 -226	12102121 15/02/21 20/02/21
4	22 FEB 26 FEB 21	5	ın	Single Stage Networks, Gradings: Principle, Design of progressive grading, other gradings, Traffic capacity of gradings. Link Applications of gradings. Link Systems: General, Two stage networks, three stage networks.	D230221L19 ETC6TSSW04 D240221L20 ETC6TSSW04 D250221L21	Will show the trunk plates	J.E.Flood (chapter 5 : page no. 117 to 137)	22/02/21
5	01 MARC H - 06 MARC H 21	6	ш	systems: General, Two stage networks, three stage networks, Call packing, Rearrangeable networks, Strict sense non blocking networks, Sectionalized switching networks Control of Switching Systems	ETC6CSEW04 D260221L22 ETC6TSSW05 D010321L23 ETC6TSSW05 D020321L24 ETC6TSSW05 D030321L25 ETC6TSSW05 D040321L26 ETC6TSSW05 D050321L27 ETC6TSSW05 D050321L27		J.E.Flood (chapter 5 : page no. 117 to 137)	26/2/21 01/03/2/ 06/03/21



	T				TOTAL CONTROL				
6	08 MARC H - 12 MARC H 21	5	ш	exchanges, State transition diagrams. Common Control, Reliability, Availability and Security.	TC6TSSW06 D080321L29 ETC6TSSW06 D090321L30 ETC6TSSW06 D100321L31 ETC6TSSW06 D110321L32 ETC6TSSW06 D110321L32	Will use mobile phone and show all the operations	J.E.Flood (chapter 5 : page no. 138to 154)	11103/24	Kaul
7	15 MARC H-20 MARC H21				21103211133	SESSIONAL - I		11103124]	
8	22 MARC H-26 MARC H21	5	v	Data Networks: Data Transmission in PSTN, Data Communication Architecture,Link to link layers, End to End layers, Satellite based Data networks, LANs, MANs, Fiber optic networks, Data network Standards, Protocol stacks, Interworking.	ETC6TSSW08 D220321L34 ETC6TSSW08 D230321L35 ETC6TSSW08 D240321L36 ETC6TSSW08 D250321L37 ETC6TSSW08 D260321L38		Thiagrajan Vishwanat han (chapter 10: page no.394 413)& (page no.	95/18/21	
9	29 MARC H - 03 APRIL 21	6	VI	Mobile telephone services, cellular telephone, Frequency reuse, Interference.Cellular System topology, Roaming and handoffs, Cellular telephone network components, Cellular telephone calls processing. Cellular Telephone systems: Digital cellular telephone	D200321L38 ETC6TSSW09 D290321L39 ETC6TSSW09 D300321L40 ETC6TSSW09 D310321L41 ETC6TSSW09 D010421L42 ETC6TSSW09 D020421L43 ETC6TSSW09		Wireless communication by T.S.Rappaport(chapter 3:page no. 57-97)	24/3/24	Raw
_					D030421L44			03/184/21	



10	APRIL 09 APRIL 21					RETEST			
11	12 APRIL - 17 APRIL 21	6	п	measurement, a mathematical model, Lost- call systems: Theory, traffic performance, loss systems: tandem.Queuing systems: Erlang Distribution, probability of delay, Finite queue capacity, systems with a single server, Queues in tandem, delay tables and	D150421L48 ETC6TSSW11 D150421L48 ETC6TSSW11 D160421L49 ETC6TSSW11		J.E.Flood (chapter 4:	12/04/24	
12	19 APRIL - 23 APRIL 21	5		Analysis: Traffic Characteristics: Arrival Distributions, Holding time Distribution. Loss Systems: Lost calls cleared, lost calls returning, lost calls Held, lost calls cleared.	D200421L52 ETC6TSSW12 D210421L53 ETC6TSSW12 D220421L54 ETC6TSSW12		page no. 87	14/04/21 19/04/21	Ra
13	26 APRIL 01 MAY 21	6	IV	Iming: Timing Recovery, Clock Instability, Elastic Stores, Jitter measurements, systematic jitter.Timing Inaccuracy: Slips, Asynchronous Multiplexing, Waiting time jitter.Network Synchronization: Plesiochronous, pulse stuffing, mutual synchronization, Network master, Master – Slave synchronization, Hierarchical	D240421L56 ETC6TSSW12 D250421L57 ETC6TSSW12 D260421L58 ETC6TSSW12 D270421L59		J.E.Flood (chapter 2: page no. 16 - 47)	22 6v 121 22 10u 121	



14	MAY 07 MAY 21	Internal Practical & Final Submission	
15	10 MAY - 15 MAY	SESSIONAL - II	





Maharshi I prove Stree Shikshan Samsth s CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accumen with a difference



CCOEW/ ETC/ 20-21

Date: 01/02/2021

LESSON & TEACHING PLAN for Microwave & RADR Engineering Department of Electronics & TelecommunicationEngineering Sem:-Faculty Name: Prof. Jaya Gadge Sub: Microwave & RADR Enginee Year: 2020-21 Subject Code: BEETE801T VIII Activity/ Refrence Book WEE No. Virtual lab link for Assignment Wee Unit Exact Topic Name & Video Chapter no. Completio K Of **Topic ID** PPt ID link quiz or /Tutorial AC's sign No. Subtopic ID Page no, edition. n Date No. Lect. Teaching poll Date No Aid ETC8MREW01D 01/02/22 010221L01 Assi10/9/2 Introduction of Microwave ETC8MREW01D signals, range and 020221L02 01 Tubes, High frequency ETC8MREW01D FEB limitations of conventional 030221L03 1 6 06 ETC8MREW01D tubes, Two Cavity and multi FEB cavity Klystrons ,Structure 040221L04 21 ETC8MREW01D and working with Shows the 050221L05 numericals convention ETC8MREW01D al tubes and 060221L06 S.Y. Liao, 2 10212 microwave ETC8MREW02D "Microwave tubes 08/2 080221L07 Devices and ETC8MREW02D Circuits", 08 Reflex 090221L08 Prentice Hall FEB ETC8MREW02D Klystrons, slow-wave 2 5 I 12 India, Microwa structure: TWT with 100221L09 FEB ve and Radar Numericals and Derivation ETC8MREW02D 21 Engg. By 110221L10

ETC8MREW02D

120221L11



Dr. Milind Khanapurkar
Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummins College of Engineering for Women

12102

M.Kulkarni(Pa

ge no. 297 -

3	15 FEB - 20 FEB 21	6		BWO(Backword wave oscillator),Magnetron oscillator and its types	ETCMREW03D 150 L12 ETC8MREW03D 650221L13 ETC8MREW03D 170221L14 ETC8MREW03D 180221L15 ETC8MREW03D 190221L16 ETC8MREW03D 200221L17	explain with existing klystron generator in lab	338)	15/2/2	
4	22 FEB - 26 FEB 21	5	п	Introduction of Microwave Components,Introduction to rectangular waveguide &	ETC8MREW04D 220221L18 ETC8MREW04D 230221L19	Power measureme nt using Reflex Klystron with variation by practically		25/10/10	
5	01 MAR CH- 06 MAR CH 21	6	п	Sparameters for multi-ports (2-port, 3-port,	260221L22 ETC8MREW05D 010321L23 ETC8MREW05D 020321L24 ETC8MREW05D 030321L25 ETC8MREW05D 040321L26 ETC8MREW05D 050321L27 ETC8MREW05D	Will show all the component of microwave	India and	27/1/2	faut
	08 MAR			Microwave	060321L28 ETC8MREW06D 080321L29 ETC8MREW06D 090321L30	With the help of power		06/03/22 41 98/18/22 09/3/22	



-	Vn.		1	l attenuators, Slotted line,	ETC MREW06D		measureme			
6	12	5	II	Ferrite devices.	100321L31		nt will		10/3/22)
	MAR				ETC8MREW06D	_	show the		():-2	
	CH 21				110321L32		concept of			19
	21				ETC8MREW06D	_	all the			-1/2
	15				110321L33		device		11/3/2	Kank
7	MAR					SESS	IONAL - I		111312	J'
					ETC8MREW08D		TOTALE I	5.1. Liao,		
	22			Solid State Microwave	220321L34			"Microwave	22/03/22	γ
	MAR			Devices Parametria	ETC8MREW08D			Devices and	2013122	
	CH-			Devices, Parametric amplifiers,	230321L35			Circuits",	1	
	26	5	Ш	PIN diodes, Transferred	ETC8MREW08D		NPTEL	Prentice Hall		
	MAR	5	111	Electron devices: Gunn	240321L36			ACTIVITIES OF THE PROPERTY OF		
	CH			, realistic aloue,	ETC8MREW08D		Lectures	India,Microwa		
	21			Transit Time devices like	250321L37			ve and Radar		fant
				IMPATT, TRAPATT diodes.	ETC8MREW08D			Engg. By		1000
				" "	260321L38			M.Kulkarni(Pa	l lach	
	l e				ETC8MREW09D			98 369 436)	1263	1
				-2 -1	290321L39	6		"Principles of	29/3/22	()
	29			radar range equation, factors				Radar	291312	-++-
	MAR			influencing maximum	300321L40		Will show	Engineering",		
	CH-	_	**	range, Numericals based on	ETC8MREW09D		target	McGraw Hill		+
9	03	6	V	Radar range Equation ,effects			detection	Publications		
	APRI			of noise, Pulsed	ETC8MREW09D		using CW	and		
	L 21			radar systems.	010421L42	14 27	RADAR	Annual Control of the		11
			-		ETC8MREW09D		1	Microwave and	10	
					020421L43		45	Radar Engg. By	oloybe	
	05 APRI						e ji			
0	L - 09					DET	EST			1
	APRI					KLI	LOI			1
	L 21			*						1
1	221			,	ETC8MREW11D			Skolnik,	1 1	TIR
					120421L45	- 1		"Principles of	10/04/12	1//
- 1					ETC8MREW11D		will		Kindi	
			-	Antennas and scanning,	130421L46		practically	Radar		11
	12			display methods, moving	ETC8MREW11D		show the	Engineering , —		
	APRI			target indication, radar	Service and American Company (working o	f McGraw Hill	14/04/2	1.1
1	T 17	6	1/1	hazcone CM Donnlar	140421L47		I working o	1 Publications	114 1041.0	



-	APRI		1	ן שבפנטווס, כיי שטייונו							
	L 21			radars, applications of radar	ETC MREW11D 1504 L48 ETC8MREW11D 160421L49 ETC8MREW11D 170421L50	r		and Microwave and Radar Engg. By M.Kulkarni(Pa	15/472		
12	19 APRI L - 23 APRI L 21	5		Microwave measurement: Introduction to microwave measurements, definition and	ETC8MREW12D 190421L51 ETC8MREW12D 200421L52 ETC8MREW12D 210421L53 ETC8MREW12D 220421L54 ETC8MREW12D		Will practically	ge no. 545-570) S.Y. Liao, "Microwave	19/4/72		
13	26 APRI L - 01 MAY 21	6	IV	measurement methods of frequency,power, attenuation VSWR, impedance, insertion loss, dielectric constant, Q of a cavity resonator, phase shift.	230421L55 ETC8MREW12D 240421L56		practically perform all the measurement nt parameter	Circuits", Prentice Hall India and Microwave and Radar Engg. By	22 5u 122		Rough
14	03 MAY - 07 MAY 21					ractical &	& Final	l Submission		124)
15	10 MAY - 15 MAY 21	-				SESSIC	ONAL - I	1			





Maharshi Garve Stree Shikshan Samst 7's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ETC / 20-21

Date: 29/ 1 / 2021

LESSON & TEACHING PLAN for Computer Communication Network

				De	partment of Electroni	ics an	d Teleco	mmunication					
Facult	y Name:	Mrs. Pa	llavi Ga	norkar				DECREES OF THE PROPERTY OF THE PROPERTY OF	r Communication twork	Sec:	Year: 2	2020-21	Sem:- VIII
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
1	1 Feb-6 Feb	6	I	Uses of computer Network, Network Software-design Issues for layers, Service primitives and relationship of services to Protocols, Reference models-OSI	ETC8CCNW01D01 0221L01-06			1 - 2	Andrew Tenenbaum, "Computer Networks", 4th		4/2/21		
2	8 Feb- 12 Feb	5		TCP/IP, network architectures introduction, Example of networks-X.25, Frame Relay & ATM, Protocols and Standards	ETC8CCNW02D08 0221L07-11				Edition, Pearson Education		8/2/21	11/2/2	1
3	15 Feb- 20 Feb	5	п	Physical layer-Data rate limits, Transmission media-guided and Unguided, Switching systems-Circuit switching	ETC8CCNW03D15 0221L12-16						11/2/2		
4	22 Feb- 26 Feb	5		Datagram Switching & Virtual circuit switching, Structure of circuit and packet switch, cable modem and DSL technologies	ETC8CCNW04D22			Will show them in CC lab	Andrew Tenenbaum,		16/2/2	1	
5	1 Mar-6 Mar	6	п,ш	SONET basics, selection of IEEE std 802.11, a,b,c,g, Data link layer: Framing, Flow & Error control Protocols, HDLC, PPP	ETC8CCNW05D01 0321L22-27				"Computer Networks", 4th Edition, Pearson Education		23/2/	2	

Faculty in Charge

HOD



WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
6	5 Mar- 12 Mar	6	m	Multiple access techniques,random access, controlled access & Channelization, Ethernet typesbridged, Switched, Full duplex, Fast & gigabit Ethernet, Introduction to Data link layer in 802.11 LAN	ETC8CCNW06D05 0321L28-33								
7 1	15 Mar- 20 Mar			,		Se	essional	I					
8	22 Mar- 26 Mar	5		Connecting devices like passive hubs, repeaters, Active hubs, Bridges, Two-layer Switches, Routers, three layer switches, Gateway etc., Backbone networks, Virtual LANs, Simple Router architecture, Sliding window protocol				Will show them in CC lab	Andrew Tenenbaum, "Computer Networks", 4th Edition, Pearson Education				
9	29 Mar- 3 Apr	4		IPv4 address, IPv6 address, Address mapping-ARP, RARP & DHCP, IPv4 datagram detail format, IPv6 datagram detail format,	ETC8CCNW09D29 0321L39-42			Demonstration on Desktop PC	ž.	-			
10	5 Apr-9 Apr	5		ICMP, IGMP, Network layer issues like Delivery, forwarding, intra- domain and Inter-domain routing, Routing algorithms like Shortest path routing, Flooding	ETC8CCNW10D05 0421L43-47	100	10	Simulation on NS2	Andrew Tenenbaum, "Computer		714/2		
11 1	12 Apr- 17 Apr	4		Distance Vector Routing, Link State Routing, Path vector routing etc., Addressing types-Physical, Logical & port address.Process to process delivery,	ETC8CCNW11D12 0421L48-51			Demonstration on Desktop PC	Networks", 4th Edition, Pearson Education	2			

Faculty in Charge

HOD



K No.	Week	No. Of Lect.	No.	Exact Topic Name & Subtopic Connection oriented &	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's
12	19 Apr- 23 Apr	5		Connectionless Transport, UDP,TCP, congestion control and Quality of Service	ETC8CCNW12D19 0421L52-56			1			15/5/21		
13	26 Apr- 1 May	6	v	Application layer protocols and applications like Ping, FTP, telnet, http (www), SMTP, SNMP, Trace route, TFTP, BOOTP, DNS, NFS, RPC, X-server, E-mail, Introduction to streaming Audio/Video,P2P file sharing, Introduction to socket programming	ETC8CCNW13D26 0421L57-62			Demonstration on Desktop PC			29 5 2		
14	3 May-7 May	5	VI	Introduction to Cryptography, Secret key algorithm, public key algorithm, Hash Functions, basic ITU-T Recommendation - X.805 Security Architecture, Basics of Security Requirements/Services/Dimensions, Basics of Security attacks, Basics of Security mechanisms / solutions	ETC8CCNW14D03 0521L63-67			Demonstration on Desktop PC	William Stallings, "computer Networks and Cryptography", 3rd edition, Pearson Education		4/6/21	6 6 21	
15	10 May 15 May		•			Sess	sional I						_
16	17 May- 21 May		VI		ETC8CCNW16D17 0521L68-69			Will show them in CC	William Stallings, "computer Networks and Cryptography", 3rd edition, Pearson	9	5/6/2/17	162	

Faculty in Charge Sub. Teacher

HOD

Academic coordinator





Maharshi Warve Stree Shikshan San Stha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accuracy with a difference



W/AS / 20-21

LESSON & TEACHING PLAN for Applied Mathmatics-III

Department of Allied Science

Date: 2/ 8 / 2020

ame: Pro	of. Sneha	Uttarw	ar				40	Sub: Appli	ed Mathematics_	Branch: Mechanic	Year: 202	0-21	Sem :- III
Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Link for Video	Virtual lab link	Refrence Book - Chapter no. Page	link for quiz or poll	Completion Date		AC's sign
			MATRICES: Linear Transformations, Orthogonal Transformations,	BEETE301TW01 D100820L01			·			а	8/10/2020		
10 Aug			Linear dependence of vectors,	BEETE301TW01 D110820L02	AM_LD_ ppt_01	AM_LD_ V_01AM _LD_V_	https://bit.ly/30rF63d /https://bit.ly/33psPOC				8/11/2020		
14 Aug20	5		Characteristics equation, Eigen values and Eigen vectors	BEETE301TW01 D120820L03			W				8/12/2020		
			Reduction to Diagonal form	BEETE301TW01 D130820L04	AM_EV_ppt_02	AM_EV_ V_03 AM_EV			r !		8/13/2020	0	
			Cayley Hamilton Theorem [without proof]	BEETE301TW01 D140820L05				,	Mathematic		8/14/202	.0	
7.6			Orthogonal	BEETE301TW02 D170820L06	- THE	_V_05 AM_Caly	https://bit.ly/2PqCnRr	- 1 - C	N. tembheka	r,	8/17/200	20	
	Week	Week No. Of Lect.	Week No. Of Lect. No. 10 Aug 14 Aug20	MATRICES: Linear Transformations, Orthogonal Transformations, Linear dependence of vectors, Linear dependence of vectors, Characteristics equation, Eigen values and Eigen vectors Reduction to Diagonal form Cayley Hamilton Theorem [without proof] Reduction of Quadratic form to Canonical form by Orthogonal	Week No. Of Lect. No. Subtopic Topic ID MATRICES: Linear Transformations, Orthogonal Transformations, Orthogonal Transformations, Orthogonal Transformations, Orthogonal Transformations, Dillo820L01 Linear dependence of vectors, Dillo820L02 Characteristics equation, Eigen values and Eigen vectors Reduction to Diagonal form Dillo820L03 Reduction of Diagonal Dillo820L04 Cayley Hamilton Theorem [without proof] Reduction of Quadratic form to Canonical form by Orthogonal Dillo820L06	Week No. Of Lect. No. Of Lect. No. Of Lect. No. Discription of Lect. MATRICES: Linear Transformations, Orthogonal Transformations, Orthogonal Transformations, Orthogonal Transformations, Orthogonal Transformations, Discription of Linear dependence of Vectors, Discription of Linear depen	No. Of Lect. Unit Lect. No. Exact Topic Name & Subtopic Topic ID PPt ID Video ID	Week No. Of Lect. Unit Lect. No. Exact Topic Name & Subtopic Topic ID PPt ID Video ID Link for Video	No. Of Lect. No. Unit Lect. No. Exact Topic Name & Subtopic Topic ID PPt ID Video ID Link for Video Activity/Virtual lab link Teaching Aid	No. Of Lect. Unit No. Exact Topic Name & Subtopic Topic ID PPt ID Video ID Unit for Video Activity/ Virtual lab link Teaching Ald Reference Book-Indian India Reference Book-India India Martion Mart	Week No. Of Unit Exact Topic Name & Subtopic Topic ID PPt ID Video ID Unk for Video Activity/ Virtual lab link Refrence Book link for quiz or poll Refrence Book link for quiz or po	No. of Unit Exact Topic Name & Topic ID PPt ID Video ID Unik for Video Activity / Virtual Ink for Chapter no. Page Ink for quiz or poll Asignme Activity / Virtual Ink for No. of Linear Transformations, Orthogonal Transformations, Di00820L01 Di00820L02 Di00820L03 Di00820L03 Di00820L03 Di00820L03 Di00820L03 Di00820L03 Di00820L03 Di00820L03 Di00820L04 Di00820L03 Di00820L04 Di00820L05 Di00820L05 Di00820L05 Di00820L05 Di00820L05 Di00820L05 Di00820L05 Di00820L05 Di00820L06 Di008	



0	***************************************			BEETE301TW02 D180820L07					Fingner Engineering Mathematics:	8/18/2020	r
			- J * 1 # * * * * * * * * * * * * * * * * *	BEETE301TW02 D190820L08	ANI_SI_	AM_Sy_ V_07 AM	https://bit.ly/39WQFTq /https://bit.ly/2C15oA4		Dr. B.S. Garewal	8/19/2020	
17Aug- 22 Aug20	6			BEETE301TW02 D200820L09						8/20/2020	
			Equation with Constant	BEETE301TW02 D210820L10	AM_DE_ ppt_05	AM_DE_ V_09 AM_DE_ V_10	https://bit.ly/31nd73W			8/21/2020	Assi 21- 08-20
			Tutorial-1	BEETE301TW02 D220820L11				0		8/22/2020	Tutorial-I
			PARTIAL DIFFERENTIAL EQUATIONS:First Order First Degree i.e. Lagrange's form	BEETE301TW03 D240820L12						8/24/2020	
			PARTIAL DIFFERENTIAL EQUATIONS:First Order First Degree i.e.	BEETE301TW03 D250820L13	AM_PD E_ppt_06	AM_PD E_V_11 AM_PD E_V_12				8/25/2020	
24 Aug- 29 Aug20	6		Linear Homogeneous Equations of higher order with constant coefficients	BEETE301TW03 D260820L14						8/26/2020	
-		v	Linear Homogeneous Equations of higher order with constant coefficients	BEETE301TW03 D270820L15					Engineering Math ematics: Chandrashekhr	8/27/2020	



		-							1.00	and the second			
1					AM_PD	AM_PD E_V_13 AM_PD	8	0		N. tembhekar, P. D. Shobhane 7.1	×	8/28/2020	
			1.10thou or a-F	BEETE301TW03 D290820L17				,				8/29/2020	
				BEETE301TW04 D310820L18	AM_PDE_ ppt_08	AM_PDE_ V_15						8/31/2020	
			Applications of Laplace Transform to solve Partial Differential Equations (One dimensional only)	BEETE301TW04 D010920L19								9/1/2020	
1			separations of variables,	BEETE301TW04 D020920L20	AM_PDE_ ppt_09	AM_PDE_ V_16						9/2/2020	Assi_02- 09-20
ug-	6		Tutorial-2	BEETE301TW04 D030920L21				±				9/3/2020	Tutorial- 2
20			FOURIER SERIES & FOURIER TRANSFORM: Periodic functions and their Fourier Expansions ,	BEETE301TW04 D040920L22			¥0					9/4/2020	
			FOURIER SERIES & FOURIER TRANSFORM: Periodic functions and their Fourier Expansions ,	BEETE301TW04 D050920L23	AM_FS_pp t_10	AM_FS_ V_17 AM_FS_ V_18						9/5/2020	
t			Even and Odd functions, Change of interval	BEETE301TW05 D070920L24			1	a ¹		Engineering Mat hematics:		9/7/2020	
		п	Even and Odd functions, Change of interval	BEETE301TW05 D080920L25						Chandrashekhr N. tembhekar,		9/8/2020	
		11	Half Range Expansions	BEETE301TW05 D090920L26						P. D. Shobhane 3.1- 3.25, 5.1		9/9/2020	
12 20	6		Fourier Transform: Definition and Properties (excluding FFT)	BEETE301TW05 D100920L27	AM_FT_ppt_11	AM_FT_ V_19 AM_FT_ V 20				5.14		9/10/2020	



												L eader to the last of the la	
-					BEETE301TV 5			b		9	/11/2020	.	7
-				The state of the s	BEETE301TW05 D120920L29					9	/12/2020		
88				1	BEETE301TW06 D140920L30					9	/14/2020	utorial- 3	
5	14 Sep- 19Sep2 0	4	IV	Harmonic Functions (excluding orthogonal system),	BEETE301TW06 D170920L31	7			Engineering Math ematics: Chandrashekhr N. tembhekar, P.	ç)/17/2020		
				Taylor's & Laurent's series (Statement only)	D1809201 32	AM_CI_ ppt 12	AM_CI_ V 21		D. Shobhane 1.1 1.61		9/18/2020		
				Taylor's & Laurent's series (Statement only)	BEETE301TW06 D190920L33						9/19/2020		
					5	SESSION.	AL- I (21 S	Sep - 25 Sept)					
				Zeros and Singularities of Analytic function,	BEETE301TW07 D280920L34						9/28/2020		
7	28 Sep -			(Evaluation of real definite integral around unit circle	D290920L35				Engineering Math ematics:		9/29/2020		
	3 Oct 20	5	IV	Evaluation of real definite integral around semi-	BEETE301TW07 D300920L36	AM_CI_ ppt_13	AM_CI_ V_23		Chandrashekhr N. tembhekar,		9/30/2020		
				Residue Theorem (Statement only),	BEETE301TW07 D011020L37				P. D. Shobhane 1.1 - 1.61	-	10/1/2020	Assi_01_ 10_20	
				Tutorial-4	BEETE301TW07 D031020L38						10/3/2020	Tutorial- 4	
)				Laplace Transform: Introduction, Defination, T of some elementary function	L-BEETE301TW08 D051020L39						10/5/2020		
	05.0-4			Change of scale property	BEETE301TW08 D061020L40						10/6/2020		



7	et20	0				M_LT_	AM_LT_ V_24	6		10/7/2020		
					EETE301TW08 081020L42		117			10/8/2020		\dashv
					EETE301TW08					10/9/2020	_	\dashv
\uparrow	\dashv	$\overline{}$,	L-T of integrals	BEETE301TW08 D101020L44					10/10/2020		\dashv
٦				IIJIVISION by 4	BEETE301TW09				Engineering	10/12/2020		\exists
12	Oct-		I	multiplication by t,	BEETE301TW09 D131020L46	AM_LT_ ppt_15	AM_LT_ V_26		Math ematics : Chandrashekhr	10/13/2020		\exists
	17 ct20	6		Completion	BEETE301TW09 D141020L47				N. tembhekar, P. D. Shobhane	10/14/2020		
				those co	BEETE301TW09 D151020L48				4.1 - 4.61	10/15/2020		\neg
\dashv				properties	BEETE301TW09 D161020L49] [10/16/2020		
+	\dashv			L.T.Inverse Using properties and standard	BEETE301TW09 D171020L50				1	10/17/2020		
				Uit Step Function, L-T of Periodic Functions (statement only)	BEETE301TW10 D191020L51	AM_LT_ppt_16	AM_LT_ V_28		1 1	10/19/2020		
				Application of L.T to solve differential equation	BEETE301TW10 D201020L52					10/20/2020		
:	Oct- 24 ct20	6		Simultaneous Differential EquationsIntegro- Differential Equations	BEETE301TW10 D211020L53					10/21/2020	Assi_21_ 10_20	
				Tutorial- 5	BEETE301TW10)				10/22/2020	Tutorial-	
				CALCULUS OF VARIATIONS: Maxima and minima of functionals	BEETE301TW1	0				10/23/2020	,	
				Euler's equation(statemen only),	BEETE301TW1 D241020L56	0			Engineering	10/24/2020		



26 Oct- 31 Oct20	5	III	Isoperimetric Problems Isoperimetric Problems Tutorial -6	BEETE301TW11 D261020L57 BEETE301TW11 D281020L59 BEETE301TW11	AM_CV_p AM	I_CV_V_29	Math ematics: Chandrashekhr N. tembhekar, P. D. Shobhane 10.1 - 10.20	10/26/2020 10/27/2020 10/28/2020	
			RIVISON	D291020L60 BEETE301TW11		-		 10/29/2020	
			THE TOOK	D211020L(1		Sessional II		10/30/2020	





Mahars Karve Stree Shikshan Sam ha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Cummins

CCOEW/AS / 20-21

Date: 31/ 7 / 2020

LESSON & TEACHING PLAN for Network Analysis

				Departmen	nt of Electronics 8	ዪ Tele Co	ommuni	cation Enginee	ring				
aculty	Name: Pro	of.S.Bhat	ttachary	γa				Sub: Network A	Analysis		Year: 2	:020-21	Sem:- III
WEEK No.	They sale	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
		1		Idea of Resonance, Properties of Resonance Idea of Q factor, Selectivity, Band	TE3NAW01D100 820L01 TE3NAW01D110 820L02					-	11/08		
1	10th Aug -	1 3 1		Width, Phasor diagram showing all the voltages & Currents	TE3NAW01D120 820L03						12/08	1	
	14th Aug	4		Properties of Resonance in RLC Parallel Circuit, Comparision of Series & Parallel Circuit	020104						13708		-
		5	3	Numerical	TE3NAW01D14 820L05 TE3NAW02D17					_	110/2		+
		6		Numerical	820L06 TE3NAW02D1		+		_	+	170		-
	17th Aug	7	-	Numerical	820L07 TE3NAW02D1	.90	+				1,+	80	
2	21st Aug	8	+	Numerical	820L08 TE3NAW02D2 820L09	200	$\overline{}$				2	80	
		9	-	Numerical Numerical	TE3NAW02D 820L10						21	208	
		11		Basic idea of Filter, Types of Filter, Necessity of Filter, LPF,HPF,BPF,BSF,Cut of Frequency, 4 Pass band, Stop Band	TE3NAW030 , 820L11						2	1908	

Faculty in Charge

HOD



VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity Virtual rab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
		12		Constant K Filter, Constant K LPF, Constant K HPF, Constant K BPF, Constant K BSF	TE3NAW03D250 820L12		0.00		nojednion, no		25/08	And Andrews	
3	24th Aug-	13		Numerical on LPF	TE3NAW03D260 820L13						27/08		
3	29th Aug	14		Numerical on HPF	TE3NAW03D270 820L14						28/08		
		15	5	Numerical on BPF, Design Procedure of Constant K Low pass Filter	TE3NAW03D280 820L15						28/08		
		16		Design Procedure of Constant K High Pass Filter, Design Procedure of Constant K BPF in terms of Nominal Char imp & Cut off frequencies	TE3NAW03D290 820L16						29/08	185°pn	
		17		M derived Filters	TE3NAW04D310 820L17						31/08	1	
		18	1	Difference between m derived Filters & Prototype Filters, Composite Filters	TE3NAW04D010 920L18)					31(08		
4	31st Aug-	19	8	Bascic Idea of Attenuator,	TE3NAW04D02	0					04/09		
	05th Sept	20		Types of Symmetrical Attenuators	TE3NAW04D03 920L20	0					02/00	3.7	
		21	JE .	Asymmetrical Attenuators, Types, Ladder type Attenuator, Lattice Attenuator	TE3NAW04D04 920L21	.0					07/0	9	
		22		Numerical On Attenuator	TE3NAW04D05 920L22	50					041)9	Part Ref
		23		Numerical On Attenuator	TE3NAW05D0	70					85		
	l ha alle	24	- 2	Numerical On Attenuator	TE3NAW05D0 920L24	80			×= 11 ,-1		Ba	99	
5	07th Sept-			Numerical On Attenuator	TE3NAW05D0 920L25	90					1	99	
	12th Sept	26		2 Superposition Theorem, Numerical	TE3NAW05D1 920L26	.00						09	

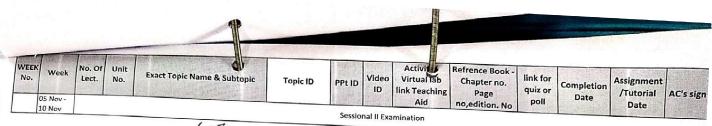


VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
		27		Numerical on SPT	TE3NAW05D110 920L27						16/09		
					720L27 TE3NAW05D120						14107		
		28		Numerical on SPT	920L28			l.			14/09		
		29		Thevenins Theorem, Numerical	TE3NAW06D140					-	18/09		
		- 23		mevenins meorem, Numerical	920L29						1		
		30		Numerical on Thevenins Theorem	TE3NAW06D150 920L30						1809	Asin-2	
				The state of the s	TE3NAW06D160		1	-			10/01	1 POYU-Z	
6	14th Sept-	31		Nortons Theorem, Numerical	920L31						28/09	0	
	19th Sept				TE3NAW06D170						1		
		32		Numerical On Nortons Theorem	920L32						29/09		
		33		Numerical	TE3NAW06D180						29/09		
	-	33		Numerical	920L33 TE3NAW06D190	-	-			-	1(0)	-	-
		34		Reciprocity Theorem, Numerical	920L34						3009		
7	21st Sept- 26th Sept				TE3NAW08D280	2000000	onal IE	xamination	7				
	_ =	35		Source Transformation, Numerical	920L35						101/10		
		36		Numerical on Source Transformation	TE3NAW08D290	0		-			03/10		
8	28th Sept- 03rd Oct	100000000		Numerical on Source Transformation	TE3NAW08D30	0			1		000		
	osia oct	- 37		Mesh Analysis	TE3NAW08D01	1	+	-					27
		38		IVIESTI Allalysis	020L38						186/10	,	
		39		Numerical On Mesh Analysis	TE3NAW08D03 020L39	1					07/11	0	
		40		Numerical On Mesh Analysis	TE3NAW09D05	51					1/30	0	
		41		Numerical On Mesh Analysis	TE3NAW09D00	51					1011		
		42		Numerical On Mesh Analysis	TE3NAW09D0	71	\top				1	10	
	O5th Oct		1		020L42	-	+					-	
9	05th Oct - 10th Oct	43		Numerical On Mesh Analysis	TE3NAW09D0 020L43	81					13	(0)	



WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sig
		45		Numerical On Mesh Analysis	TE3NAW09D101 020L45						1510		
		46		Nodal Analysis, Numical	TE3NAW10D121 020L46						16/10	16.7	
		47		Numerical On Nodal Analysis	TE3NAW10D131 020L47						17/10		
10	12th Oct-	48		Numerical On Nodal Analysis	TE3NAW10D141 020L48						19/10		
10	17th Oct	49		Numerical On Nodal Analysis	TE3NAW10D151 020L49						20/10		
		50		Duality	TE3NAW10D161 020L50			2 2			26/10		
		51	S. Carrier	Duality	TE3NAW10D171 020L51		-			-	31/10	-	1
				Idea of Two Port Network, Z,Y	TE3NAW11D191		1 1 2				12110	-	_
		52		Network	020L52	1				1	02/11	Asign	2
		53		ABCD, h Network	TE3NAW11D201 020L53	L	1				03/11	PSHI	1
11	19th Oct-	54		Reciprocity and Symmetry Condition	TE3NAW11D211	1			- 12		04/11		+
	24th Oct	55		Reciprocity and Symmetry Condition	TE3NAW11D22	1	20.0	0 75 3			1001		1
		56		Pole Zero Network Function	TE3NAW11D23 020L56	1					DEL	(1)	
		57		Numerical	TE3NAW11D24	1					1	.	
		58	-	Introduction to Laplace Transform, Basic Properties, Laplace Transform Techniques	TE3NAW12D26	51					90/1	1)	
		59		Laplace Transform of R,L,C Components	TE3NAW12D2	71					107	1.	
12		60		Synthesis of Typical Waveform and their Laplace Transform	TE3NAW12D2 020L60	81					02	1)	+
		61	. 9.1	Transient response of Simple electrical Circuit such as Rc & RL	TE3NAW12D2 020L61	91					08	11	
301	26th Oct- 31st Oct Ity in C	62	0/	Numerical	TE3NAW12D3	301					10		





S.Bhattacharya (Faculty In Charge)

Faculty in Charge

HOD

Hingna,
Hogper-441118



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Date: 1/ 8 / 2020

					, c	epartment of Electronics and	Telecomm	unication					
culty	Name: Prof.	Vidya Ra	out			Sub: Object Oriented F	rogrammin	g and Data Structure (BEET	E304T)	Sec: A	Year: 2	020-21	Sem:- III
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
1	10Aug - 14Aug	5		Introduction to Object Oriented Programming: Benefits of OOPs, Application OOP Structure of C++ program, Basic Data type-Derived Data type- User defined data type- Operators in C++,	ETE3OOP&DSW02D120 820L01		OOP&DS_B	http://viabs.litb.ac.in/viabs- dev/labs/oops/labs/exp1/s mulation.php http://cse02- liith.viabs.ac.in/exp2/index	E.Balagurusamy	https://forms.gle/MGndv 7g383LaVZAp9	11 Aug 11 Aug 12 Aug 12 Aug 12 Aug		
			1	Class Members, Access Control, Class Scope, Control Statements	ETE3OOP&DSW02D140 820L05	OOP&DS_CM_ppt_02		<u>html</u>	Programming with C++", By Tata McGraw Hill Publication	https://forms.gle/3ZUC/ 3XkFWgVcSq7	144		
2	17Aug-21 Aug20	5		Parameter passing method, Constructor and Destructor, friend function,inline function,static class members, this pointer,	ETE3OOP&DSW03D190 820L08	OOP&DS_CD_ppt_03		http://vlabs.litb.ac.in/vla dev/labs/oops/labs/exp2 mulation.php		0- https://forms.ale/offi	17 A 18 A	20	91
				Dynamic memory allocation and de allocation (new and delete),exception handling,	ETE3OOP&DSW03D210 820L10	OOP&DS_DM_ppt_04		- Indicatoring in	-	https://forms.gle/2Gi		9	
				Features of Object Oriented Programming : Function Overloading,	ETE3OOP&DSW04D250 820L13	y y			E.Balagurusa	umv.	24 A	ing	
3	24 Aug-29 Aug20	5		Generic Programming: Function and class templates	ETE3OOP&DSW04D260 820L14			http://vlabs.iitb.ac.in/v dev/labs/oops/labs/ex mulation.php	"Object Orie Programming	ented g with	-	Aus	
			11	Defining operator overloading overloading unary operator	ETE3OOP&DSW04D290 820L16	OOP&DS_POLY_ppt_05			C++", By McGraw Publication	Hill	29	tay	
4	1Sep- 5Sep20	4		Overloading binary operator rules for operator overloading. Tutorial	ETE3OOP&DSW01D050 920L20			http://vlabs.litb.ac.in dev/labs/oops/labs/ mulation.php	No 82-83 /vlabs- exp4/si	,323-	1	Sep	
				Inheritance :Inheritance basics base and derived classes	ETE3OOP&DSW02D080 920L22	9	-	http://vlabs.iitb.ac	n/vlabs-		H	EP!	A889
5	7Sep-11 Sept 20	5		Inheritance types:-single inheritance, multilevel inheritance	ETE3OOP&DSW02D09 920L23	0		dev/labs/oops/labs mulation.ph	Object -C	Oriented mming	9	sep	Zac
	ia : -:		Ш	Mmultiple inheritance, hierarchal inheritance hybrid inheritance, virtual base class	ETE3OOP&DSW02D11 920L25	OOP&DS_INHERI_ppt	_06		Rohit I	C++ By Khurana 182,192-	_	D SCP	791
racu	lty in Cl	harge	3	Run time polymorphism using				https://HOD.	195,18- 203.205	1-193,197- 5.246.251.2			



NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page	link for quiz or poll	Completion	Assignment/Tu	AC's sign
6	14Sep- 19Sep20	5		virtual function pure virtual function, Tutorial	ETE3OOP&DSW03D180 920L30			/AdilAslam4/inheritance-in-	no,edition. No	14 Sep.	Date	torial Date	50 CH 19 (5)
				Sessional I practice				c-69290880	1	19 Sep	-	-	
,	21 Sep-25 Sep												
8	28 Sep-3 Oct 20	5		Introduction to Data structure Arrays- Introduction-Linear arrays Representation of linear arrays in memory Tutorial	ETE3OOP&DSW04D300 920L34	OOP&DS_DS_ppt_13	Sessional		Fundamental of Data Structure i				1
			īv	Sorting : Selection sort Insertion Sort, Bubble Sort	ETE3OOP&DSW04D031 020L36	OOP&DS_SBS_ppt_14			C++ by Horowitz,Sahan GALGOTIA Pg No 24-	i. 9-5-0	-		
9	5 Oct -9	5		Quick Sort, Merge Sort, radix sort, linear Search, Binary Search, Tutorial	ETE3OOP&DSW02D071 020L39	OOP&DS_QMRS_ppt_15			31,329,352,365,	33 5 oct	-,		
	Oct 20			Introduction of Stack and Queue Dynamic memory allocation	ETE3OOP&DSW02D091 020L41	OOP&DS_SQ_ppt_16			Data Structu	re	0		
10	12 Oct -16 Oct 20	3	v	"Linked list: Introduction- Representation of singly Linked List in memory" Traversing a linked list Searching a linked list	ETE3OOP&DSW03D141 020L44	OOP&DS_LL_ppt_17			using c & C+ by Langsam,Ten aum, PHI Pg. 77-83 174 181,internate	enb 12/10/2 No 13/10/	20		
	Gerze			Insertion and deletion in linked list Implementation of stack and queue using linked representation	ETE3OOP&DSW03D161 020L46	OOP&DS_IDL_ppt_18			notes,187,2 from kamthane,22 7-191,191-	20 14/10/	20 20		
11	19 Oct -23 Oct 20	5		Trees: Basic terminology Binary Binary tree representation, algebraic Expressions, Complete Binary Tr	1020L49	OOP&DS_BT_ppt_19				19/10	20		
			_ vi	Array and Linked Representation of Binary trees Traversing Binar trees	ETE3OOP&DSW04D23 020L51	OOP&DS_ALT_ppt_2t	0		An Introduce Data Structure with application by Trent Sorenson	ction to cture ication nblay	0/20		
12	26 Oct-31 Oct 20	4		Binary search Tree Implementation Operations: Searching, Insertion and deletion in binary search tre	ETE3OOP&DSW05D28	OOP&DS_BST_ppt_2	21		with C++ McGra Publicat No 249-	w Hill ions. Pg. 26/1005	0/20	Assig 0	120
-				Treaded Binary trees, Traversing Threaded Binary trees.	ETE3OOP&DSW05D3 020L55	OOP&DS_TBT_ppt	_22			2011	0/20	-114	120
1CU	lty in Ch	narge	1951					HOD		131/	920		



WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic 1D	PPCID	Video ID	Activity/ Virtual lab link Teaching Aid	lefrence Book - Chapter no. Page no,edition. No	link for qu	ulz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
13	2 Nov - 4 Nov20	3		Revision					-	2/11 3/11 4/11	120 120 120			
	5 Nov - 10 Nov20			v			Sessiona	<u> </u>	72			1		<u> </u>

60b, Teacher

Ac

Faculty in Charge

HOD





CCOEW/ETC / 20-21

Maharshi Ka(le Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



Date: 4/ 8 / 2020

LESSON & TEACHING PLAN for Communication Electronics

Dep	artment of ETC
-----	----------------

Faculty	Name: Pr	of. Pallavi	Ganorl	car	E			Sub: Co	ommunication Electro	nics	Year:	2020-21	Sem:
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	AND DESCRIPTION OF THE PARTY OF	link for quiz or poll	Complet ion Date	Assignment /Tutorial Date	AC's
				IBase band & Carrier communication	ETC5CEW01D100 820L01							3-37	
				Introduction of amplitude modulation, Equation of AM, Generation of AM (DSBFC) and its spectrum,	ETC5CEW01D110 820L02				Kennedy & Devis : Electronic Communication				
1	10Aug - 14Aug	5	I	Modulation Index , Power relations applied to sinusoidal signals,	ETC5CEW01D120 820L03			8	Systems , Tata McGraw Hills				
				DSBSC – multiplier modulator, Non linear generation,	ETC5CEW01D130 820L04				Publication(Fourth Edition)				
				switching modulator, Ring modulator & its spectrum,	ETC5CEW01D140 820L05								
				SSBSC, ISB & VSB,	ETC5CEW02D170 820L06								
			I	SSBSC, ISB & VSB, their generation methods & Comparison,	ETC5CEW02D180 820L07				Kennedy & Devi	s:			
2	17Aug- 21	5 (w Cha	AM Broadcast technical standards.	ETC5CEW02D190 820L08			2	Communication Systems , Tata	222		19-08-2	2020

Faculty in Charge

HOD



	Aug20			п	,	ETC5CEW02D200 820L09			•	McGraw Hills Publication(Fourth Edition)	
					wide baild FM,	ETC5CEW02D210 820L10					
						ETC5CEW03D240 820L11					
						ETC5CEW03D250 820L12				Kennedy & Devis :	
	24 Aug-		6	**	Bessel's Function and its mathematical analysis,	ETC5CEW03D260 820L13				Electronic Communication	
	29Aug20			п	Method),	ETC5CEW03D270 820L14				Systems , Tata McGraw Hills	
					Generation of FM (Direct & Indirect Method), Comparison of FM and PM.	ETC5CEW03D280 820L15		0.		Publication(Fourth Edition)	
					Tutorial	ETC5CEW03D290 820L16					29-08-2020
					Band limited & time limited signals,	ETC5CEW04D310 820L17					
	21 4 5				Narrowband signals and systems,	ETC5CEW04D020 920L18	12			Kennedy & Devis : — Electronic	
4	31 Aug-5 Sep20		5	Ш	Sampling theorem in time domain, Nyquist criteria,	ETC5CEW04D030 920L19		, I		Communication Systems, Tata	
					Types of sampling- ideal, natural, flat top, Aliasing & Aperture effect.	ETC5CEW04D040 920L20		9.159		McGraw Hills Publication(Fourth	
					Pulse Analog modulation: PAM PWM	ETC5CEW04D050 920L21				Edition)	
					PPM. PCM – Generation & reconstruction, Bandwidth requirement of PCM	ETC5CEW05D070 920L22				Kennedy & Devis : Electronic	
				Ш	PCM - Generation & reconstruction, Bandwidth requirement of PCM.Differential PCM,	ETC5CEW05D080 920L23				Communication Systems , Tata McGraw Hills	
5	7 Sep-12 Fea€u	lty	in (Cha	Delta Modulation & Adaptive DM. (Apply Block diagram treatment)	ETC5CEW05D090 920L24			HOD	Publication(Fourth Edition)	09-09-2020



				Sources of Noise, Types of Noise, White Noise, Thermal	ETC5CEW05D100 920L25	Kennedy & Devis :	
			IV	noise, shot noise, partition noise,	ETC5CEW05D110 920L26	Communication Systems , Tata McGraw Hills	
				Low frequency or flicker noise, burst noise, avalanche noise, Signal to Noise	ETC5CEW05D120 920L27	Publication(Fourth Edition)	
				SNR of tandem Connection, Noise Figure,	ETC5CEW06D140 920L28	Kennedy & Devis :	
6	14Sept- 19Sept	4	IV	Noise Temperature, Friss formula for Noise Figure,	ETC5CEW06D170 920L29	Electronic Communication	
	20			Noise Bandwidth.	ETC5CEW06D180 920L30	Systems , Tata McGraw Hills Publication(Fourth	
	21-25			Tutorial	ETC5CEW06D190 920L31	Edition)	19-09-2020
7	Sept 20		,		Sessional I		
				Communication Receiver, Block Diagram & special Features	ETC5CEW08D280 920L32		
				Block diagram of AM and FM Receivers,	ETC5CEW08D290 920L33	B. P. Lathi: Modern	
8	28 Sep-3 Oct20	5	v	Block diagram of AM and FM Receivers,	ETC5CEW08D300 920L34	Digital and Analog. Communication Systems: Oxford	
				Super heterodyne Receiver,	ETC5CEW08D011 020L35	Press Publication	
				Performance characteristics: Sensitivity, Selectivity, Fidelity, Image Frequency Rejection,	ETC5CEW08D031 020L36	(Third Edition)	
				Pre-emphasis,	ETC5CEW09D050 920L37		
				De-emphasis	ETC5CEW09D060 920L38		
	5 Oct-10			AM Detection: Rectifier detection,	ETC5CEW09D070 920L39	B. P. Lathi: Modern Digital and Analog.	
9	Oct20	6	V	Envelope detection,	ETC5CEW09D080 920L40	Communication Systems: Oxford	

Faculty in Charge

HOD



16					Sessional II			
2	26-31 Oct20	6		Revision				
	26.24				ETC5CEW11D241 020L53			24-10-2020
					ETC5CEW11D231 020L52	F	Publication(Fourth Edition)	
	00020				ETC5CEW11D221 020L51		Systems , Tata McGraw Hills	
1	19-24 Oct20	6	VI	Microwave Links,	ETC5CEW11D211 020L50		Electronic Communication	
				Short and Medium Haul Systems: Coaxial Cables, Fiber optic links,	ETC5CEW11D201 020L49	I	Kennedy & Devis :	
					ETC5CEW11D191 020L48			
			-	Code Division Multiplexing.	ETC5CEW10D161 020L47			
			VI	Multiplexing, Time Division Multiplexing,	ETC5CEW10D151 020L46		Press Publication (Third Edition)	1 12
,	Oct20	5		Tutorial Multiplexing: Frequency Division	ETC5CEW10D141 020L45		Communication Systems: Oxford	14-10-2020
)	12-17	_	V	FM detection using PLL	ETC5CEW10D131 020L44		B. P. Lathi: Modern Digital and Analog.	
				FM Detection: Foster Seelay FM Detector	ETC5CEW10D121 020L43			
	1, 21			Demodulation of SSBSC.	ETC5CEW09D100 920L42			
				Demodulation of DSBSC: Synchronous detection,	ETC5CEW09D090 920L41	•	(Third Edition)	

Sub. Teacher

Ac

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingan, Nappur-441118.



Maharshi Karve Stree Shikshan Samsti a's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accomen with a difference



CCOEW/AS / 20-21

Date: 3/ 8 / 2020

					Department	of Electro	nics and Tele	communicat	ion				
Faculty	Name: P	rof. Ja	ya Gad	lge				Sub: Analog	Circuit Design		Year: 20	20-21	Sem:-V
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition.	link for quiz or poll	Completion Date	Assignmen t/Tutorial Date	AC's sign
				Introduction , Block diagram of opamp		FM_CS_ ppt_01	EP_CS_V_ 01				10/8/2020		7
				Basic differential amplifier using transistor DIBODA	ETC5ACDW01 D110820L02	FM_CS_ ppt_01					11/8/2020		
1	10Aug - 14Aug	5	1	using transistor DIBODA	ETC5ACDW01 D120820L03))	12/8/2020		17
				Basic differential amplifier	ETC5ACDW01 D130820L04						13/8/2020		
				using transistor DIUBODA	ETC5ACDW01 D140820L05	FM_CS_p pt_02			Operational Amplifier		14/8/2020		
				Basic differential amplifier using transistor SIBODA	ETC5ACDW02 D170820L06	FM_MI_ ppt_02	EP_MI_V_0 2		and Application s: R.	1	17/8/202	0	Bar
2	17Aug- 21	5	I	0	ETC5ACDW02 D180820L07				Gayakwad Page No 1		18/8/20		
	Aug20		•	Basic differential amplifier	ETC5ACDW02 D190820L08				61		19/8/2	0	
				using transistor SIUBODA	ETC5ACDW02 D200820L09	pptO3	_ EP_hkl_V 02			- F	20/8/2	.0	1/
	- 1=		1	Tutorial s	ETC5ACDW02 D210820L10	FM_hk pptO4	I_ EP_hkl_\ 03	/_			21/8/	20 Tutoria	ıl
acu	lty in	Cha	rge	Constant current bias	ETC5ACDW03 D240820L11						24/8/	20	



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Page no,edition.		AC's sign
					ETC5ACDW03 D250820L12					25/8/20	
	24 Aug-	6	1	Lovel Translator	ETC5ACDW03 D260820L13				Operational Amplifier and Application	26/8/20	
3	29Aug2 0			equivalent circuit ideal	ETC5ACDW03 D270820L14				s: R. Gayakwad Page No 62- 89	27/8/20	
				Opamp Parameters	ETC5ACDW03 D280820L15				Operational	28/8/20	
				Open loop Configration of opamp	ETC5ACDW03 D290820L16				Amplifier and	29/8/20	
				Closed loop and feedback amplifier	ETC5ACDW04 D310820L17				Application s: R.	31/8/20	
			I	NINV Amplifier and Volt follower	ETC5ACDW04 D020920L18				Gayakwad Page No 90-	2/9/2020	
4	31 Aug- 5 Sep20			INV Amplifier Virtual ground concept	ETC5ACDW04 D030920L19				122	3/9/2020	
				Voltage follower	ETC5ACDW04 D040920L20				Operational	4/9/2020	
			II	Summing amplifier, scaling and averaging amplifier	ETC5ACDW04 D050920L21				Amplifier and	5/9/2020	
				Integrator and differentiators (Practical considerations and design)	ETC5ACDW05 D070920L22				Application s: R. Gayakwad	7/9/2020	
				Instrumentation amplifier	ETC5ACDW05 D080920L23				Page No 90-	8/9/2020	
5	7 Sep- 12Sep20	6	11&11	Peak detector	ETC5ACDW05 D090920L24				Operational	9/9/2020	
	12000			Log and antilog amplifiers using OP-Amp	ETC5ACDW05 D100920L25				Amplifier	10/9/2020	

Faculty in Charge



Dr. Milind Khanapurkar Principal Maharahi Kare Stres Shikahan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

NO.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page	link for quiz or poll	Completion Date	Assignmen t/Tutorial	AC's sign
		- 1		Transistor and analog H multipliers	ETC5ACDW05			Ald	no,edition.			Date	
				Comparators, Schmitt trigger	D110920L26 ETC5ACDW05				and Application		11/9/2020		
					D1209201.27				s: R.		10.00	-	100
	- 1			Clipper and Clamper	ETC5ACDW06				Gavakwad Operational		12/9/2020		1)
14	4Sept-		1		D140920L28				Amplifier		14/9/2020		1
	9Sept	4	m		ETC5ACDW06				and		1 11 71 2020		1/
	20	*	111		D170920L29			V.	Application		17/9/202	0	
					ETC5ACDW06				s: R.			9	
				Bistable, Monostable, Astable	D180920L30				Gayakwad		18/9/202	0	7
					ETC5ACDW06				Page No236				
	1-25			THE PARTY AND ADDRESS OF THE PARTY OF THE PA	D190920L31				286	1	19/9/202	.0	
Se	ept 20			The signal of th		200	Sonsi	onal-I	200	THE PROPERTY OF	A STATE OF STREET	Single Control of the	
						Microsoftis	Sessi	onai-i		INCOME COLL			
				Sample/Hold circuits, D/A (R/R)	ETC5ACDW08 D280920L32				Operationa		28/9/20	20	
28	8 Sept-	_		A/D conversion circuits	ETC5ACDW08 D290920L33				Amplifier		29/9/20	020	
	Oct20	5	Ш	design of ADC using 0804 ICs.	ETC5ACDW08 D300920L34				Applications: R.	on	30/9/2		
				Unregulated D.C. power supply rectifiers	ETC5ACDW08 D011020L35				Gayakwa Page No		1/10/2	2020	
				Unregulated D.C. power supply filters	ETC5ACDW08 D031020L36				207		3/10/	2020	
	- 1			Design of series voltage regulators	ETC5ACDW09 D050920L37	9	12/10/20	20			5/10	/2020	
				Design of regulators using IC 78×× and 79××	D060920L38	9	13/10		Monogr		6/1	0/2020	
1	05- 0Oct	6	IV	protection circuits for regulators,	ETC5ACDW0 D070920L39	19	14/10		on Elect	iit	יוד	0/2020	1
2	20			Design of SMPS (Buck & Boost)	ETC5ACDW0 D080920L40	19	15/10,1	6/10	Design:		8/	10/2020	
	in C	hal	~~	Tutorial Tutorial on above topics	ETC5ACDW0 D090920L41)9	17,19				9	/10/2020	Tutorial

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic		PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	R Jence Book - Chapter no. Page no,edition.	link for quiz or poll	Completion Date	Assignmen t/Tutorial Date	AC's sign
				OPAMP based Wein Bridge osc	ETC5ACDW09 D100920L42		21/10,22/10		Operational		10/10/2020		
				Phase Shift oscillators	ETC5ACDW10 D121020L43		23/10		Amplifier and		12/10/2020		,
	12-			Transistorized Hartley	ETC5ACDW10 D131020L44		23/10		Application s: R.		13/10/2020		/
10	17Oct 20	5	v	Colpitts oscillator	ETC5ACDW10 D141020L45		26/10		Gayakwad page No 289-		14/10/2020		
				Tutorial Tutorial on above topics	ETC5ACDW10 D151020L46		29/10		340		15/10/2020	Tutorial	
				Crystal oscillators,	ETC5ACDW10 D161020L47		29/10				16/10/2020		
				Types of oscillator based on signal generator	ETC5ACDW11 D191020L48		24/10		Monograph on		19/10/2020		
					ETC5ACDW11 D201020L49		24/10		Electronic circuit Design:		20/10/2020		
11	19- 24Oct	6	v &v:	Design of function generator Advantages of active	ETC5ACDW11 D211020L50		26/10		Goyal & Khetan.		21/10/2020		
	20			filters, Design of Butterworth	ETC5ACDW11 D221020L51		27/10				22/10/2020		1 San
	right!		- 1	8- sa ractive inter of El P,1.	ETC5ACDW11 D231020L52		28/10		Onesetianal		23/10/2020		+1,
-		_	-	g- of receive inter of bill	ETC5ACDW11 D241020L53		29/10		Operational Amplifier and Applications:		24/10/2020		
				Design of 2 and upto 6 th	ETC5ACDW12 D261020L54		31/10		R. Gayakwad page No 289-		26/10/2020		-
			-		ETC5ACDW12 D271020L55		2/11/2020		340		27/10/2020		-
2	26- 31Oct 20	6	VI	, and chedit,	D281020L56		3/11/2020		-		28/10/2020		/
	20			circuit I	ETC5ACDW12 D291020L57		4/11/2020		-			—/	
cult	y in C	harg	e		ETC5ACDW12 0301020L58		5/11/2020		Notes		30/10/2020		



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Curmins College of Engineering for Women Hingna, Nagpur-441118.

WEEK No.	Week	No. Of Lect.	No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Lefrence Book - Chapter no. Page no,edition.	link for quiz or poll	Completion Date	Assignmen t/Tutorial Date	AC's sign
				The state of the s	ETC5ACDW12 D311020L59		5/11/2020				31/10/2020		Roule

Subject Teacher

Raul Academic Coo

Faculty in Charge

College of Engineers

Hingma, Hogper-4411118

Dr. Millind Khanapurkar Principal Maharshi Karve Stres Shikshan Sanetha's Curmins College of Engineering for Women Hingna, Nagpur-41110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ETC 20-21

Date: 30/07/2020

LESSON & TEACHING PLAN for Industrial Economics and Entrepreneurship Development

Faculty	Name: Prof.	. Priyadan	shini Ra	mteke					al Economics and preneurship	Sec:	Year: 2021	0-21	Sems- V
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	I completion !	Assignme nt/Tutori al Date	
1	1Aug - 7Aug	0					Ski	ill Developm	ient				
				Industrial Economics:	ETC5IEEDW02 D100820L01						12/8/2020		
				Types of Business structures: Sole Proprietorship							13/08/2020		
2	10 Aug-15 Aug-20	5		Partnership	ETC5IEEDW02 D120820L03						14/08/2020		
				Corporation	ETC5IEEDW02 D130820L04						17/08/2020	1	
			1	Company	ETC5IEEDW02 D140820L05						18/08/2020	0	
-				Difference between Public and Private Company	ETC5IEEDW03 D170820L06						19/08/202	0	
-				Top and Bottom Line of the organization	ETC5IEEDW03 D180820L07						20/08/202	o	
3	17Aug- 22Aug20	5		Economic Analysis	ETC5IEEDW03 D190820L08						21/08/202	20	
				Economic Prudence & Economies of Operation	ETC5IEEDW03 D200820L09						25/08/202	20	Company of the Compan



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-44110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignme nt/Tutori al Date	AC's sign
				Revision and university	ETC5IEEDW03						25/08/2020		
				questions	D210820L10							+	1
				Costing	ETC5IEEDW04						24/08/2020		
		l			D240820L11		_				 	+	1
0.00				Market Structures	ETC5IEEDW04		1 1				27/08/2020		
					D250820L12						 	_	-
4	24Aug-29	5		Perfect Competition	ETC5IEEDW04		1 1				28/08/2020		
	Aug 20				D260820L13							+	
				Monopolistic Competition &	ETC5IEEDW04						29/08/2020		
				Monopoly	D270820L14							-	-
				Oligopoly	ETC5IEEDW04				- 1		31/08/2020		
			п		D280820L15							-	
				Pricing Strategies	ETC5IEEDW05	- 1					2/9/2020		
					D310820L16 ETC5IEEDW05								
				Business integration		- 1	- 1		- 1	1	3/9/2020		
1				Economies and	D010920L17 ETC5IEEDW05				-				
5	31 Aug-5 Sept 20	5			D020920L18			1	- 1	1	4/9/2020		
	Sept 20			Diseconomies of Scale &	ETC5IEEDW05		-					-	
				LPG Policy	D030920L19		1	1		- 1	5/9/2020		
1	1				ETC5IEEDW05	_							-
		- 1		Business Cycles	D040920L20	- 1		- 1		- 1	7/9/2020	1	
					ETC5IEEDW06								
	1	- 1		Functions of Central Bank	D070920L21	1	1			- 1	8/9/2020		
- 1	- 1	- 1		Functions of Commercial	ETC5IEEDW06								
- 1				Banks	D080920L22		1	- 1	1	1	9/9/2020		
6	7 Sept-	5		Foreign Direct Investment	ETC5IEEDW06						10/0/2020		
- 1	12Sept 20			roreign Direct Investment	ETC5IEEDW06						12/9/2020		
- 1	1			Free Trade Vs. Protection							11/9/2020		
- 1		- 1	- 1		ETC5IEEDW06		-					 	
			ш								10/9/2020		
- 1		1,850		Inflation: Types and Causes	ETC5IEEDW07						14/0/2020		176
- 1	1	100	Ľ	illiadoli. Types and Causes	D140920L26			1			14/9/2020	The second	



Dr. Milind Khanapurkar
Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.

EEK lo.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion	Assignme nt/Tutori al Date	AC's
	14 Sept - 19	-		Inflation: Control and Effects	ETC5IEEDW07 D150920L27						18/9/2020		
1	Sept 20	5		Deflation and Stagnation	ETC5IEEDW07			·			18/9/2020		
				Public Private Partnership	ETC5IEEDW07		 	 					
1				Inclusive Growth	ETC5IEEDW07		+	-			19/9/2020		
	21 Sept - 25			- State of the sta	DIROCOT 20	DESCRIPTION OF THE PROPERTY OF	N 01/00/01/11/01/01 01 01	CONTRACT CONTRACT			19/9/2020	_	
8	Sept						Sessio	nal I					
				Sources of finance	ETC5IEEDW09				A CONTRACTOR OF THE CONTRACTOR		20 20 10 1020	Carried Messier	I
					D280920L31						28-30/9/2020		1
		20		Venture Capital and Angel	ETC5IEEDW09						1/10/2020	4	1
	28 Sept - 3			Funding	D290920L32						1/10/2020		1
9	Oct 20	5		Capital Structure	ETC5IEEDW09						16/10/2020		1
	00.20				D300920L33 ETC5IEEDW09			4		-	1 20, 20, 2020	-	+
	Dr. A		V	Working Capital	D011020L34					1	9/10/2020	1	1
			1	D 15	ETC5IEEDW09	-	+	1		+		+	+
				Break Even Analysis	D021020L35						1/9/2020	1	1
				Network Analysis	ETC5IEEDW10		1				10/10/11		+
				Techniques: PERT/CPM	D051020L36						10/10/202	0	1
				Taxation	ETC5IEEDW10						26/10/20	201	07107
					D061020L37						3,6/10/20	20	
0	5 Oct - 10	5		Small Scale Industries:	ETC5IEEDW10)				1 1	7/10/202	on T	
	Oct			Features and Problems	D071020L38	_	-	_			1/100/20	-0	
				Sickness in SSIs	ETC5IEEDW10)					8/14/20	20	h
				Tachnical Congultance	D081020L39 ETC5IEEDW10						0/ 14/ 20		
			VI	Technical Consultancy Organizations	D091020L40						12/10/2	020	
			1		ETCSIEEDWI		-						_
				Government Policies to SSIs	D121020L41	1			1 1		13/10/2	2020	
	731			Tax Benefits and other	ETC5IEEDW1	1	_					-	
				Incentives to SSIs	D131020L42	* [1	l.			15/10/	2020	



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Curmins College of Engineering for Women Hingna, Nagpur-441110.



Maharsh Karve Stree Shikshan Sams a's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

© Cummins

CCOEW/AS / 20-21

Date: 31/ 7 / 2020

LESSON & TEACHING PLAN for Electronics Devices & Circuits

				Departmen	nt of Electronics &	Tele	Commu	nication Engir	eering				Marine 1
aculty	Name: Pr	of.S.Bhat	tachary	ra				Sub: Electron	ics Devices & Circ	uits	Year: 2	020-21	Sem:- III
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
		1	in the control of	Introduction to PN Junction Diode	ET3EDCW01D100 820L01	1,0,0,000		A.C			16/08		
		2		VA Characteristics	ET3EDCW01D100 820L02						11/08		
1	10th Aug	3		Temperature Dependence of PN Junction Diode	ET3EDCW01D100 820L03						12/08		-
	2 10	4		Transition and Diffusion capacitance of PN junction	ET3EDCW01D100 820L04	151				da.	13/08		
		5		Zener and Avalanche Breakdown	ET3EDCW01D100 820L05						17/08	1	
		6		Half wave diode rectifier	ET3EDCW02D100 820L06						18/08	Assin.	
	Щ.	7	1	Full wave diode Rectifier	ET3EDCW02D100 820L07	311					19/08		+
2	17th Aug	111		Bridge Rectifier	ET3EDCW02D100 820L08						240	_	
	21st Aug			Numerical	ET3EDCW02D100 820L09)			1.3		25/08		
		9		Numerical	ET3EDCW02D10 820L10	0					27 0		+
		10		Numerical	ET3EDCW03D10 820L11	0		Ď.			28/0		-
		11		Numerical	ET3EDCW03D10 820L12	00					29/0		-
	24th Aug	12		Introduction to Transistor, Construction	ET3EDCW03D10 820L13	00			HOD		31/0	8	



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

EK o.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Virtual lab	Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
	29th Aug	14	All Street on the College	Transistor Operations	ET3EDCW03D100 820L14						0109		
		15		BJT Characteristics	ET3EDCW03D100 820L15						02/09		
		16		Necessity of BJT Biasing	ET3EDCW03D100 820L16						03/09		
		17		Transistor biasing methods, Thermal Stabilization	ET3EDCW04D100 820L17						04/09	5 1	
		18	2	Thermal runaway, Compensation Circuits	ET3EDCW04D100 820L18						05/09		
	31st Aug-			Transistor as an amplifier	ET3EDCW04D100 820L19						07/09		
4	05th Sept	_		Numerical	ET3EDCW04D100 820L20			Marie 170			08 09		
		21		Numerical	ET3EDCW04D100 820L21)					11109		
		22		Numerical	ET3EDCW04D100 820L22	3					12/09	1	-
		23		H Parameter Model	ET3EDCW05D10 820L23					37	14/00	1.0	4
		24		CB,CE Amplifier Configuration	ET3EDCW05D10 820L24			- 4-14	il ince		18/00		+
	07th Sep	ot- 25		CC Amplifier Configuration	ET3EDCW05D10 820L25						19/0	1	
5	12th Sep			Principle of Negetive Feedback in Electronics Circuits	ET3EDCW05D10 820L26						21/0	-	
		27	1	Voltage Series, Voltage Shunt Type Negetive Feedback	820L27						22/0	-	
		28		Current Series, Current Shunt type Negetive Feedback	820L28						280		+
		29	3	Voltage and Current Gain, Bandwidth, Noise and Distortion	ET3EDCW06D1 820L29		. 1			*	28		
		30	1	Numerical	ET3EDCW06D3 820L30	100	1		sof that I		011		-
	14th Ser			Numerical	ET3EDCW06D 820L31	100					01		
6	19th Sep	ot		Numerical	ET3EDCW06D 820L32	100			HOD		05	10	



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Virtual late link Teaching	Refrence Book - Chapter no. Page no,edition, No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
		33		Numerical	ET3EDCW06D100 820L33						07/10		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		34		Numerical	ET3EDCW06D100 820L34						07/10		

S.Bhattacharya (Faculty In Charge)

Faculty in Charge

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441119.



i Karve Stree Shikshan Sam ha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS / 20-21

Date: 31/ 7 / 2020

LESSON & TEACHING PLAN for Television & Video Engineering

					nent of Electronics	& Tele			& Video Engineer	ng	Year: 202	20-21	Sem:- VII
VEEK No.	Name: Pro	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent/Tuto rial Date	sign
				Television Basics	ET7TVW01D100						80/el		-
		2	1	Elements of TV system, Low level TV	ET7TVW01D100	0					11/08	1	-
1	10th Aug	_	1	TV Receiver Block Diagram	ET7TVW01D10 820L03						12/08		
	1411705	4		Colour Difference Signal	ET7TVW01D10 820L04						13/08		
		5	١.	Composite Video Signal	ET7TVW01D10 820L05		1				1808		
		6	1	Colour TV System	ET7TVW02D1 820L06		-				19/0		
		7		Colour Fundamentals	820L07	1 10					2010		+
2	17th Aug 21st Au	70		Mixing of Colours	ET7TVW02D: 820L08 ET7TVW02D		-			-	210		1
0		9		Colour Perception	820L09		_	9		-	24		
		1		Chromatocity Diagram	820L10						250		
		1	1	NTSC System	820L11 ET7TVW03	1	-		-		26		
1		1	.2	NTSC System	820L13	2						08	
	24th A		13	PAL System	820L1			1	HOD			- 7	

Faculty in Charge



Dr. Milind Khanapurkar Principal ershi Karve Stree Shikshan Sanetha's mins College of Engineering for Women Hingna, Nagpur-441118.

	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activit Virtual no link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent/Tuto rial Date	AC's
	29th Aug	14		PAL System	ET7TVW03D100			Aid				The Date	
		14	1		820L14						29/08		
		15		SECAM System	ET7TVW03D100 820L15						31/08		
				FFGALLO	ET7TVW03D100								
		16	2	SECAM System	820L16						01/09	Asign-1	
			1	Colour TV Transmitter	ET7TVW04D100							T	
		17	4	Colour TV Hansimitter	820L17						02/09		
		18		Colour TV Receiver	ET7TVW04D100)				1	03/09		History And the second
		10	-		820L18				-		05/09		
	31st Aug	- 19		Remote Control	ET7TVW04D100 820L19	,					04/09		
4	05th Sep	ot			ET7TVW04D10	0			1				
		20		Antenna	820L20						0709		
				TV Pattern Generation	ET7TVW04D10	0					08/09		AL-
		2	1		820L21	-			14		-001		
	1	2	2	Review	ET7TVW04D10 820L22	٩		3 5 -	1 1		11109		
		 			FT7TVW05D10	0							977
		2	3	Introduction to Digital TV, Principl	820L23		1 .	100	with the second		12109		
				Digital TV Signals and Parameters	ET7TVW05D10	Ю					14/09		
		1	24		820L24 ET7TVW05D10	10					119101		
	07th Se	ent-	25	Digital TV Transmitter	820L25	,,,			A ve		1809		
5	12th S	,		MAG Simmel	ET7TVW05D10	00		- T				P 0 7 7	
			26	MAC Signal	820L26						19/09		
	1			Advanced MAC Signal	ET7TVW05D1	00					28/09		
		-	27		820L27 ET7TVW05D1	00	-				1 . /		
			28	Digital TV Receivers	820L28	•	100				29/09		
	77 77 77			3 Digital video compression technic	ET7TVW06D1	00					38 09		
			29	Digital video compression technic	820L29						20 0		-
			20	Digital video compression technic	que ET7TVW06D1	.00					01/10	48	
1		-	30	1 12	ET7TVW06D1	100	-				- 1	_	13.1
	_ 14th :	Sept-	31	MPEG1, MPEG2	820L31				= =		03/10		
1 .	6 19th	Sept		MPEG3	ET7TVW06D	100		1000			05/10		
\F	aculty	in Çl	ærge	IVITEGS	820L32			H	ob	1000	1 -110		1



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

	Week	No. Of Lect.	Unit No.		Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity Virtual into link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or pall	Completion Date	Assignm ent/Tuto rial Date	AC' sign
		33		Re	view	ET7TVW06D100 820L33						06/10	18/2	-2
		34		Re	view	ET7TVW06D100 820L34						07/10	3.0	
7	21st Sept- 26th Sept					820134	Sess	ional I Ex	amination			[-///0		
		35		н	DTV Standards and System	ET7TVW08D100 820L35						0810		
		36		Н	DTV Transmitter and Receiver/encoder	ET7TVW08D10 820L36	0					10/10		
8	28th Sep 03rd Oc			C	oigital TV Satellite system	ET7TVW08D10 820L37						12/10		
		38	3	4	CCTV	820L38						13/10		-
-		3	- 1		CATV	820L39						14/10	-	-
		4	0		DTH	820L40						15/10		
			1		Set Top Box with Recording Facility	820L41 ET7TVW09D1		-				16/10		
9	05th O	_	12		3D TV systems	820L42 ET7TVW09D2						17/1		+
	10th C		43		IP Audio & Video	820L43 ET7TVW09D		-				17/11		
			44		IP TV System,	820L44 ET7TVW09D					-	1911		
			45		Mobile TV Video Transmission in 3 G Mobile	820L45 ET7TVW100		-				19/1		
1			46		system	820L46 ET7TVW10I							0	
			47	5	Digital Video Recorder	820L47 ET7TVW10	D100	+					10	
	10 12th	_	48		Video Projector	820L48 ET7TVW10	D100					-	10	
	17tr	-	49		HD Video Projector Video Intercom System	820L4 ET7TVW10 820L5	D100	+		нор		28	10	



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

WEE No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	I Inches	Completion Date	Assignm ent/Tuto rial Date	AC's
		51		Review	ET7TVW10D100			Ald					
		52		Colour TV Digital Camera	820L51 ET7TVW11D100 820L52						21/10		
		53		Camcoders	ET7TVW11D100 820L53						24/10	Assign	2
11	19th Oct-	54		Handy cam & Digicam	ET7TVW11D100 820L54						26/10	Palm	ر
	24th Oct	55		Display Devices: LED	ET7TVW11D100 820L55						31/10		
		56		LCD	ET7TVW11D100 820L56			~			31 10		
		57	6	CD/DVD Players	ET7TVW11D100 820L57	*					6411		
		58		Blue ray DVD player	ET7TVW12D100 820L58						0411		
		59		Dish TV	ET7TVW12D100 820L59						05/11		-
12		60	F	Review	ET7TVW12D100 820L60		.1 4				04/1		-
		61	F	Review	ET7TVW12D100 820L61		ľ	2 -			05/11	-	+
- 1	26th Oct- 31st Oct	62	R	eview	ET7TVW12D100 820L62			* 1			0211		
-	05 Nov - 10 Nov	<u> </u>		No. 1		Sessio	nal II Exa	amination					1 217

S.Bhattacharya (Faculty In Charge)

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karre Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.



CUMMINS COLL

t ive Stree Shikshan Samsth.



Date: 3/8 / 2020

CCOEW/ETC / 20-21

LESSON & TEACHING PLAN for Engineering Physics

Department of Electronics and Telecommunication

Facul	ty Name:	ProfJa	ya Gad	dge				Sub: VLSI Si	gnal Processing (Elec	ctive-I)	Year: 2	020-21	SEM-VII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
				Pipelining and Parallel Processing Introduction	ETC7VSPW01D1 00820L01				VLSI Signal		10/8/2020		$\overline{\ \ }$
	104			Processing:Introducti on of	10820L02				processing & Implementation		11/8/2020		/
1	10Aug 14Aug	5	I	Pipelining, Types of Graph used in DSP	ETC7VSPW01D1 20820L03				by Keshab Parhi,chapter		12/8/2020		(
				system,DFG,SFG,DG &Data Broadcast	30820L04				no.3,page no. 63-		13/8/2020	Hy.	
				structure,Pipelining of FIR Digital	ETC7VSPW01D1 40820L05				74		14/8/2020		10V
				Fine grain	ETC7VSPW02D1 70820L06				VLSI Signal		17/8/2020		Haus
2	17Aug-	5	т	pipelining,Introduction of Parallel	ETC7VSPW02D1 80820L07 ETC7VSPW02D1				processing & Implementation		18/8/20		
-	Aug20	5	Ι	Processing, Designing a parallel FIR	90820L08 ETC7VSPW02D2				by Keshab Parhi,chapter		19/8/20		
				Filter, Numerical based on Parallel Processing	00820L09 ETC7VSPW02D2			<u> </u>	no.3,page no. 75-		20/8/20		
					10820L10			-	83		21/8/20	Tutorial	
					ETC7VSPW03D2 40820L11						24/8/20		Y
	24 Aug-			Pipelining processing for low power,parallel processing for low	50820L12				VLSI Signal processing &		25/8/20		
3 acu	ity m	Char	ge I	power,Combined	ETC7VSPW03D2 60820L13				Implementation by Keshab		26/8/20		



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Curnmins College of Engineering for Women Hingna, Nagpur-441118.

VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic power, Numericals	Topic ID ETC7VSPW03D2	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no, Page no, edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sig
				, sanciación	70820L14 ETC7VSPW03D2				Parhi,chapter no.3,page no. 84- 88		27/8/20		5
				Tutorial	80820L15 ETC7VSPW03D2						28/8/20	r mir	
					90820L16 ETC7VSPW04D3			- A			29/8/20	Tutorial	
				Retiming,Introduction,	10820L17 ETC7VSPW04D0						31/8/20		
4	31 Aug-	5		Definition and properties, solving	20920L18				VLSI Signal processing &		2/9/2020	7	
7	Sep20	5	п	system of inequalities, retiming	ETC7VSPW04D0 30920L19				Implementation by Keshab		3/9/2020		1
				techniques.	ETC7VSPW04D0 40920L20				Parhi,chapter - 4,page no. 91-108		4/9/2020		1
		- 1			ETC7VSPW04D0 50920L21						5/9/2020		1)
	5,4				ETC7VSPW05D0 70920L22	×					7/9/2020		19
				retiming techniques,Cutset	ETC7VSPW05D0 80920L23				VLSI Signal		8/9/2020		
5	7 Sep- 12Sep2	6	п	Pipelining,Retiming for	ETC7VSPW05D0 90920L24				processing & Implementation		9/9/2020		1/0
	0		2000	minimization,Retiming	ETC7VSPW05D1 00920L25				by Keshab Parhi,chapter -		10/9/2020	-	1/1
	- 1			for Register minimization	ETC7VSPW05D1 10920L26				4,page no. 109- 118		11/9/2020	-	H÷
12.6					ETC7VSPW05D1 20920L27						12/9/2020		
					ETC7VSPW06D1 40920L28			1 - 1 - 1 -	VLSI Signal		14/9/2020		
1	14Sept- 19Sept Ity in		III	Introduction, algorithm	700001 00				processing & Implementation by Keshab Parhi		17/9/2020		

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

8	28 Sept- 03 Oct20	5	m	unfolding and retiming,Application of Unfolding,Numericals	00920L34 ETC7VSPW08D0 11020L35	VLSI Signal processing & Implementation by Keshab Parhi ,chapter no.5,page no.129-	28/9/2020 29/9/2020 30/9/2020 1/10/2020		
					ETC7VSPW08D0 31020L36	14/	3/10/2020	Tutorial	
				,	ETC7VSPW09D0 50920L37		5/10/2020		
					ETC7VSPW09D0 60920L38		6/10/2020	2 -	Park
9	05- 10Oct	6	IV	Introduction,Folding Transformation,Registr		VLSI by Keshab parhi,chapter	7/10/2020		Kaus
	20			ation minimization Technique	ETC7VSPW09D0 80920L40	no.6,page no.149 - 164	8/10/2020	P 1	
				7	ETC7VSPW09D0 90920L41	104	9/10/2020		
					ETC7VSPW09D1 00920L42		10/10/202		
				Registration	ETC7VSPW10D1 21020L43		12/10/202		
10	12-			minimization in folded	n 31020L44	VLSI by Keshab	13/10/20	20	
Faci	170ct I lty o in	Cha	rge	Multirate systems,Examples	ETC7VSPW10D1 41020L45	parhi,chapter no.6,page no.165		20	1



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-41118.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
	2			*	ETC7VSPW10D1 51020L46				186		13/10/2020		
				Tutorial	ETC7VSPW10D1 61020L47						13/10/2020	Tutorial	
				Fast	ETC7VSPW11D1 91020L48						14/10/20		
				Convolution:Introduction,Cook- Toom	ETC7VSPW11D2 01020L49				VLSI Signal		15/10		
\	19- 24Oct 20	6	V	algorithm,Numericals	ETC7VSPW11D2 11020L50				processing & Implementation b	у	16/10		
11		6	V	Modified Cook-Toom	ETC7VSPW11D2 21020L51				Keshab Parhi chp.8,page no.237	-	17,19/10		
				algorithm,Winogard algorithm	ETC7VSPW11D2 31020L52	2			243		21/10.22/1	0	
				Tutorial	ETC7VSPW11D 41020L53	2			B		23/24	Tutorial	
				Iterated	ETC7VSPW12D 61020L54	2					26/10		
				convolution,Cycli)2					26/10		10 aus
	26-	1	1.	Convolution Desig	II-II //CPWIJI	02			VLSI Signal processing &	1	27/10		
12	3100	t 6	1	Algorithm by Inspection, Numeri	ercal ETC7VSPW12I 91020L57	02			Keshab Parhi ,cl	18.qr	28/10		
				S	ETC7VSPW12I 01020L58	D3			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		29/10/2	1020	
				Tutorial	ETC7VSPW12 11020L59	D3					29/10/2	2020 Tutori	al /

Faculty in Charge

College of Engineer

Academic Coordinator

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Curmins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi I rve Stree Shikshan Samsthi ; CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ETC / 20-21

Date: 3/8 / 2020

LESSON 8	TEACHING PLAN	for Engineering Physics
LESSON 8	TEACHING PLAN	for Engineering Filysic

_					Department of	Electronic	s and Te	lecommun	ication				
aculty	Name: F	Prof.Jaya	Gadge	1				Sub: Optic	al Communication	1	Year: 2	020-21	SEM-VII
WEEK No.	Week	No. Of Lect.		Exact Topic Name & Subtopic	Topic ID	PPtID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
			Koeneus	Introduction to optical fiber communication.	ETC7OCW01D 100820L01				- 1.Optical fiber		10/8/2020		7
				Principle of optical communication- Attributes	ETC7OCW01D 110820L02				communicatio n-Senior 2.		11/8/2020		7
1	10Aug 14Aug		I	and structures of various fibers such as step index,	ETC7OCW01D 120820L03				Optical fiber communicatio		12/8/2020		
				graded index mode and multi	ETC7OCW01D 130820L04	8			n- Gerd Keiser Page No 1-9		13/8/2020		
Be a				mode fibers.	ETC7OCW01D 140820L05				3		14/8/2020		1/801
				Propagation in fibers-Ray	ETC7OCW02D 170820L06				1.Optical fibe	r	17/8/2020		1/1
				mode, Numerical aperture and multipath dispersion in step index and graded index	ETC7OCW02D 180820L07				communication n- Senior 2.	0	18/8/20		
2	17Aug- 21	5	I	fibers.	ETC7OCW02D 190820L08				Optical fiber	3	19/8/20		1
	Aug20			Material dispersion and frequency response.	ETC7OCW02D 200820L09				n- Gerd Keis Page No 14-2	er	20/8/20)	
				Tutorial	ETC7OCW02D 210820L10				Tage NO 14		21/8/2	0 Tutorial	1
		0 00	W		ETC7OCW03E 240820L11				-		24/8/2	0.0	

Faculty in Charge



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Rather Rook - Chapter no. Page no edition. No	Kirla tor quia or poli	Crispatien Vika	bergemand Hoerd Vila	ecs son
				1	ETC7OCW03D 250820L12				Optical fiber		25/8/20	AND THE PROPERTY AND THE PARTY	1
	24 Aug-			Attenuation, material	ETC7OCW03D 260820L13				communication r- Cerd Keiser		26/8/20		4
3	29Aug2 0	6	11		ETC7OCW03D 270820L14				Page No 267- 307		27/8/20		
					ETC7OCW03D 280820L15						28/8/20	and the same of th	
					ETC7OCW03D 290820L16						29/8/20		1
			-		ETC7OCW04D 310820L17						31/8/20		-
				to the first	ETC7OCW04D 020920L18				Optical fiber		2/9/2020	-	
4	31 Aug		п	Scattering losses, bending loss, dispersion, Intra modal dispersion, Inter modal	ETC7OCW04D 030920L19				communicatio n- Senior Page		3/9/2020	- Indiana	
7	5 Sep2	5 Sep26 5 II	dispersion.	ETC7OCW04D 040920L20				No 423-446		4/9/2020		-	
					ETC7OCW04D 050920L21						5/9/2020	et let	estados de la constanta de la
	-				ETC7OCW05D 070920L22						7/9/2020	Carrier of the Carrie	0 - 14/
	***************************************				ETC7OCW05D 080920L23				1.Optical fiber communicatio		8/9/2020		Onthe
	7 Sep-		,,,,	Introduction, fiber alignment and joint loss, single mode	1090920124				n-Senior 2. Optical fiber		9/9/2020		
5	12Sep2		III	fiber joints, fiber splices.	ETC7OCW05D 100920L25				n- Gerd Keiser		19/9/2020		
	Carried Carrie	and the second			ETC7OCW05D 110920L26 ETC7OCW05D				Page No 30-47		12/9/2020		
	Manufacture of the last of the				120920L27 ETC7OCW06D		-				14/9/2020	1	
acı	ulty in	Char	ge	College of Engineer Hingma,	140920L28						Cinlind		
				Hingna, Nogper-441110						Maharshi I	Milind Khanapu Principal Karve Stree Shikshar College of Engineering Hingna, Nagpur-44111	n Sanetha's for Women	

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPtID	Videa ID	lab link Teaching	Page no, edition.	link for quiz or poll	Completion Date	Assignment/ Tutorial	AC's sign
	14Sept-			Fiber connectors and fiber	ETC7OCW06D	CHOING ASSESSED	14566	Ald	No			Date	
6	19Sept	4	III	couplers, Optical sources -	170920L29				1.Optical fiber		and the second of the second of		
	20	1		LED and LASER. Structures	ETC7OCW06D				communicatio		17/9/2020		7
				and properties.	180920L30				n-Senior Page				-
					ETC7OCW06D				No 111-170		18/9/2020		0
	21-25	CA DESCRIPTION OF	22.48.2	NAME OF TAXABLE PROPERTY.	190920L31						10/0/0000		fau
	Sept 20		認自由	Selecting Light			自然明洁旅	Manual Contract			19/9/2020		J" .
			THE RESERVE		Saud String		Sessi	onal-II				N 2 200 P	建筑建筑
- 1					ETC7OCW08D		The state of the s						
N.				Ownerson Assessed to the Control of	280920L32				0		28/9/2020		
				Photo detectors, Photo	ETC7OCW08D		-		1.Optical fiber		26/9/2020		
_	28 Sept-			detector noise, Response	290920L33				communicatio		29/9/2020		1
8	03	5	IV	time, comparison of photo	ETC7OCW08D				n- Senior 2.		29/9/2020	2. 1	
1	Oqt20			detectors Tutorial	300920L34				Optical fiber		20/0/2020		1
		-			ETC7OCW08D		-		communicatio		-30/9/2020	120	1/
				N)	011020L35				n- Gerd Keiser		1/10/2000		14
				Tutorial	ETC7OCW08D		-		Page No 50-60		1/10/2020		1
		-		ratoriai	031020L36		lo lo				3/10/2020		1
					ETC7OCW09D	-				-	3/10/2020	Tutorial	
					050920L37						5/10/2020		
1					ETC7OCW09D				-		771072020		
		- 1		Optical Receiver Operation,	060920L38					1	6/10/2020		
	05-			receiver sensitivity, quantum	ETC7OCW09D			1	Optical fiber		071072020		
9	10Oct	6	IV	limit, coherent detection,	070920L39		1		communication		7/10/2020		1
	20			burst mode receiver	ETC7OCW09D	-		The state of the s	Senior Page N		7710/2020		
- 1				operation, Analog receivers	080920L40		1		111-170	°	8/10/202		
		35.7		8	ETC7OCW09D		1		- 111-1/0		0/10/202	3	
- 1			-		090920L41	į.		4	1		9/10/202	0	
	- S	-4			ETC7OCW09D		+	-			9/10/202	0	1 1
-		1			100920L42						10/10/20	20	
					ETC7OCW10D		-	-	-		10/10/20	20	
- 1		1			121020L43		1				12/10/20	20	
	Ω	N					-	-	_		12/10/20	20	
		Mus.			ETC7OCW10D	9/10/2020			Optical fib	er			
acul	ty in C	Charge	اد	Operational Principles of	131020L44				communica		13/10/2	020	- Marie



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Curminis College of Engineering for Women Hingna, Nagpur-41118.

NO.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refr e Book - Chapter no. Page no edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
10	1708	5	VI	WDM. basic applications and bypes of optical amplifiers	ETC7OCW 10D 141020L45	12/10/2020			n- Gerd Keiser Page No		14/10/2020		10
	20			'	ETC7OCW10D 151020L46	13/10			400-424		15/10/2020		
				1	ETC7OCW10D 161020L47	14/10					16/10/2020		
					ETC7OCW11D 191020L48	14/10			Optical fiber		19/10/2020		
				Semiconductor optical amplifiers, EDFA.	ETC7OCW11D 201020L49	15/10			communication- Gerd Keiser Page		20/10/2020)
10				ETC70CW11D 211020L50				No 424-430		21/10/2020			
II	240e 20	6	VI	Measurement of Attenuation	ETC7OCW11D 221020L51				Optical fiber		22/10/2020		P
and the same of th		Philipped CTATE Base		and dispersion Study of various application of optical fiber	ETC7OCW11D 231020L52				communication- Gerd Keiser Page		23/10/2020		Tues
O'CHARLES OF THE COLUMN TO THE	200		The state of the s	communication.	ETC7OCW11D 241020L53				No 400-424		24/10/2020		
Open property of the last of t				Digital links - point-to-point links,	ETC7OCW12D 261020L54	21/10			Optical fiber communication-		26/10/2020		
				System considerations, link power budget.	271020L55	22/10			Senior Page No 449-470		27/10/2020		
1:	26 310			Rise time budget,	ETC7OCW12E 281020L56	24/10					28/10/2020		
	20			transmission distance for single mode links.	ETC7OCW12I 291020L57	26/10			Optical fiber communication-		29/10/2020		
				Daily a mode indica	ETC7OCW12I 301020L58	27/10			Gerd Keiser Page No 316-326		30/10/2020		
L				Tutorial	311020L59	28/10					31/10/2020	Tutorial	

Subject Teache

Faculty in Charge

Academic Coordinator



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118. Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2019-20

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in

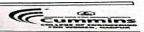












Date: 09 / 06 / 2017

CCOEW/ Department of Electronics and Telecommunication

LESSON & TEACHING PLAN

				CUMMINS COLLEGE OF	ENGINEERING FOR	WOMEN, N	AGPUR			
aculty	Name: Prof	. Ajay Tin	guria		Subject: WMC	SEM 8th (2019-20)				
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Refrence Book - Chapter no. Page no.	Completion Date	Assignment Date	Tutorial date	HOD's remark	Principal
1	16-21 DEC	6	1	Evolution of mobile radio communication. Cellular telephone system, frequency reuse, channel assignment and handoff strategies		21/12/16				
2	23-28 DEC	4	1	channel assignment and handoff strategies, interference and system capacity	*	28/12/	19			

Faculty in Charge

HOD

College of Englisee Hingna, Hogper-441119

Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-44110.

	3	30 Dec- 4 Jan	6	tr im sy	runking and grade of service, approving capacity in cellular system.	4/1/20		
	4	6-11 Jan	5	1				
Deall Academics	5	13-18 Jan	6	2				
uemics	6	08-13 JAN	5	2				
	7 Fac	20-25 Jan	AU I	# ANAN	NNYA	н	OP	



Dr. Milind Khanapurkar Principal Maharshi Karve Stres Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

AND DESCRIPTION AND	-							
8	27Jan- lFeb	5	3	Causes of propagation path loss	2/2/20	A88.1_		
9	3-8 Feb	5	3	causes of fading-long and short term	8/2/20			
10	10-14 GB	0		MID TERM TEST				+-
11	17-22 Feb	4	4	definition of sample average, statistical average, probability distribution, level crossing rate and average duration of fade, delay spread, coherence bandwidth, intersymbol interference. Unit Fundamentalsof equalization, space polarization				
jz	24-29 I"eb	6	4	, frequency and time diversity techniques, space diversity polarization diversity, frequency and time diversity, fundamentalsof channel coding.				_

Faculty in Charge

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Curmins College of Engineering for Worken Hingha, Nagpur-441118.

	1710					THE CONTRACT OF THE PARTY OF TH		
Č	13	2-7 Mar	6	5	Global system for mobile: services and features, GSM system architecture. 6iSM indio subsystem, GSM channel tjpc. GSM t?aiiie strucnire. signnl processing in GSM, introduction to CDMA digital cellular standard, Third generation wireless networks, 3G technology.			
De	14	9-14 Mar	4	5	Difference between wireless and fixed telephone networks, development of wireless network, traffic routing in wireless networks.			
Dean Academics	15	16-21 Mar	6	5 5	Mobile IP and wireless access protocol, mobile IP, operation of mobile IP, collocated address, Registration, Tunneling, WAP Architecture, overview, WML cripts, WAP service, WAP session Protocol.			

Faculty in Charge

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-41118.

(16	23-26 Mar	4	Infrared LANs, Spread spectrum LANs, Narrow bank microwave LANs, IEEE 802 protocol, Architecture, IEEE802 architecture and services, 892.11 medium access control, 802.11 physical layer. Wireless Application Protocol: architecture, WDP,WTLS, WTP, WSP, WAE,WML scripts.	
	ΙB	28 Mar- 3 Apr			PR£rMIVERMTYTEST

Facultyin Charge

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-41110.



CCOEW/CE / 18-19

Oate: / / 2O19

LESSON & TEACHING PLAN

CUMMINS COLLEGE OF ENGINEERING FOR WOIVIEN, NAGPUR									
Fau	lty Name: P	rof. Pravi	n Gora	1 A-1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	5	Subject: Applied V\aths TV	, NAGPUK	StM lv rrC.(Zois-20)	sem:- Qty
WE	Exa <t &="" name="" subtonic<="" th="" ton\c=""><th colspan="3">Activity/ Teaching Aid Rafrence Book - @ppttr no. Page ft0.9dtttDn. ND</th><th>Completion Assignment/ Date utorial Date</th><th></th></t>				Activity/ Teaching Aid Rafrence Book - @ppttr no. Page ft0.9dtttDn. ND			Completion Assignment/ Date utorial Date	
1	16 Dee- 21 Dec	6	I	HYltiERICAL METHODS -I For .Aaaalysis, Solution of .Algebraic and Transcendental Equations, hletltod of False position, Newton-Raphson method and their conrergence, Newton-Raphson method for multiple roots,	solving example by dividing	Engineering Mathematics by Shobhane & Tembhekar Pg. no. 9.1 To 9.10	PPTfvideo to solve example and algorithms of method	30-12.19	Took of the state
2	23 Dec -28 Dee	4	I	Solution of system of simultaneom linear equations: Gauss °:*-nination method ,Gauss Jordan method, Crnut's method, Gauss- Seidel method.	Solving example	Engineering Mathematics by Shobbane & Tembbekar Pg. no. 9.11 To 9.30	PPTfvideo to solve example and algorithois of method	0/201.20	Kan
3	, () 04 Jan	6	I	Numerical solution of ordinary differential equations: Taylor's series method, Riuige• Kutta 4th order method,EuleNs Modified Method,Milne s Predictor- Corrector method.	Solving example by dividing	Engineering Mathematics by Shobhane & Tembhekar Pg. no. 9.27 To 9.40	PPT/vldeo to solve example and algorithms of metho	15.01	

Faculty in Charge

Roms HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

										#46 CONT. 19
No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Feaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Sharted and Astronomy and St. Million	grament/T orial Date	HOO's sign
4	06 Jan- 11 Jan	5	}	Rxinge- Kutta melh Od to Have simuJtarieous first Cirder differential eqoal ions,Largest Eigen * •" ^*d rjgen x•ectcr ay iterati Ort method- TuCoüal1	Solving erampte	Engineering fi4stbemstic Shobhane Tembhekar	*'PY*v*d tn " e example and lgori of method	24-01-28	rejerio de reservo consumbación de presenta de consumbación de consumbación de consumbación de consumbación de	· ·
5	13 Jan- 18 Jan	5	Tt	Z-TRANSFORM Definitton , Convergence of Z- rraztsfoxztt and Prap'erties, Iztverse Z- transform by Partial E?actton Method, Residue Method (Inversion intégral Method)	Solvi08 exazapte	Engineering Shobbane & Teæbhekar 'Pg. no. 6.1 To 6.19	PPT/video to solve example of invers	1 - 0 1		1
6	20 Jan- 25 <i>3</i> an				A	Anannya Cultural Festiv	val			
7	27Jao- Olfeb	l /i	Ç\	Power Series Expansion, Convolution JDîf£ereoce Ectoatîoos wttb Constaztt CöeffIcients by Z-txansfortri Tutoxia 2	Sotving		PPT/video to sol example of convol- theorem	ive of of	07-02	28
8	03 <i>Web</i> - 08 Feb	5		Theory Of Probability pzobabûîty, Baysnde, Randooi vaüablæ: Dîsk xe4eand'Coutînuou mndoœeañablæ			1.88	25/4	25	
9	10Feb- 15Feb					SESSION	I			
10	17 Feb— 22 Feb		f'	Pzobability funktion und I3istzibut function, Joint distributions, Independent Rando vañables, Conk fHoiuüDîstñbut Tutoràal 3	50\v		& Pl•TR5deo f & exa sple of p ar funcu	or soh'ed robabilityi on	x12 25	2/2/
I-ac	uity In¢	fľ	e _		'		HOBUS	$\overline{}$,



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tooks	Completion Date	Assignment/T utorial Date	HOO's sign
4	06 Jan- 11 Jan	5	I	Runge- Kutta method to solve Simultaneous first order differential equations,Largest Eigen value and Eigen vector by Iteration method. Tutorial 1	Solving example	Engineering Mathematics by Shobhane & Tembhekar Pg. no. 9.41 To 9.46	PPT/video to solve example and algorithms of method	d 24-01-2		1
5	13 Jan- 18 Jan	5	п	Z-TRANSFORM Definition, Convergence of Z- transform and Properties, Inverse Z- transform by Partial Fraction Method, Residue Method (Inversion Integral Method)	example	Engineering Mathematics by Shobhane & Tembhekar Pg. no. 6.1 To 6.19	PPT/video to solvers		pa and	1
6	20 Jan- 25 Jan					Anannya Cultural Fe	stival			
7	27 Jan- 01 Feb	h	п	Power Series Expansion, Convoluti of two sequences, Solutions of Difference Equations with Consta Coefficients by Z- transform Tutor 2	nt Solving	Shophane &	example of convol theorem		07-	2.70
8	03 Feb 08 Feb	1 5	I	Theory Of Probability Axioms of probability, Condition probability, Bays rule, Randon variables: Discrete and Continuo random variables	a examp	Shobbane &	by PPT	2	5/02/00	,
9	10 Feb 15 Feb					SESSION	AL-I			
10	17 Feb 22 Feb	1 5	N	Probability function and Distrib function, Joint distributions, Independent Ran variables, Conditional Distribu Tutorial 3	dom Solv	Shobban	es by PPT/video for example of process functions	for solved probability tion	27/2	22/2



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
11	24UeM 29Fe&	6	v	Mathematical Expectation Functions of random variables, Varience & Standard devation	Solving example	Engineering Mathematics by Sbobhsne & Tembheknr Pg.no. 12.2 To 12.8	PPT/video for solved example of mathematical exceptation	0 2/3		5
12	02 Mar- 07 Mar	6	v	Moment, Moment generating function, Covariance, Correlation Coefficient, Conditional Expectation Other measures of central tendenc and dispersion, Skewness and Kurtosis, Tutorial 4	ns, Solving	Engineering Mathematics by Shobbane & Tembhekar Pg.no. 12.9 To 12.2	PPT	69/3	-	
13	09 Mar 14 Ma	1 5	п	SPECIAL FUNCTIONS AJ4D SERI SOLUTION Serie solution of differential equation Frobanius method, Bessel's functions, Legendre's polynomia	by Solving example i		PPT	13	3	
14	16 Ma 21 Ma	1 6	I	Recurrence relations, Rodrigue formula, Generating functions, Orthogonal properties ri(x) and Tn(x) Tutorial:	Solvin examp	Shohhane &	PPT	18	10	Op.
15	23 Ma 28 Ma	- 1 5		Probability Distribution Bir distribution, Poisson disturbu Normal distribution, Relation between Binomial, Poisson a Normal distribution, Centrel L theorem, Exponential Distribution	tion, Solvi examp and divid cimit gro	le by ing Mathematics Shobhane Tembheka	& PPT/video for example of Prodistribut	bability	5/3	
16	30 Ma 3 Ap	- 5	;		•	F	Revision			
17 Fac	4 Apr		ge ,	P		Se	essional \l	Man	L	



Dr. Milind Khanapurkar Principal Maharshi Karve Strea Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi jarve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering



CCO£W/CTC / 19-Z02O

Date: J6/ 12/ 2020

LESSON & TEACHING PLAN

	CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR										
Facult	ty Name: F	Prof. A. A.	Basesh	ankar	5	Subject: EMF		SEM IV ETC(2019- 2020)		Sem:- EVEN	
\I\ÆX No.	Week	No.00 Lect.	Unit No.	Exact Topic Name & Subtopic		Refrenze Book – Chapter no. Page no,edition. No	ICT too\5	•	ssignmem/T utorial Da t e	HOD's sign	
1	16 Dec - 21 Dec	6		Introduction to Cartesian, Cylindrical coordinate system	Nuaiericals and daily life example	Engg. Electromagrletics byHayt	PPT and NPTEL Video	21st Dec		82	
2	23 Dec - 28 Dec	4		5pherical coordinate system, Differential Length, surface and volume	Numericals and daily life example	Engg. Electromagrietics byHayt	PPT and NPTEL Video	ra"	_	82	
•	30 Dec - 04 Jan	6	I	Electric field intensity, flux density, Gauss's law, Divergence, Divergence Theorem	Daity Life example and Numericals	Engg. Electromagnetics byt)ayt	PPT and NPTEL Video	2000 2000	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Sz	
4	6 Jan - 11 can	5		Electricpotential and potential gradient.	Nuiuericals	Engg. Electromagrietics by Hayt	PPT dno NPTEL Video	1 4 1 1 "		Sh	

(a) **

Segs. Nimber



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingan, Nappur-441118.

_	13 Jan- IS Jan		II G	La(, iace and Ut ss equiations Curry•iit derisib aud continuity eqiiatioii, Biot- Bax'crt*s lawAiiipere's circuital fan	fep(otjniqg experiment nt Biol Sax'art Lax in Law	Engg. Electromagrietics by Hayt	PPT arid NPTEL Video	21 JAH) }
6	20Jan- 25 Jan				ANNANYA	. 2020				
6	27 Jan - 1 Feb	6	п	.fipplications,Magnetic flux and Flux density, Scalar and Elector magnetic potentials.Maxwell"s equations for steady fields	Numqyical9	Engg. fileCtfOmagneticS by Hayt	PPT and NPTEL Video	osfeb	. +	82
7	3Feb - 8 Feb			Maxwell's equations for time varying fields. Electric and magnetic boundary conditions. Electromagnetic wave equation, wave propagation in free space.		by Hayt	es	A	O. Lep.	8
					SIOOAL-I/10Feb		PPT a	md		
8	17 Feb - 22Feb	4	Ш	Vumerical Practice Based Or Maxwell's equations	n Numericals	Engg. Electromagne byHayt		EL		
9	24Feb- 29 Feb	6	IV	Wave equation in perfect conductor,skin effect,Poyntir theotern,power how	ng Numericals	Engg. Electrornagn by Hayt				



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

	2 Mar - 7 <i>Ms r</i>	6	IY	Reflection and rel ction of uniform plane wave	Numericals	Electromagnetics by Hayt	NPTEL Video	
11	9 Mar 14 Nfar	4	IV 	Polarization of wave	Numericals	Engg. Electromagnetics by Hayt	PPT and NPTEL Video	
12	lb Mn -21 Mar	6	V	Rectangular waveguide,TE,TM.TEM waves,wave impedaiince	Numericals	Engg, Electromagnetics by Hayt	PPT and NPTEL V _i & _O	
	25.14			Numerical Based on rectangular waveguide	Numericals	Engg. Electromagnetics byHayt	PPT and NPTEL Video	
13	25 Mar -28 Mar	4	V	Radiation Resistance, short dipole, Magnetic and electric field due to oscillating dipole	Numericals	Engg. Electromagnetics by Hayt	PPT and NPTEL Video	
14	30Mar- 31 Mar	2	VI	Seminar on Antenna eIFiciency,Beam width,Radiation Intensity,Directivity,Power Gain,Front to bach ratio	Numericals	Engg. Electromagnetics by Hayt	PPT and NPTEL Video	

Faculty Incharge







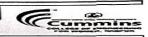
WEEK

No.

1

2

Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CfO£Vt'/ D e p a . i t of Oectronits and Tetecommunicatipn

No. Of

6

4

Unit No.

Ι

functions, kmaprepresentations logic functions (SOP & POSforms),

Faculty Name: Prof. Ajay Tinguria

1M?I

DEC

35-28

DEC

LESSON & TEACHING PLAN

Microprocessor

Architecture and Programming

	CUMMINS COLLEGE OT	ENG\NEERING FOR	WOM£M,N	AGPUR			
		Subject: DCFMU	SEM 4th	(20t9-20)			
The Parties of the Pa	Ernst Topic t4ame &5ubtnpic	Refrence Book - Chapter ne. Page no.	Completion Date	Assignment >	Tutorial	HOD's remark	Principal
	Rivision of Binary Number System	Modem Digital Electronics Microprocessor Architecture and Programming	21/12/19	Ass	10/12 20/12		
	Standard representations for logic	Modem Digital Electronics	28/12/19		26/12		

Faculty in Charge

HOD



			Pin I									
			Dec- Jan	6	1	Standard representations for logic functions, k m p representation of lo c fiinctions (SOP OSJ Onns)) G	4/1/20	<u> </u>	30/12		
		4 6-11 Jan		5	1	Bin : Adders Subti actoq BCD AÖders dsubtractors	M demDigtal Electronics Mie processor hitec a•d Pr g	(1/1/20				
	5	3-18 Jan	6		2	minimization of logical functions Of tep and max-terms (upt q */tables). don't careconditions,	Moder Digital Electroæcs M //op*ocessor ChitecWe and ming	18/1/20				
	6	08-13 JAN	5	2	E C +	ecoder, Code converters.	Modem xligttal Electronics Jeroprocessiyr Afchitec ire and Promo	13/1/20		<u>.</u>		
L _{Fa}	Gult	tao	H#####################################	§N°∕	^^rr		rionio g					

HOD



8	27 Jan- #Peb	s	3	Multiplexers and their use in combitlaiiolia Ilogic designs, wtuttiplexeY trees,	Iodem Digital lectronics dicroprocessor Architecture and Programming	2)70	
9	3q Feb	5	3	DtMuHQexemAndDecode Logic fonction implementation using decoders	ModeroDlgiîBl EbrfioÄs Microproeessor Architecture and Programming	2/20	
10	10-14 rxa			MBDTERMTEST	,		 ,
11	17-22 Feb	4	4	1 Bit Memory Cell, ClockedSR, IK, MS J-K flip flop ,D and T flip- flops.Use of preset and clean terminale	MpB:mDi@ta Electronics Microprocessor Architecture and Piogramming	22/2/2	
12	24-29 Feb	6	4	Excitation Table for flip flops. Conversion of flip flops.Regislers Shifi registers, Counters(ring counters, twisted ring counters)	Modem Digital Electronics Micioprocessor Architeetuse and P P g	27/2/20	

Faculty in Charge

НОО



						and the state of t	
13	2-7 Mar	6	5	syni hronions counters• lock out , Uloek l'rograrva («/ * * *gic d *ices' })2tgtJ nyelsitectire, StYt@ Of PROM,	Modern Di_ital Electronics Microprocessor Architecture and Programming	7/3/20	
14	9-14 Mar	4	5	Introduction to microprocessor, Architecture of 8085 microprocessor, Addressing modes, 8085 instniction set,	Modern Digital Etectronics Microprocessor Architecture and Programming	14/3/20	
6.5	I6-2J Mar	6	5	Concept of assembly language programming, Interrupts. Classification and characteristics of memories: RAM, ROM, EPROM, EEPROM, NVRAM, SRAM, DRAM, expanding memory size, Synchronous DRAM (SDRAM), Double Data Rate SDRAM,	Modem Digital Electronics Microprocessor Architecture and Programming	Websivan 7 and 8 April 20	

AU luquia \$UJty In Charge

HOD



16	23-26 Mar	4	6	families, Characteristics of digital	Electrq _g l _i q MicroproCesspt Architecture and Programming	Webuius 7 and 8 April 2020			
18	28 Mar- 3 Apr				PRE U	JNIVERSITY	TEST		

Faculty in Charge

НОО





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



-				LESSION AND TEACIFI	COVIC DI AV	Date:				
—			Foo	culty Name: Prof.S.Bhattacharya	ING PLAN	subject: PDM		Year 20	18-19	gem:IV (ERQ
Month	Week	No of Lecture		Exact Topic Name& Subtopic	Activity/Tea F ching Ald	Reference Book- Chapter No, Page No	ICTTools	mpletion		
16th Oecto 21st Dec 3rdDec o 27th Dec	2	5		Introduction on Three Phase Transformer Differerent Transform c•nnecto : se -Star, Sta -oeka, Delta- Delta, Delta -Star, open Delta Three phase to Two phase conversion (Scott Connec.) Parallel Qperation of Transformer Introduction to Yhree phase Induction Motor, Principle of operation, Necessity of Starter DOL Starter, Auto Transformer Starter Star Delta Starter, Different Speed control Technique Ellustration of Speed control technique Numerical on Three phase Induction Motor Tutorial		B.L.Thereja, "Electrical technology", Vo -2: Page no 1211tь 1242		19/12/19 19/12/19 20/12/1 20/12/1 23/12/1 23/12/1 26/12/ 29/12/	991919	
Jan Oth	3	5	6 S	ntroduction of DC motor PrincipIe of operation Types of DC mot		B.L.Thereje "Electrica technology Volume 2: Pa No 1032 to 1358	l ", ige	27/12/30/12/31/12 31/12 31/12 03/01/04/0	19 119 120 120	
Jan th 5		5	1 of	peration <u>,Advantages,Application</u> utorial troductionto Po <u>wer Devices</u> R.Construction <u>Operation</u> ora istor Analo tic&OynanicCharacteristics,Switchingharacteristics	*	B.LTherej "Electrical technology Volume 2: 1 No 1032	l ", Page	080 030 030	1120	



t7th Jan 1024th -											
27th law to 01 Feb	8			IGBT Construction, Operation, Steady Stage Characteristics Switching Characteristics, Safe Operating area Need for gate fbase drive circuit, Isolation Techniques Base drive circuit for BIT Power MOSFET Construction, Types & Operation	M.D.Singh & Khanchandani: "Power Electronics" Page No159- 221						
03rd Febto 07th Feb		9	У	Forward and Reverse bias operation Gate drive circuit for MOSFET and IGBT GTO Construction & Operation Turn Off Mechanism, Application of GTO Tutorial							
10 nFebto 14th feb				SESSFONAL TEST	Т						
17th Febto Zist Feb	10	6	3	Introduction: Controlled Ractifier, Single phase Half Controlled Rectifier Single Phase fully Controlled Recifier with Resistive Load, inductive Load Bridge Configuration with Resistive Load, inductive Load, Effect offree Wheeling Diode innee dhase nair wave oncroileo xec ider wi n ftesis Eive load Three Phase Full wave Controlled Rectifier with Resistive Load	M.D.Sirgh & Khanchandani: "Power						
24th Febto 29th fieb	11	5	3	AC to AC converter (Cyclo Converter) Principle, Operation Single Phase AC Voltage Controller for Resistive Load, RL Load Three Phase AC-AC Voltage Controller with Resistive Load Application of Cycloconverter Tutorial	Electronics" Page No.(431 to 451 & 500 to 522 I						
2 nd Mar to 7th bear	lz	6		Introduction to Chopper, Working Principle Step Up & Step Down Chopper Class A, Class B, Class C Chopper Class D, Class E Chopper							



yth MartO 13th Mar	13	6	4	Control Strategies of Chopper Introduction to Inverter, Classification Working Principle of Single phase Holf Bridge inverter with R and RLload Workin8Principle of Single phase Full Brtdge InveKer With R and RLload 12OnveneBridgehasThree	M.O.Singh & Khanchandani: "Power Flactronits" Page No.(434-	
16th Marto 21st Mar	is	4	Rev	Tutorial t. A o d g r e e Three ; Phase Bridge Tryerter in 180 degree Mode Revision of Unit 2 Revision of Unit 2	444 & 535-574)	
23rd N&+0 z7th Mar	17			•		
30 Marc to 3"	h			Sessional 2		

Faculty

HOT





Maharshi Karve Stree Shikshan Samstra's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/ETC / 19-20

Date: 9/ 12 2O19

LESSON & TEACHING PLAN

						BRING FOR WOMEN	I, NAGPUR			
Faculty	Name: P	rof. Jaya.	M.Gadge			Subject: OCOM		Year:2	Sem:-VI	
WEEK No.	Week	No. Of Lect.	Uriit No.	Exact Topic Name& Subtopic.	Activity/ Teaching Aid	Refrence Book- Chapter.ito: Page no,edition, Nö"	ICT tools	Compiëtion P	Assignment/ Tutoriel Date	HOD's sign
†	9-13 Dec	5		Bridge Course						Lon
2	16-21 Dec	6	I	Review of Random variables, PDFs & CDFs, Central limit Theorem			Introduce Edmodo App	46/ 12/11 cetÏ2n		Jon .
	23- 28Dec	4	1	Model of digital communication system, Gram Schmitt Orthogonalization procedure, Signal space concept	Showing concellary Signal State diag.	Digital communication: Simon Haykin (WEP)	https://www.youtube.co m/watch?v=aJ awJDih18	21/12/1	27/12/15 (Tuborial	Los
4	30 Dec - 04 Jan	6	I	Geometric interpretation of signals, probability of error, correlation receiver, matched filter receiver			https://www.youtube.co m/watch?v=TFOO1JAII2Y		200	94

Faculty iù Charge

AN 250 HOT



-			ON TOWNS OF SELECTION OF SELECT			Refrence Book -	B	
		No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Ald	Chapter no. Page no,edition. No	https://www.google.co.in	Date
5	06•11 Jan	5	п	Source coding Theorem, Huffman coding, L-Z encoding algorithm		Digltal communication:	attons+of+retImIng&o a=p off a n f timing&aqs=chrone 69 S Ž.22D91iOi8&sourcek=ch	12/0/10/0
6	13 -18 Jan	5	II	RRie distortion theory for optimum quantization, scalar & vector quant to n	Video lectures	simon Haykin (WEP)	https://www.youtube.co m/watch7v= ¡W4D23GV8 Q	
7	20-25 Jan					Annanya		170
8	27 Jan - 0I Feb	6	II	Waveform coding methods: ADPCM, Adaptive Sub-Band & Transform coding, LP & CELP coding,		Digital communication: simon Haykin (WEP)		attorizo Oslosto
9	03-08 Feb	5	III	Coherent Binary: QPSK, MSK, Gaussian MSK		Digital Communicatiorc J.S.Chitode	PPT	ostores ostores
10	10-14 Feb	5				Sess1os>aE-I		
11	15-19 Feb	5				Industry vżs	št	
12	10-14 Feb	5	Ш	DPSK,Memory less modulation methods, linear modulation with memory,nonlinear modulation methods with			PPT	812120
acult	y in C	harge					HON	2/12/20



13	24-29 Fet>	6	IV	Introduction to Galois field. Construction of Galois field GF (2 in) & its banic properties	Error contr ShuLin	rol coding:	BARRE	
14	2- 7h'tarc li	6		Types ot"eiior control: Foiavard en'or correction (FEC), Automatic i'epeat request system (ARQ). Convolution encoding and decndino	Digital Commun J.S.Chitod			11 9 3/27 12/3/22-13/8/20
15	9-14 Marsh	4	IV,V	Distance properties, Viterbi algorithm and Fano algorithm. Trellis coded modulation, Introduction to Turbo coding	Digital Commun J.S.Chitoc communic Simon Ha	le,Digital		71413 20
16	1D21 March	6	V,VI	Reed Solomon Codes: encoding & decoding,Low density parity check coding (LDPC), Study of PN sequences,direct sequence methods	Digital commur Simon Ha	nication: aykin (WEP)		2712120 pssign
17	'25 8 March	4	VI	Frequency hop methods, slow and fast frequiency hop,synchronization methods for spread spectrum,	Digital Commu J.S.Chita			021320 11/3120

Faculty in Charge

HOTE



No.	Week	No. Of Lect.	Unit No.	ĒRBGt lOplC Rfarrie & Subtoplc	Activity/ Teaching Aid	Chatrrer no. Page	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
2.00	30Ma r-4 Apr	2	VI	Application of spread spectrum, C D I . Introduction to OFDM		Digital Loiniontcotion: J.5.Chitode		JS13	,126.	
19	4-9 Apr	5				SeSsional	11			

Faculty in charge

HOT

Hingna, Hogper-441119

V/ETC / 18-19

LESSON & TEACHING PLAN

				CUMMINS COLL	EGE OF ENGINEERING FOR	WOMEN, NAGPUR				
r Nai	me: Prof. Sa	urabh S. 1	Nimkar		Subject: CONTROL SY	STEM ENGINEERING		Year :	2018-1290	Sem:- VI
No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
	24-30 Dx	, 6	I	InProduction to Control System Engineering & Block Diagram Reduction Technique "	Shows the conventional tubes and Control System tubes		291219	1	28/21	a 802
	1-5 Jan	5	I	Signal Flow Graph Technique, Massons Gain Form ula	explain with existing klystron generator in lab	1.J. Nagiath"Contiol System Communication" Wiley Second Edition Unit	4-01-20	1 1	8-9-	lt Sz
	7-11 Jan	5	I	Reflex Klystrons, slow-wave structure: TWT with Numericals and Derivation	PoWei measurement usin Reflex Klystron with variation by practically	, a	10-01-22	1 1	2019	20/81
				,	Anannya 2018-t9	9,				
	21-25 Jan	5	I	BWO(Backword wave oscillator),Magnetroscillator and its types		Control System and Rado Engg. By M.KuIkar•1 •g no. 339-368)		20	28-	0/20/3

ulty in Charge

HOD HOD



385 H 2	TO SECURE OF THE PARTY OF THE P			A STATE OF THE CONTRACT PROPERTY AND ADDRESS OF THE CONTRACT O	W					
No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
	28Jan- 2lFeb	6	п	Introduction of Control System Components.Introductionto rectangular waveguide & waveguide excitation		S.Y. Liao, "Control System Devicesand Circuits", Prentice Hall India and Control System and Radar Engg. By M.Kulkarni(Page no. 199-260)	https://www.youtube.c om/watch?v=qtGBRxG MU	NOTE	20	- 90
	04-08 res	5	п	Princfples of S-parameters, Spaiameters for multi-ports (2-port, 3-port, 4-port etc.)	PPT		https://www.slidesefve. com/Gabriel/chapers our-* nele odu'a **on	NPTEL	7.5	Sor
	11 Feb- 16 Feb	6	п	properties of S-matrix, Derivation ,uuveguide Tees (E, H, E-H pJan«) Directional Couplers, matched terminations	Taking Real timeApplitations	Prentice Hall India and Control System and RadiÎ' Engg. By M.Kulkarni(Page no. 199-240)	http://thesi.com/paper/ /G-TE/2013/Septempe E-OctPber/CNCE- it04530101.pdf htt ps:/ www.youtube.com/wa t h?v= bPse 2c	olpre	1×-4	
		5				Sessional I				
200	25 Web-2 March	6	п	Control System attenuators,S1 otted line, Feri te deviseş Circulators, Isolators, gyrators.	ICT Tools (PPT)	S.Y. Liao, "Control System Devices and Circuits", Prentice Hall India and Control System and Radar Engg. By M.KuIkarni(Page no. 241-260)	a a	NOBE	1-02-	-%

ty in Charge

ноо



			+	L , "y . ». «		« q "	
(No.) Week	No. or Lect.	No.	Control S2 Stern mMsurcinent: Introduction to Control System TleaslITelReJits. definition and measurement methods of frequency,power, attenuation VSWR, impedance, insertion loss, dielectric constant, Q of a cavity resonator, phase		S.Y. Liao, "Control System Devices and Circuits", Prentice Hall India and Control System and Radar Engg. By M.Kulkarni(Page no. 261-296)		
2-7 April					Sessional II		

!ty in Charge

HOD HOD

Hingna,
Hogper-44111e

o. Week	No. Of Lect.	No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book Lhapter no. Page no, edition. No	ICT tools	plytlon oata	Agsl\$riment/T utorlel Date	HOD's slgn
4-4 htarch	5	ш	•••Olld •<19tc COthTvol SyStetjl De 'ices.Pernni •tric Rniplifiets. l•ljq diodcs. Transferred Elcetrr>n dc 'ices: Gutin diode.A al:niche diode. Transit Time dc -ices like IblPATT, T 4PATT diodes.	Video Lectures	S.Y. Llao, "Control System Devices and Circuits", Prentice Hall India, Control System and Radar Engg. By M.Kulkarni(Page no. 369- jg\$)		107Bc	- 4° 0°	R.
I1-16 hlarch	6	v	Intmduction of Radar Fundnirtenio1s:Basic principles end fundomeninls of Rndar, block diagmm of basic radar, classification, rodar performance factors	TFT	Skolnlk, "Principles of Radar Engineerlng", Mccraw Hill Publications and Control System and Radar Engg. By		NATEL	my	82
18-2? March	4	V	radar renge equation, factors influencing maximum range.Numericals based on Radar range Equation .effects of noise, Pulsed radar systems.	РРТ	M.Kulkarni(Page no. 513- S45)		NOTE	(10)	Son
25-30 Marci	l n	VI	Antennas and scanning, display methods, moving target indication, radar beacons, CW Doppler radar,FM CW phased orray radars, applications of radar	РРТ	Skolnik, "Principles of Itadar Engineering", McGraw Hill PubtcaGonsand tootoi System and Radar Engg. By M,Kulkarnl(Page no. 545- 570)		MAE	L 79-1	80

√Ity in Charge H





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ETC / 19-20

Oate: 16/AZ/2019

LESSON & TEAtH)NG PLANT for Telecommunication Switching Systems

				Oepartment. of E	\ecttontcs and	l Ie\eCommunicatio	on			
Faculty	Name: Ruch	na CJ'than	da1kar					Year: 20	DiS-2020	Sem: VI
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Reference Book - chapter no. Page no,editIon. No	ICT tools	Completion Date	Assignment/Y utoral Date	HOD's sigu
1	16-21 Dec	6		Principles of manuat switching system, electronic telephone, local and central battery system, trunk exchange, junction working.		Thiag‹a)nn Vishwanathan (chapters 3c2: page no.1-49)	SEG Communication	24/12/19		
2	23-28 Dec	4		Automatic telephony: strowger exchange, line switches and selectors, ringing and tone circuit.		Thiagrajan Vishwanathan (chapterl &2: page no.5tL59)		26/12/1 tre 30/12/x	`\	
3	30 Dec-4 Jan	6		subscriber unise\ector circuit, trunking diagram, cross bar switching system.Message switching, Circuit switching, manual switching and Electronic Switching.		Thiagrajan Vishwanathan(ch pter 3 :page no. 6 84)		30/12/	910	

Faculty in Charge

HOD



No.	Week	Lect.	No.	'/ E*er#topkn*me# pq	Activity/ Teaching And	Raferance Book - Chapter rto. Page	ICT tools		ssignment/T utorial Date	HOD's sign
4	6-11 Jan	5		'ñ'!-^ s+*"tch'^g.' S\v tching functions, space divisioT1 5SvitChing, time division switching, two dimensional s-vitc)ling, digital cross connectsystems, digital switching in an analog environment.		Thiagrajan Vishsvanathan(cha pter 5 R 6 : page no. 141 -226	6	25/1020 20/1/2020		
S	13-18 Jan	5	I[I	Single Stage Neavorks, Gradings: Principle: Designof progressive grading, other gradings, Traffic capacity of gradings, Applicationsof gradings. Link Systems: General, Two stage networks, three stage networks.		J.E.Flood (chapter 5: page no. 117 to 137)				
6	20-25 Jan					Anannya 2K19				
7	a " eb	6	iii	Grades of service of link systems: Menera Two stage networ\ <s,three stage networks, Call packing, Rearrangeablenetworks, Strict sense non blocking networks, Sectionalized switching networks Control of Switching Systems</s,three 		J.E.Flood (chapter 5 : page no. l38to 154)				
8	3-8 Feb	S		Call processing Functions: Sequence foperations, Signal exchanges, State transition diagrams. Common Control, Reliability, Availability and Security.		J.E.Flood (chapte 7: page no. 176 to 191)				1
9	10-14 Feb		I			Sessional I		I		

Faculty in Charge

Sol HÓD



No.	Week	Lect.	Wo.	Exact Topic Name & Stopic	Activity/ Teaching Aid	Reference Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T	HOD's sign
10	17-22 Feb	4	v	Integrated Services Digital Networks: ISDN, Network and protocol *·chitect ore', Transmission Channels, Userpletwork injterfaces		Thiagrajan Vishwanathan(chapter 11: 490 - 553}		9/3/20		
11	24 Feb-29 Feb	6		*gitaling, Numbering and Addressing, IDN Standards, Broadband ISDN, Voice Data Integration		Thie rg'an *ishwanathan} chapter 11:490 - 553)		10	75	
12	2-7 Mar	6	VI	Mobile telephone services, cellular telephone, Frequency reuse, Interference. Cellular System tOpOlOgy, ROaming and handoffs, Cellu\ar telephone network <omponents calls="" celluiar="" cellular="" digital="" processing.="" systems:="" td="" telephone="" telephone<=""><td></td><td>Wireless communication by T.S.Rappaport(chap ter 3: pa ge no. 57 - 97)</td><td></td><td>22/2</td><td>7000</td><td></td></omponents>		Wireless communication by T.S.Rappaport(chap ter 3: pa ge no. 57 - 97)		22/2	7000	
13	9-14 fiAar	4		Unit of Traffic, Traffic measuremen a mathematical model,Lost- call systems: Theory, traffic performand loss systems in tandem.				4	to to	
14	16-21 Mar	6	ıı	Queuing systems: Erlang Distribut probability of delay, Finite queue capacity, systems with a single server, Queues in tandem, delay tabled and application of Delay formulae.	on,	}EflOodchapM 4: page no. 87 . 113)	1		26/2/200	

Faculty in Charge

HO@*



-7 , °	''•°*	' i [∕•i;	l _y /	°='=°»'••.•.aNg•,'•\$	4ct]vlty/ 1tac'h1ngAld	sha;te:"nva"ge " no.edIt1on, tto	.c.T tools	Completion Assignment/ f100's stgn
15	23-28 Mar	4		analysis: Tramc ci>a a+tet\st\cs: Arrival Oistrihutions, Holding t'ime Distribution. Less Systems Lost Calls cleared,)ost acts returning, lost calls Held, lost Calls cleared.				24/2/2000 Sominares
				Timing: Timing Recovery, Clock Instability, Elastic Stares, fitter measurements, systematic jitter,1iming Inaccuracy: Slips, Asynchronous Multiplexing, Waiting time jitter.				2/3/202
16	30 Mar-4 Apri	5	lv	Network Synchronization: Ptesiochronous, pulse stuffing, mutual synchronization, Network master, Master - S\ave synchronization, Hierarchical synchronization ProCesses, Network management: Routing contrOlfQV control.		J,E.Flood (chapter 2: page no. 16 - 47)		1 d/2/20,50

Facultyin Charge

HOW





Maharshi Kan Stree Shikehan Samsiha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ Department of CE/ME/ETC / 2019-20 Date: 16/12/2019

LESSON & TEACHING PLAN

				CUMMINS COLLEGE OF ENGINEERIN	G FOR WOMEN, NAGPUR	1	
Facul	lty Name: 1	Prof. R	ashmi Des	hpande	Subject: Functional English	Yenr <2019-z0j	Sem:-VI
\\'EE K No.			Unit I No.	Exaei Topie Hnme fi Subtopic	Retrence Book - Chzptcr no, Pzge no	Compl•ilon Asslgnmeri Date t Daie	HOD's reanrk Principal
1	16-21 Dec 19	1	2	ish fi i : IPA,\I'ord Building,Synonyms,Antonyms,Ansloglei	Qiiich Lesming obJectiveGeneral RngJisii, Funclional Eng. Por Tech.Stu. Hlmalaya Pub.{pg no. 57-86)	J't, \\$ W	
2	23- 27 Dec 19	2	1 &2	Gi› e Ooe wozd for, Phrases, 1diozas anü proverbs	objectiveCeneral English,Functionat Eng.For Tech.Stu. Himalaye Pub.(pg	26/12	
3	3s Jan zo•o		1	Funcfioztnf Grammnr : Active Psssive, Narration	Functional kng.For Tech.Stu y-tiaatsya Pub.(pg ao.2-	ı. / J" o E	
4	Z020	1	1	Functional Grammar : Common Errors	ob*cfive€*oeW Englisb,Functional Eng,Fo Teeb.Stu. Himataya Pub.(J		
5	t3-18 Jsn 202fI	I	ï	Functional Grammar : Common Errors	Functional Eng.For Tech. Hinialaya Pub.tpg no.10 t10,113-129)		
7	27-1 Feb 2020	2		Functional Grammsr: Transformatioti of Sentences	Functional Eng.For Tec Himalaya Pub.(pg no.t3		
\$	3-7 Feb 2020	2	l 3	Formal Correspondence (A): Business LetterstCopmptaint,Notiees,Circutats,Memos)	Functional Eng.For Te Himalaya Pub.{pg no.l		





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



COEW	Department of	Mechanica	Enge 10	20	to the state of th		Date: 16 / 12 /	2019-20
9	10-14 Feb 2020			Sessional I (10 Fe	the state of the state of the state of			
u	24—29 Feb 2020	2	4	FormtRl CoCC9spttttttence (A}: Business 1.etters(Copmpl nint,Ü otlces.Circnlars,hlenins)	Functionui Enq. For Tel h-St0- it imara a P•h (rg •• re	25/2		
12	2-7 March2 020	2	4	\5'riting Résume, fntewie»' "rechniqu e,E-mail etiquettes	no.111-112,145-178)	13/3,5/8		
13	9-15 March 2020	2	4	Format Correspondeece (B): Teclinical Report wr	Functinnal Emg.For TflCh.Stu.	913		
14	16-21 March	2	4	Fnrmzl Correspondence (B): Technical Report wriling	Himai»ya Pub.tpg °.t8o-2A7i	12/3		
15	23-27 March 2020	2	4	Analytical comprehension: (fictional ,non-factional unseen test)	Analytical coppr'ghensi on Functional Eng.For Tecb.Stu. Himalaya Pub tpg no 144-178)	21/3		
16	30-31 March 2020	2	4	Features of Technical and Scientific writing	Features of Technical and Scientific writing,Functiona Eng.For Tech.Stu. Himalay Pub (pg no.179-215)			

&





Maharsh Karve Stree Shikshan Samstl j's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference

Cummins

CCOEW/ETC / 19-20

Oate: 16/12/20'19

LESSON & TEACHING PLAN for Digital Image Processing

				Departmentof	Electronics an	d Tele Communi	cation			
Faculty	Name: Rucl	ha C Khar	ndałkar					Year: 2	019-2020	Sem: VIII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name& Subtoplc	Activity/ Teaching Aid	Reference Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	utorial Date	HOO's slgri
1	16-Z1 Dec	6		Digital image Fundamentals:- Components of Image Processing System,Image Sensing and Acquisition, Spatial and Gray Level Resolution	lyain Lacunia quections	Digital Image Pracessingby	,	16/12/19 tus 21/12/19		
2	2J-28 Dec	4	1	Basic Relationshipsbetween Pixels, Statistical parameters, Measures and their significance/Mean, Standard deviation, variance, SNR, PSNR etc.	1	Gonza(ez & woods pg23-121		23/12/19 the 27/12/19		
3	30 Dec-4 Jan	6)))	Image Transforms:2D-DFT, FFT, DCT, the KL Transform, Walsh/Hadamard7ransf0Ff71;bg9* Transform, slant Transform, B2SiCs of wavelet t/ansform.	Numerical 1959 gneetions	k. Janpg[132-	}	30/12/19 to 31/1/20	20	

Orcha

HOD



WEEK No.	Week	No. Of Lect.	Unit No.		Activity/ Teaching Aid	Reference Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T	HOD's sign
4	6-11 Jan	5	R	Image Enhancement:- Enhancement in Spatial Domain: basic gray level transformations, histogram processing, equalization, Arithmetic and locical operations between images, Basics of spatial filtering, smoothenine and sharoenino snntiol	beain	Digital Image Processing by	Stideshaue	18/200	D C	
5	13-18 Jan	5		Image Enhancementin frequency Domain: smoothening and sharpening frequency domain filters, Fundamental of color image processing: color models, RGB, CMY, YIQL HIS,	questions	Gonzales & woods pg126-187		Assigna	lia	
6	2D-Z5 Jan				_	Anannya 2K19				
	27 Jan-1 Feb		II	Pseudo Color Image processing thrensity filtering, gray level to color transformation, Basics of full color, image processing.		Digital Image				
g	3W£eb	S		Image Coding and Compression:- Image Coding Fundamentals,Image Compression Model, fundamentals redundancy: coding, interpixel, psychovisual,fidelity criteria,		Processing by Gonzalez &w oo pg23-121	ds	3 b)	2,4000	
9 1	.M14feb					Sessional I			70 - xx - xx	76

Jua in Charee HOD



No.	Week	No. Of	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Reference Book - Chapter no .Pag e no edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
10	17-11Feb	4	ıv	B8SC compression methods Error Free Compression - variable length, bit plane, LZW arithmetic Lossless Predictive, Lossy Compression- Lossy Predictive. Fundamentals of JPEG, MPEG, fractals.		Digital 1mage Processing by		3/2/1	26	
11	24 Feb-Z9 Feb	6		Basic compression methods Error Free Compression – variable length, bit plane, LZW arithmetic Loss\ess Predict\ve, 'Lossy Compression- Lossy Predictive. Fundamentals of JPEG, MPEG, fractals.		Gonzalez & woods pgS47-626		4/2	Tan a	
12	2-7Mar	6		Image Analysis-Segmentation: Point, line, Hough Transform, Edge detection, Boundary detection and Thersholding, Region Based segmentation.			14/3/2020			
13	9-14Mat	4	v	Representation Description Boundary representation by chain codes, signature & skeleton Boundarydescriptors, shape number FOUrier descriptors Basics of Regional descriptor boundary representation by chain codes and B splices, Hough Transform,		Digital Imag Processing b GOnzale2 & wO pg649-698	y \			
14	16-21 Mar	6		MorphologicalImage ProEessing: Dilation, Erosion, Opening, Closing Binay Images	on					

Faculty in Charge

8 HOD



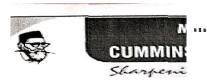
No.	Week	Lect.	No.	Exact Topic Name Subtopic	Activity/ Teaching Aid	C¥sâptey no, pggg	ICT tools	Completion	Assignment/T	HOD's sign
15	23-28 Mar	4	÷	IM^@6 Yes10rat)On and reconstruction\- tW0ge Oegradation Mode, Noise tVtodes, and Restoration jn Presence c Noise in Spatial DOmüin.		Digital)mage				
16	30 Mar-4 Apri	2	VI	Inese Filtering, wiener filtering, Introduction to Image reconstruct tram projections applications of image Processing.	ion	Processing by Gonzalez & wood pg8B3-926	s			

raculty in Charge

Son

HO/f









CCOEW/ETC / 19-Z020

Date: 1G / 01 / 2020

LESSON & TEACHING PLAN for COMPUTER COMMUNICATION NEJWORK

Department of EleEtronics and Tele Communication

Faculty Name: Abhishek Baseshankar Year: 2019-2020 Sem: VIII

WEE	week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chaptes no. Page no,edition. No	ICT +OOI5	Cömp\etion oate	Assignment/Y utorial Oate	HOo's sign
1	16-21Det	8		Uses of computer Network, Network Software-design tssues for layers Service primitives and relationship of		Andrew		2) re		
2	Z3-28 Dec	6	ı	services to Protocols, Reference models- OSE&TCP//P		Teneobaum, "Computer Networks", 4th	https://www.Youtube.c /watch?v=LX_b2M3IzN			
3	30 Dec-4 Jan	4		network architectures introduction, Example of networks-X.25, Frame Relay & ATM, Protocols and Standards		Edition, Pearson Education		They) •	
4	6-11 Jan	6	11	Physical layer-Datarate limits, Transmissionmedia-guided and Unguided, Switching systems-Circuit switching	Visit to BSN	Andrew Tenenbaum, "Computer Networks", 4th Edition, Pearson Education	https:/fwww.Youtube.C m/watch?v=_R4ktl-IXmA	F È ^{№1}		
5	13-18Jan	5	II	Datagram Switching & Visual cirC 't switching, Structure of circUit and	Visitto BSN	Andrew Tenenbaum,	https:// <u>www.youtube</u> m/W?ttchîV= <i>G</i> ROsbNImb		Ken	

20-25 Jan Anannya 2020

r»culty in arga

ا



WEEK No.	Week	No. Of Lect.	Unh No.	Exart TopiC Name & Subto(slc	Activity/ Cha	rence Book - ptar no. PaBe ,edItion, No	ICT tools	Completion Date	Assignment/ utoriai Date	HOD's sign
7	27Jan-1 Feb	6	{{\cdot\}{	SONET basics, rejection of IIII std 802.11,a,b,c,g, Data Islk layer: Framing, 'low A Error control Protocols, HDLC, 'PP	Ne Ec	Andrew enenbaum, "C omputer etworks", 4th dition, Pearson Education		Theb	(30
8	3-8 Feb	5	II)	Multiple access techniques, random access, controlled access & Channelization, Ethernet types-bridged, Switched, Full duplex, Fast & gigabit Ethernet, Introduction to Oata link layer in 802.11 LAN	Cor Net Cdit	Andrew nenbaum, " nputer works", 4th tion, Pearson cation		Blep	05] 02 ANT 05	32
9	10-15 Feb					S	essional I			
10	17-21 Web	6	00	Connecting devices like passive hubs, repeaters, Active hubs, Bridges, Two-layer Switches, Routers, three layer switches, Gateway etc., Backbone networks, Virtual LANs, Simple Router architecture, Sliding window protocol	Visit to CON "C Lab Ne	ndrew enenbaum,' omputer etworks",4th lition, Pearson lucation			3 0	
п	24 Feb-29 Feb			IPv4 address, IPv6 address, Address mapping-ARP, RARP & DHCP, IPv4 datagram detail format, IPv6 datagram detail format, Industrial Visit)			b	
12	2-7 Mar	6)	ICMP, IGMP, Network layer issues like Delivery, forwarding, intra-domain and Inter-domain routing, Routing algorithms like Shortest path routing, Flooding	Simulation on NS2	Andrew Tenenbaum,C pqtgyp Networks", 4th Edition, Pearson		4		

Faculty in charge

нов



	_				G.	inima ni	utorial Date	HOD's sign
	9-14 Mar 4	Distance Vector Routing, Link State Routing, Path vector routing etc., Addressing tymes. Physical. Logical & port address. Process to process delivery, Connection oriented & Connectionless Transport, UDP	Simulation on					
14	1	of Service, Application layer protocols applications like Ping, FTP, telnet, ht (www.), SMTP, SNMP, Trace Troute	Demonstration	Tenenbaum, Ed2don Pearson Education				
	23-28 Mar 4	V Audio/Video,P2P file sharing, Introduction to screaming	Demonstration on Desktop PC	Tenenbaum, "Computer Networks", 4th Edition, Pearson Educatiom				
	30 Mar-04	Introduction to Cryptography, Secret key algorithm, public key algorithm, Hash Functions, basic ITU-T Recommendation - X.805 Security - Architecture, Basics of Security Requirements/Services/Dimensions, Basics of Security attacks, Basics of Security mechanisms / solutions	Demonstration	William Stallings, "computer Networks and Cryptography", 3rd				
17	30 Mar - 31 2 Mar 2	UTP Cabling for PC to PC gg,m(ritIni tion, hietwork I ifr, _rrrarak monicoring. ProtocolAnalyzer ductwork Simulaéon, internet a —— through Dialup/OSL/LepsedIñne/Mobile		edition, Pearson Education				

Faculty in**/?arge

HOD



W/ETC / 26-19





Date: 7 / 12 / 20t8

LESSON & TEACHING PLAN

				CUMMINS CO	LLEGE OF ENGINEERING FO	OR WOMEN, NAGPUR				
my Nai	ne: Prof. Sau	ırabh S. 1	Nimkar			Subject: SATELLITE COMMUNICATION		Year:	Year: 201B-19	
DENo.	Week	No. Of Lect.	Un1t	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Oate	Assignment/T utorlal Dolle	HOU's sign
	24-30 Dec	6		Introduction to Satellite Communication& Orbital Design	Shows the conventional' tubes and Satellite tubes	и и п	j	30 12-19	23-12-19	Sz.
ř	1-5 Jan	S		Two Cavity and multi cavity Klystrons Structure and working with numericals	explain with existing klystron generator in lab	Trimothy Pratt "Satellite Communication" Wiley Second Edition Unit	ppt Mooss on Safellite	4-1-20	2-1-90	Son
!	7-11 Jan	S]	Reflex Klysoons, slow-wave stricture: TWT with Numericals and Derivation	Power measurement using Reflex Klysnon with variation by practically	Number 1,2,3,4,6,7	Communication of the language of Lounced Lounding	10-1-20	8-1-20	Sa
					Anannya 2018-19		Vehiclis			
	21-25 Jan	S]	BWO(Backword wave oscillator),Magnelron oscillator and its types		Satellite and Radar Engg. By M.Kulkarni(Page no. 339- 368)		24-1-20	22-1-20	Sa

ulty in Carge

HOD OCEN



No•	Week"	No, Of Lect.	tznft No.	Exa'ct Yoplc Name & subtoplc	Acttqtty/ Teacfttng A)g	Refrertce Book apter no. Page no,edttfon. No	ICT tools	6ompletfon Date	Assignment/T utorlaf aate	HOD's sign
	4-8 March	5	III	Solid Stalc Satcllttc Det iccs.Parametric amplifiers. PU drones. Tmnsfcrrcd Electron do ices: Gunn diode.Avaltt1CllC diodc. Transit Time dox-ices Jike IMPATT, TRAPATT diodes.	Yideo Lectures	S.Y. Liao, "Satellite Devices and Circuits", Prentice Hall India,Satellite and Padar Engg, By M.KuIkafni(Page no. 369-436)				
)	I 1-16 ftlarch	6	V	Introduction of Radar Fundan1entals:Basic principis and fund mentals of Radar, block diagram of basic radar, classification, radar petformance factors	РРТ	Skolnik, "Principles of Radar Engineering", McGraw Hill Publications and Satellite and Radar Engg. By				
	18-22 March	4	V	radar range equation, factors influencing maximum range,Numericals based on Radar range Equation ,effects of noise, Pulsed radar systems.	PPT	M.Kulkarni(Page no. 513- 545)				
	? 3D March	6	VI	tennas and scanning, display methods, posing target indication, radg COffs, CA Doppler radar,FM CW phased array , appEcaâoos of radar	PPT	Skolnik, "Principles of Radar Engineering", McGraw Hil] Publications and Satellite andRadar Engg. By M.KuIkarni(Page no. 54S- 570)				

∢Ity in Charge

HOD



No. | Week | Lect. | No.

Exact Topic Name & Subtopic

suivity/ v...»., «Id

RithmaBook pier ne. Page no,editIon. No

ICT tools Completion Assignment/T atomic Sign

5 t

Saiclliie nicasøretrtcnt:
]ntroduction IO Satellite McnsUrciilclits, definition and røc.asurcnaent methods of frequency.pnis'cr, attenuation VSWR, impedance, insertion loss, dielectric constant Q of a cavity resonator, phase shift.

S.Y. Liao, "Satellite Devices and Circuits", Prentice Hall India and Satellite and Radar Engg. By M.KuIkarni(Page no. 261-296)

2-7 April Sessional II

Ityin ChargR HCD



LESSON & TEACHING PLAN

				tUVM	tns tollege of engt	NEER1NGFORVUOVEN, NAGP	UR		
Facult	/ Name: F	Prof. Jay	/a. M.6	Gadge		ubject: Microwave and ADAR Engineering	Year: 2018-19 † sen V		
WEEK No.	Week	L		Exact Topic Name & Subtopic	Activity/ Teachlng Aid	Refrence Book - Chapter no. Page no,editIon. No	ICT tools	Completion Assignment/T Date utorial Date	HOD's sign
1	16-21 Dec	S	I	Introduction of Microwave signals ,range and Tubes,High frequency limitations of conventional tubes	Shows the conventional tubes and microwave tubes			16/12/19	
2	23- 28Dec	6	f	Two Cavity and multi carity Klystrons ,Structure and working with numericals	explain with existing klystron generator in pie	S.Y. Liao, "Microwave Devices and Circuits", Prentice Hall India, Microwave and Radar Engg. By M.Kulkarni (Page no. 297 -		1/8/2	
2	30 Dec -04 Jan	4	§	Reflex Klystrons, slow-wave structure: TWT with NumeriGals and Derivation	Power measurement using Reflex Klystron with variation by practically	338)		2012 Tul	1112)
3	06-11 Jan	G	I	BWO(Backword wave oscillator),Magnetron oscillatorand its gapes		Microwave and Radar Engg. By M.KulkarnilPage no. 339-368)		J03/0/20	

Faculty in charge

нотр



No.	Week	No. O Lect.	f Unit	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
4	13-18 Jan	5	II	Intmduciion of Miemwave Componerits,Introduction to rectangular waveguide & wa eguide excitation		S.Y. Llao, "Microwave Devices and Circuits", Prentice Hall India and Microwave and Radar Engg. By M.Kulkarni(Page no. 199-260)	https://www.youtube.c om/watch?v=gIJGI8RzG MU	09/1/20		
4	20-25 Jan					Annanya				
	27 Jan - 01 Feb	6	п	Principles of S-parameters, Sparameters for multi-ports (2-port, 3- port, 4-port etc.)	РРТ	S.Y. Liao, "Microwave Devices and Circuits , Prentice FIGII India and Microwave and Radar Engg. By M.Kulkarni(Page	https:// slideserve .com/Ga bie/ cha ten four-ang Te-modulation	n , , , ,		
	03-48 Feb	5		Reflection & incident components		s.y. Liao.		27/01		
	10-14 Feb	5				5ess1onat-E				-
	Feb	5		*		Industry Visit		,		-

Faculty iE Charge

æ



No.	Week	wo. or Leet•	pinit o•	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Pago n°,ed1tlon. no	ompletion Assignment/T Date utorial Date
6	20-22 Feb	3	II	(I',,1T,I'-II planes), Directional Couplers, matched icnninalioiis	Tak\ng Read timeApplications	http://thesij.com/pape rs/rwr=/2013/sonton ber-October/CNCE- 0104530101.pdf,https:/ /www.youtube.com/w atch?v=jqlpbPseX2c	-
,	24-29 Fch	6	II	Microwave atlcnualors,Slot1ed line, Fcrrite devices, Circulatots, Isolators, gyrators.	ICT Tools tP1T)	S.Y. Liao, "Microwave Devices and Circuits", Prentice Ha\I India and Microwave and Radar Engg. By M.ku\karni(Page no. 241-260)	84/2120 Agrignmen -01 06/212022
9	2- 7March	6	11	Solid State Microway Devices, Paramet Tic amplifiers, PM diode Transferred EleGtro devices: Gunn diode, Avalanche diod Transit Time devices I IMPATT, TRAPATT diodes.	video Lecture Video Lecture	S.Y. Liao, "Microwave Devices and Circuits", Prentice Hal\ India, Microwave and Radar Engg. By M.Ku\karni{Page no. 369- 436}	12/3/201.
10	9-14 Marx h	4		Introduction of Rad Fundamentals:Bas principlés and fundamentals of Rad block diagram of bas radar, classification, performance facto	ar , PPT asic radar	Skolnik,"PTintiples of RadarEngineering", Mccra= Hitt Publications and Microwave and Radar	0612120 15/2120
Faci	ulty in	Cho	arge	2		НОД	

Hingna,
Hogper-441119

**System | Hogper-441119 | Electric |

**System | Hogper-441119 | Electri

No.	Week		t'	'*°ct Yopl" Nnmc4 St'htopc	lvi <v eacy,ing="" th="" äi<i<=""><th>Refrence Book - Chapter no Page no, edition. No</th><th>ICT tools</th><th>Completion</th><th>Assignment/T</th><th>HOD's sign</th></v>	Refrence Book - Chapter no Page no, edition. No	ICT tools	Completion	Assignment/T	HOD's sign
11	I ti-21 March	6	V	radar range equation, factors influencing maximum range,Numericals based on Radar range Equation	ТАА	Engg. By v.K	06/2/2020	Date 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2		
12	z3-zs hlorch	4	VI	itnlcnnas and scanning, displayiiiethods, moving target indieutioli, radar bCaCOnS, CW Doppler radar.FH MW phased array radars, applications of radar	РРТ	Skolnik, "Principles of Radar Engineering", McGraw Hill Publications and Microwave and Radar Engg. By M.KuIkarni(Page no. 545-570)		26/2/2	<u> </u>	
f3	30Mar- 4 Apr			Microwave measurement: Introduction to microwave measurements, definition and measurementmethods of frequency, power, attenuation VSWR, impedance, insertion loss, dielectric constant, Q ofa cavity resonator, phase shift.		S.Y. Liao, "Microwave Devices and Circuits", Prentice Hall India and Microwave and Radar Engg. By M.KuIkarnitPage no. 261-296)		05/3	24 /12/3	
15	4-9 Apr	5				Sessional II			•	•

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118. Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2018-19

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in









Maharshi Karve Stree Shikshan Samstha CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference

Cummins

CCOEW/ETC / 18-19

Date 18 / 6 / 2018

LESSON & TEACHING PLAN

				CUMMINS COLLEGE		RING FOR WOM	IEN, NAGPUR (De	pt. 07 E	T()	
Faculty	Name: Prof.	. Pallavi P	. Ganori	kar		Subject: MPMC		Academic Y	ear (2018-19)	Sem: V
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18-23 June	5		Difference between 8085 & 8086, Register Organisation,Architecture of 8086,Signal Description of	PPT		https://www.slideshare.n et/j4jiet/difference-bw- 8085-8086	1	AU	O J
				8086,Memory organisation.			https://www.slideshare.n et/poojithchowdhary/808 6-micro-processor	30/6/1	00]	AVJ
2	25-30 june	6	I	General Bus Operation, Minimum mode of 8086,Maximum mode of	Video	Advance Microprocessor ,Burchandi (Chapter No. 1,2)	https://www.youtube.co m/watch?v=foYaltN4M00	2 0 0	AUT	ĐƠI
2	23-30 June	•		8086,Architecture & description of 8088,Timing Diagram of 8088.	lectures/PDF		http://faculty.uml.edu/yl o/Teaching/Microproces orll/L04.8088MemoryInt rface.pdf	<u>s</u>	AUJ	

Faculty in Charge

HOL



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page	G .	Completion	Assignment/T	HOD's sign
3	2-7 July	6		Addressing modes, Instruction set, Programming examples, Assembler Directives.	Asignment/ Tutorial	no,edition. No	臣	Date 1247 18	utorial Date	
4	9-14 July	5		More programming examples of 8086.	Tutorial			13/7/1	8 17/18	90 90
5	16-21 July	6		Introduction to 8255 ,ADC,DAC,KEYBOARD,LED	PPT/ PDF		https://www.slideshare.n et/jineshkj/8255- 37761336		8 13/8/18	- AU
			n	&STEPPER MOTOR,Introduction to 8279.		Advance Microprocessor ,Burchandi (Chapter No. 3)	https://www.scribd.com/ doc/22683441/1- Interfacing-Stepper-Motor to-8086-Using-8255			AT
6	23-28 July	4		Different modes used in IC 8279Introduction to 8251 USART,Modes and Programming Examples of 8251.	Video lecture		https://www.youtube.co m/watch?v=nAsnr_uG2ml	28 8	18	M
7	30 July-4 August	6	v	Introduction to 8051 architecture, Pin diagram of 8051,Addressing modes,Internal & external memory,Flags,SFR	PPT	The 8051 Microcontroller and embedded systems- Mazidi	https://www.slideshare. net/chappidi_saritha/ad dressing-modes-of- 8051	11/91	18 6 19118	AU
8	6-11 August	5				Sessio	nal I	<u> </u>		
9	13-18 August	5	v	Counter and Timers,Serial communication,Interrupts,8051 instruction set	PPT	The 8051 Microcontroller and embedded systems- Mazidi	https://www.slideshare. net/Andriblovers/8051- instruction-set- 12522439	21/91	18	AU

-Astugurus HOD)



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-41118.

WEEK No.	week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
10	20-25 August	5	VI	Interfacing with keyboard and programming, Interfacing with LED matrix and 7 segment, Segment and programming	Video lecture		https://nptel.ac.in/cours es/108105102/23	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		- 0 0
11	27 August- 1 Sept	6		Interfacing of stepper motor,Generating Time,Memory mapping	Video lecture	systems- Mazidi	https://nptel.ac.in/cour es/108105102/29	5 (6)101		Bu
12	3-8 Sept	6		8087 Numeric co-processor,Block digram 8087,Pin disciption of 8087	PPT		www.eazynotes.com/i es/microprocessor/Sli s/math-co-processor- 8087.pps	de VIIII	0118	AS.
13	10-15 Sept	5	IV	Interfacing, Programming Examples of 8087	Video lecture/Tutori al	Advance Microprocessor ,Burchandi	https://www.youte e.com/watch?v=m0 DvnEJPMM	20 1 .	0118	Au
14	17-21 Sept	5	17/07 -144	8237 Architecture and interfacing, Introduction to Pentium	Video lecture/Assig ment	n	https://nptel.ac.in/cou es/106106092/26	me	0.1	A

HOL)



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.







CCOEW/Dept of ETC/2018-19

Date: 16/06/2018

-			***************************************	La	b Practi	cals Plan					
											F03/2018
		CUMMI	NS COLL	EGE OF	ENGINE	ERING F	OR WON	1EN, NAC	SPUR		
acu	lty Name: Pallavi Tanksale	Subject: 1	ирмс			for	Dep	artment: E	тс	No of Ba	tches: 2
1			Batch	#1			Batch	# 2			
Pi	Name of experiment	Planned Date	Perform Date	No. Journals received	No. of Viva done	Planned Date	Perform Date	No. Journals received	No. of Viva done	HoD's Remark	Principal
1	Study of 8086 microprocessor.	25/6/2018	2716/18	-	_	26/6/2018	27/6/18	-	-	AUT	
2	Write and execute 8086 assembly Language Programs to add two 32 bit number.	2/7/2018	917/18	11	11	3/7/2018	1017/18	09	09	25	
3	Write and execute 8086 assembly Language Programs to multiply two 16 bit numbers.	9/7/2018	16/7/18	8 11	1.1	10/7/2018	17/7/18	09	09	AU	
4	Write and execute 8086 assembly Language Programs to divide 16 bit number by 8 bit number.	16/7/2018	30[7]	18 10	10	17/7/2018	24/71	18 10	10	AU	

Faculty In-charge

4



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nappur-441118.



Sharpening Engineering Acumen with a difference



CCOEW/Dept of ETC/2018-19

Date: 16/06/2018

5	Write and execute 8086 assembly Language Programs to search a look-up table for a byte (make use of XLAT)	30/7/2018	13/8/1	8 09	09	24/7/2018	31/7/1	8 07	07	AU	
6	Write and execute 8086 assembly Language Programs to arrange the data bytes in ascending/descending order.	13/8/2018	27/8/1	8 [0	10	31/7/2018	21[8]15	3 07	ογ	DUT	
7	Write and execute 8086 assembly Language Programs to compare two strings (use String)	20/8/2018	20[8]	18 12	12	14/8/2018	1418118	10	10	AUT	
8	Interface 8255 with 8086 microprocessor and write a program to glow the alternate LED's.		3 9 18) (11	21/8/2018	28\8\	8 04	04	AU	

Faculty In-charge



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CODEN Dept of ETC 2018-19

STATES STATES OF THE STATES	Write and exerute (AS) seembly					3 11 000	r with a diffe	rince	COLUMN TO MAKE		Date:	16/06/2018
A STATE OF THE STA	positions of \$225 and the second of anothers and state anothers and state anothers and state anothers and state anothers.	392018	7	09	0	28/8/2013	8 11 19118	08	08	D VJ		mortalistic convention improducts consention approaches
	Write and execute Mile seconds imputes pregram to find smallest byte in	1092018	24/9/18	10	10	492018	18/9/18	10	10	A U7	Will the second number	
Fig.	wite 8/51 program to serially transmit the data (UART) to	1792018	F 100	06	06	11/9/2018	9/10/18	06	06	AUT		

Faculty In-change

duny as ----

6

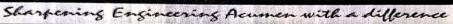
- AU



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Kolve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/ETC / 18-19

Date: 12 / 06 / 2018

LESSON & TEACHING PLAN

				Department of Elect	tronics and T	elecommunicati	on Engineering			
Faculty	Name: Prof	. Atul S. Ja	ambhulk	ar	I _A I P	Subject: Analog Circuits & Design		SEM: OD	D (2018-19)	Sem:- V (ETC)
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18/06/18 - 23/06/18	5	I	Block diagram of OP-Amp (Basic Building Blocks), Basic differential Amplifier using transistor and its operation	Forming the group of four students an asign them the name of four blocks of differntial amp.	Operational Amplifier and Applications: R. Gayakwad Page No. 1- 61	NPTEL Video and PPT	23/4/18		AUT
2	25/06/18 - 30/06/18	6	I	Basic differential Amplifier using transistor and its operation	Make any one stage of OP-Amp on bread board using transistor	Gayakwad Page No. 1- 61	NPTEL Video and PPT	3/अ/18		AUT

Faculty in Charge

Hingna,
Hogper-441119

Actinguia HOD

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtenc	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	er tools	Completion Date	Assignment/T utorial Date	HOD's sign
3	02/07/18 - 07/07/18	6	Ι	OP-Amp parameters, characteristic and Definition Ideal OP-Amp, Equivalent circuit, Voltage Transfer curve. Inv and Ninv configurations and design, concepts of virtual short and ground.	Show them the output of all circuits on Multisim	Operational Amplifier and Applications: R. Gayakwad Page No. 90-122	NPTEL Video and PPT	19/3/18	Assignment No. 01	AU
4	09/07/18 - 14/07/18	5	п	Voltage follower, Summing amplifier, scaling and averaging amplifier, Instrumentation amp and applications,Integrator and differentiators, Peak detector	Show them the output of all circuits on Multisim/ Bread board	Operational Amplifier and Applications: R. Gayakwad Page No. 90-122	NPTEL Video and PPT	31/3/18		AUT
5	16/07/18 - 21/07/18	6	п	Log and antilog amplifiers using OP-Amp & Transistor and analog multipliers.	Show them the output of all circuits on Multisim/ Bread board	Operational Amplifier and Applications: R. Gayakwad Page No.236-286	NPTEL Video and PPT	78/18		AUT
6	23/07/18 - 28/07/18	4	ш	Comparators, Schmitt trigger, Comparator IC such as LM 339,	Show them the output of all circuits on Multisim/	Operational Amplifier and Applications: R. Gayakwad Page No236-286	NPTEL Video and PPT	14/8/18	Assignment No.	AUT

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Wossen Hingan, Nappur-441118.

VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Per tools	Completion Date	Assignment/T utorial Date	HOD's sign
7	30/07/18 - 04/08/18	6	m	Clipper and Clamper, Precision Rectifier, PLL Multivibrators: Bistable, Monostable	the output of all	Operational Amplifier and Applications: R.	NPTEL Video and PPT	30/8/18		AU
8	06/08/18 - 11/08/18				D. I.	Session	nal I			
9	13/08/18 - 18/08/18	5	III	Astable multivibrator circuits using IC 555 Sample/Hold circuits, D/A (R/R) & A/D conversion circuits (SAR),	Solving numerical based on integrator and differentiat ors.	Operational Amplifier and Applications: R. Gayakwad Page No 1- 286	NPTEL Video and PPI	419/18		AUT
10	20/08/18 - 25/08/18	4	VI	Advantages of active filters, Design of Butterworth Active Filter, Design of Active filter o LPF, HPF, BPF	Show them the output of all circuits on Multisim/ Bread board	Operational Amplifier and Applications: R.	NPTEL Video and PP	7 79/15	3	AUT
11	27/08/18 - 01/09/18	6	VI	1st order, 2nd and higher orde (up to 6th order) Butterworth filter.Design of Relay driver circuit,	At all	Operational Amplifier and Applications: R	. NPTEL Video and I	PPT 14/9	118	AU[

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T	HOD's sign
12	03/09/18 - 08/09/18	5	v	Design of stepper motor, De servo motor control circuit OPAMP based Wein Bridge and Phase Shift oscillators, Transistorized Hartley, Colpitts & Crystal oscillators	Show them the output of all circuits on Multisim/ Bread board	Monograph on Electrouit circuit Design: Goyal & Khetan.	NPTEL Video and PPT	21/91/8		M
13	10/09/18 - 15/09/18	5	v	Evaluation of figure of merit for all above oscillator circuits. Design of function generators	solving numericals on different circuits	Monograph on Electronic circuit Design: Goyal & Khetan.	NPTEL Video and PPT	sf16/18		AUT
14	17/09/18 - 22/09/18	5	IV	Unregulated D.C. power supply system with rectifiers and filtersDesign of series voltage, regulators, Design of regulators using IC 78×× and 79××, protection circuits for regulators, Design of SMPS	solving	Monograph on Electronic circuit Design: Goyal & Khetan.	NPTEL Video and PPI	11)78/79		AU
15	25/09/18 - 29/09/18					Sessio	nal II			

callege of F.

HOD

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingan, Nappur-44110.



Maharshi / srve Stree Shikshan Samstha) CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/ETC / 18-19

Date: 8/ 6/ 2018

LESSON & TEACHING PLAN for MEMS and SoC

				Department o	f Electronics	and Telecommu	nication			
Faculty	Name: Prof	f. Pallavi (Sanorkar					Year :	2018-19	Sem:- VII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18-23 June	5		Embedded system workshop		EAST AND AND AND AND AND AND AND AND AND AND				AUT
2	25-30 June	6	I	Benefits of Miniaturization, Types of MEMS: Optical MEMS, Bio- MEMS,	PPT	"MEMs & Microsystem Design and Manufacture", Tai- Ran Hsu	https://compliantmech anisms.byu.edu/conten t/introduction- microelectromechanical- systems-mems	301118		AU]
3	2-7 July	6		RF- MEMS, Microfludics, Success Stories, Pressure sensor,	PPT	" Micro and Smart Systems", Ananthasuresh, G. K., Vinoy, K. J., Gopalakrishnan, S., Bhat, K. N., and Aatre V.K	https://www.elveflow. com/microfluidic- tutorials/microfluidic- reviews-and- tutorials/microfluidics- and-microfluidic-device a-review/	101718	5/7118	AUT
4	9-14 July	5	I,II	Accelerometer, Micro-mirror TV Projector, Integrated Circuit Processes,	PPT/ Duster example	" Micro and Smart Systems", Ananthasuresh, G K., Vinoy, K. J., Gopalakrishnan, S., Bhat, K. N., and Aatre V.K	https://compliantmech	10171	8	AUI

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stres Shiksshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

EEK le.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
5	16-21 July	6		Bulk Micromachining. Surface LIGA process , wet & dry etching processes	PPT	MEMs & Microsystem Design and Manufacture". Tai- Ran Hsu	https://www.slideshar e.net/aman1312/liga- process-70140147	18/7/18		AUT)
6	23-28 July	4		Device fabrication using Surface Micromachining example. Microcantilever fabrication		"MEMs & Microsystem Design and Manufacture". Tai Ran Hsu	http://shodhganga.infl bnet.ac.in/bitstream/10 603/159931/11/11_cha pter%205.pdf	1	18	2 8)
7	30 july-4 Aug	6	ш	Basic concepts of cellular biology, chemical sensors, molecule based sensors, cell based biosensors	PPT	" Micro and Smart Systems", Ananthasuresh. G K., Vinoy, K. J., Gopalakrishnan, S., Bhat, K. N., and Aatre V.K			18	AT
8	6-11 August	5	Translitting Co.			Session	onal I			
9	13-18 August	5	II	Chemical actuators, biological transducers and electrophoresis, optical transducers	PPT	" Micro and Sma Systems", Ananthasuresh, K., Vinoy, K. J Gopalakrishna	electromechanical- system-mems	2 8	18	AU)
10	20-25 August	5		Thermal transducers, magnetic transducers, RF transducers	PDF	S., Bhat, K. N and Aatre V.I	MANAY IRRC LIDER RS		3/18/17/8/	18 AU
11	1 27 Aug-1 Sep	6	17	Capacitors, inductors, switches antennans	PDF/PP	Т	scme- nm.org/files/MNT_2 _MEMS_componen df	011 ts.p 281	8/18	A



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/	Refrence Book -	6	Completion		
200		1	Other RF MEMS components in	. caching Aid	no,edition. No	ICT tools	Date		HOD's sign
3-8 Sep	6	IV, V	applications, overview of Mechanical	PDF/PPT	RF MEMS and		2.1.1		
0-15 Sen	5	37 377	Types of packaging in MEMS Lauri	-	Vijay Varadan,	df	31/8/	18	DV)
Т		v,vı	of packaging, case studies. Design of SoC	PPT	Jose	https://www.slideshare.net/Prasanna3804/mem		2 1412110	A.
			Microsystem technology and						100
7-21 Sep	5	VI	applications, core architecture for digital media and associated	PPT		I TOO TO TO TO TO TO TO			90
			rechinques			MST_and_ME	18/9/1	8	100
	3-8 Sep 0-15 Sep 7-21 Sep	3-8 Sep 6 0-15 Sep 5	3-8 Sep 6 IV, V 0-15 Sep 5 V,VI	3-8 Sep 6 IV, V Other RF MEMS components in communications, space and defense applications, overview of Mechanical packaging of MEMS Types of packaging in MEMS, Levels of packaging, case studies, Design of SoC Microsystem technology and applications, core architecture for	3-8 Sep 6 IV, V Other RF MEMS components in communications, space and defense applications, overview of Mechanical packaging of MEMS Types of packaging in MEMS. Levels of packaging, case studies, Design of SoC Microsystem technology and applications, core architecture for digital media and associated	3-8 Sep 6 IV, V Other RF MEMS components in communications, space and defense applications, overview of Mechanical packaging of MEMS Types of packaging in MEMS, Levels of packaging, case studies, Design of SoC Microsystem technology and applications, core architecture for digital media and associated Refrence Book Chapter no. Page no, edition. No RF MEMS and their applications. Vijay Varadan, K.J.Vinoy, K.A. Jose O-15 Sep 5 V,VI Other RF MEMS components in PDF/PPT RF MEMS and their applications. Vijay Varadan, K.J.Vinoy, K.A. Jose PPT Microsystem technology and applications, core architecture for digital media and associated	3-8 Sep 6 IV, V Other RF MEMS components in communications, space and defense applications, overview of Mechanical packaging of MEMS Types of packaging in MEMS, Levels of packaging, case studies, Design of SoC Microsystem technology and applications, core architecture for digital media and associated compilation technology Activity/ Teaching Aid Chapter no. Page no, edition. No PDF/PPT RF MEMS and their applications. Ujay Varadan, K.J.Vinoy, K.A. Jose Nigy Varadan, K.J.Vinoy, K.A. Jose Nittps://www.slideshare.net/Prasanna3804/mem s-60989956 https://www.researchga.e.net//259404853_Microsystems_technology	3-8 Sep 6 IV, V Other RF MEMS components in communications, space and defense applications, overview of Mechanical packaging of MEMS Types of packaging in MEMS, Levels of packaging, case studies, Design of SoC Microsystem technology and applications, core architecture for digital media and associated compilation techniques Activity/ Teaching Aid Chapter no, Page no,edition. No PDF/PPT RF MEMS and their applications: Vijay Varadan, K.J.Vinoy, K.A. Jose of packaging, case studies, Design of SoC Microsystem technology and applications, core architecture for digital media and associated compilation techniques PPT Activity/ Teaching Aid Chapter no, Page no,edition. No Scme-nm org/files/MNT_2011 MEMS_components p df Mttps://www.slideshare net/Prasanna3804/mem s-60989956 https://www.researchgat e.net//259404853_Microsystems_technology well-filested for compilation techniques	3-8 Sep 6 IV, V Other RF MEMS components in communications, space and defense applications, overview of Mechanical packaging of MEMS Types of packaging in MEMS. Levels of packaging, case studies, Design of SoC Microsystem technology and applications, core architecture for digital media and associated compilation techniques Activity/ Teaching Aid Reference Book Chapter no. Page no, edition. No Scmenn org/files/MNT_2011 MEMS_components p of Silvanta and their applications: Vijay Varadan, K.J.Vinoy, K.A. Jose NITYPES of packaging in MEMS. Levels of packaging, case studies, Design of SoC Microsystem technology and applications, core architecture for digital media and associated compilation techniques NITYPES of packaging in MEMS. Levels of packaging, case studies, Design of SoC Microsystem technology and applications, core architecture for digital media and associated compilation techniques NITYPES of packaging in MEMS. Levels of packaging in MEMS. Leve

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-44110.



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Acumen with a difference



CCDEW/ETC / 18-19

Date: 13 / 96 / 2018

LESSON & TEACHING PLAN

-	Name: Prof.	true M	Gaden			Subject: VLSI Signal Processing		Year: 2	018-19	Sem:-VII
WEEK No.	Week	No. Of Lect.	Unit.	Exact Topic Name & Subtopic		Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completio n Date	Assignment /Tutorial Date	HOO's sign
1	18- 25June	6		Bridge Course						
2	26- 30June	5	I	used in DSP	video lecture, Eplain by concept of cascading for pipelining and repetation of circuits in parallel processing	VLSI Signal processing & Implementation b	https://www.youtube. gm/watch?v=prPhbwh d2FM		1	AUT
3	2-7Jul	у 6	1	Fine grain pipelining, Introduction of Parailel Processing, Designing a parailel FiR Filter, Numerical based or Parailel Processing	Video lectures	Keshab Parhi,chapter no.3,page no. 63 88	herror Hannes vontal			ACT

College of Englinee Hingna, Hogper-441119 =

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

MIL.	That	No. Of Lock.	SMA.	Court Supri, Name & Saldrage's	Actional Transmig tell	nc. Tage tocallition. No	K2 lasts	n Bate Bate	HOSTI HIST
	9-14 July	5	1	reposing processing for low power parallel processing for low power Cambridge processing for low reason Number and CD.	Video lectures		totas Dienes auctobe molecular de Debous 22	12 Hz	AII
3	to-21 July		п	Retining Introduction Deli- sition and properties and ing system of inequalities (T) retining techniques.	eri	VLSI Signal processing & implementation to Kestvin	manufaction of the second of t		ลสา
	23-28 July		п	retining & retining & Pipelining Retining for chick minimization Retining for	Video lectures	Budd display.	https://www.ets/h am/vets/ho.jest 1952	15 is o	ROME PHOTO
7	3H July 4 Aug		111	Unfolding-	VIOLE SICTIONS	VLSI Signal processing & implementation feshab Partii chapter no.5.px no.119-147	United Street	ALC: N	raise of the
,	6-11As	g 5				Sessional I			
*	13-18 Aug		11	unfelding and petining Application of Unfelding Numericals		in		3,10	18



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Curnmins College of Engineering for Women Hingna, Nagpur-41118.

WEE No.	Most	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Cha			l Acci	
	20.25			Introduction	, readining Aid	no. Page no,edition. No	ICT tools	Completio n Date	Assignment /Tutorial Date	HOD's sign
10	20-25 Aug	4	IV		each and individual student solve the steps of numericals in board	VLSI by Keshab		1219		AJ
11	27Aug - 1Sep	6	IV	Registration minimization in folded Architecture, Folding in Multirate systems, Examples (T)	Problem solving in groups	parhi,chapter no.6,page no.149 -186			18810mmer 22/9/18	P-J
12	3-8 Sep	5	V	Fast Convolution:Introduction,C ook- Toom algorithm,Numericals (T)	ICT TOOL (PDF File/PPT)	VLSI Signal processing & Implementation by	http://people.ece.umn. edu/users/parhi/SLIDES/ chap8.pdf	5100		AU
13	10-15 Sep	5	v	Modified Cook-Toom algorithm,Winogard algorithm		Keshab Parhi chp.8,page no.237-243	http://people.ece.umn. edu/users/parhi/SLIDES/ chap8.pdf	(6)		AN
14	17-22 Sep	5	VI	Iterated convolution, Cyclic Convolution Design of Fast Convolution Algorithm by Inspection, Numericals (T)	, i	Keshab Parhi .chp.8	http://people.ece.umn. edu/users/parhi/SLIDES/ chap8.pdf	15/10	,	AUI
5	25-29 Sep	5				Sessional II		4		

Almoned S HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ETC / 18-19

Date: 13 / 06 / 2018

LESSON & TEACHING PLAN

				CUMMINS COLLEG	E OF ENGINEERING FOR W	OMEN, NAGPUR				
aculty Nan	ne: Prof. Jay	a. M.Gad	dge			Subject: Communication Electronics		Year:	2018-19	Sem:-V
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment /Tutorial Date	HOD's sign
1	18- 25June							000		
2	26- 30June	4	I	Baseband and carrier communication,Induction of amplitude modulation,Equation of Amplitude modulation	Explain by taking example of Bus and pessangers and PPT		https://www.slidest are.net/priyankama hur56829/modulati n-42387919	ıt		101
2	2-7Jul	y 6	I	Generation of AM(DSBFC) and its spectrum, Modulation index, power relations applied to sinusoidal signals	Explain with the help of sideband information	Electronics communication by Kennedy & Davis ,Chapter no.4.Pg.no43-5	1	2916		<u>no1</u>
3	9-14 July	1 5	I	DSB-SC multiplier modulator,Non-linear generation,switching modulator,Ring modulator and its spectrum	By examples of applications	Electronics communication by Kennedy & Davis ,Chapter no.4.Pg.no56-	parison%20of9	/com /20m	517], 717	De!

Faculty to Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

EEK No.	Week	No. Of Lect.	Unit No.	2012/13/2015	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion	Assignment /Tutorial Date	HOD's sign
4	16-21 July	6	I		SSBSC,ISB & VSB, their generation methods & Comparision,AM Broadcast technical standards	Assignment, Video lectures	Electronics communication by Kennedy & Davis ,Chapter no.4.Pg.no64-73	https://www.yout e.com/watch?v=q 8RzGMU			DUT
5	23-28 July	4	7	ı	Concept of Angle modulation, Types of Angle modulation, frequency spectrum	PPT	Electronics communication by Kennedy & Davis ,Chapter no.5.Pg.no80-85	pter-four-angle-	ese ado		AUT
6	30 Jul 4 Au		•	п	Narrow band & wide band FM,Bessel's function and its mathematical anaylisisGeneration of FM(Direct & Indirect Method) ,Comparison of FM and PM	Explain Bessel functions with applications like oscillations in signals with respect to modulation index ,referring pdf ,Vide lectures	Chapter no.5.Pg.no90-1	0104530101.pd	3/Se E- if,htt ube.c	300 300	1-
		+	-				Sessional I		11		
8	6-114	Lug	5	v	Block diagram of AM & FM Receiver,Superhetrodyne Receiver,Performance characteristics:Sensitivity,Selectivity	ICT Tools (PPT)	Electronics communical by Kennedy & Davis ,Chapter no.6.Pg.no1 176	https://slide	33750/	7 617	AE
	13-18 Aug	8		L			HOD				

College of Englines.

Hingma,
Hogper-441118

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-41118.

/EEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment /Tutorial Date	HOD's sign
9	20-25 Aug	4	v	Fidelity,Image Frequency rejection(IFRR),Pre-emphasis & De- emphasis,AM Detection: Rectifier detection,Envelope detection	Video Lectures	Electronics communication by Kennedy & Davis ,Chapter no.6.Pg.no119- 176	https://www.youtu e.com/watch?v=ab; hnRYeA2s			Auf
10	27Aug - 1Sep	6	v	Demodulation of DSBSC: Synchronous detection, Demodulation of SSBSC: FM detection using PLL and Foster Selly detection method	РРТ	Electronics communication by Kennedy & Davis ,Chapter no.6.Pg.no119- 176	https://slideplayer om/slide/8723181	17/13		AUT
11	3-8 Sep	5	III	Bandlimited and time limited signals, Narrowband signals and system, Sampling theorem in time domain, Nyquist criteria, Types of sampling , Aliasing and Aperture effect	PPT	Electronics communication by Kennedy & Davis ,Chapter no.13.Pg.no485	are.net/heringala kyboy/pulse-			AUT
12	10-15 Se	p 5	III	Pulse Analog Modulation: PAM,PWM,PPM,Broadband Communication Links and Multiplexing: FDM,PCM-Generation and reconstruction ,Bandwidth requirement of PCM,Delta Modulation & Adaptive DM	РРТ	Electronics communicati by Kennedy & Davis ,Chapter no.13.Pg.no4: 499			19 111	819m

College of Enginee Hingma, Hogper-441118

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

EEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment /Tutorial Date	HOD's sign
13	17-22 Sep	5	IV	Frequency spectrum of electromagnetic waves, Noise and their types: White Noise, Thermal Noise, Shot Noise, partition Noise, flicker noise, burst noise, avelanche noise, SNR of tandem connection , Numericals based on S/N ratio and Noise figure , Noise temperature, Friss formula for Noise figure, Noise Bandwidth, noise figure and calculation of Noise Figure , S/N ratio	By giving examples of different field in which noise is produced like industries,component ,trees,sunrays etc.	Electronics communication by Kennedy & Davis ,Chapter no.2.Pg.no15-30		1219		AUT
14	25-29 S	ер 5	v	Broadband Communication System:Multiplexing: FDM,Time Division Multiplexing,Code Division Multiplexing,Short and medium haul system: Coaxial cables,Fiber optic links,Microwave links,Tropospheric Scatter links,Long Haul Systems: Submarine cables	PPT	Electronics communication by Kennedy & Davis ,Chapter no.15.Pg.no56	https://en.v	i/Tele tion		3 19118 19118
15	-	+	+			Sessional II			- 173	chlater.

HOD

Kingna,
Hogper-44111e

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.



Maharshi (Lirve Stree Shikshan Samsthi) CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/ETC / 18-19

Date: 12 / 06 / 2018

LESSON & TEACHING PLAN

	lag' jun		Department of Ele	ctronics and Te	lecommunication	Engineering			
Name: Prof	. Atul S. Ja	mbhulka	ar		Subject: Television & Video Engg.		SEM: ODD (2018-19)		Sem:- VII (ETC)
Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOC's sign
18/06/18 - 23/06/18	5		Final Year Workshop						
25/06/18 - 30/06/18		I	Introduction of subject, Factors of TV systems, Composite video signal, signal transmission and channel bandwidth etc, color TV systems,	Internal stucture of color TV and	Monochrome and colour Telvision by R.R.Gulathi,page	NPTEL Video and PPT	041918		AUT
02/07/18 - 07/07/18	6	I	color fundamentals, mixing of colours, color perceptions, Chromiticity diagram	of loudspeaker.	colour Telvision by	NPTEL Video and PPI	11/0/11		AUT
	Week 18/06/18 - 23/06/18 25/06/18 - 30/06/18	Week No. Of lect. 18/06/18 - 5 25/06/18 - 6	Week No. Of Lect. No. 18/06/18 - 5 25/06/18 - 6 I 02/07/18 - 6 I	Name: Prof. Atul S. Jambhulkar Week No. Of Lect. No. Exact Topic Name & Subtopic 18/06/18 - 5 Final Year Workshop Introduction of subject, Factors of TV systems, Composite video signal, signal transmission and channel bandwidth etc, color TV systems, OZ/07/18 - 6 I color fundamentals, mixing of colours, color perceptions,	Name: Prof. Atul S. Jambhulkar Week No. Of Lect. No. Exact Topic Name & Subtopic Activity/ Teaching Aid 18/06/18 - 5 Final Year Workshop Showing them Internal Stucture of Color TV systems, Composite video signal, signal transmission and channel bandwidth etc, color TV systems, TV 02/07/18 - 6 I color fundamentals, mixing of Colours, color perceptions, Chromiticity diagram Fault finding of loudspeaker. display, pane	Name: Prof. Atul S. Jambhulkar Week No. Of Lect. No. Exact Topic Name & Subtopic Final Year Workshop Introduction of subject, Factors of TV systems, Composite video signal, signal transmission and channel bandwidth etc, color TV and monochrome TV systems, TV Tault finding of loudspeaker, display, panel Color fundamentals, mixing of colours, color perceptions, Chromiticity diagram Subject: Television & Video Engs. Reference Book-Chapter no. Page no, edition. No Showing them Internal structure of color TV and monochrome and colour Telvision by R.R.Gulathi,page no. 8 to 49 Reference Book-Chapter no. Page no, edition. No Showing them Internal structure of color TV and monochrome and colour Telvision by R.R.Gulathi,page no. 8 to 49 Reference Book-Chapter no. Page no, edition. No Showing them Internal structure of colour Telvision by R.R.Gulathi,page no. 8 to 49	Name: Prof. Atul S. Jambhulkar Week No. Of Lect. Unit No. Exact Topic Name & Subtopic Activity/ Teaching Aid Referce Book-Chapter no. Page no,edition. No 18/06/18 5 Final Year Workshop Introduction of subject, Factors of TV systems, Composite video signal, signal transmission and channel bandwidth etc, color TV and channel bandwidth etc, color TV and monochro-me TV systems, O2/07/18 - 6 I color fundamentals, mixing of colours, color perceptions, Chromiticity diagram O2/07/18 - 6 I color fundamentals, mixing of loudspeaker. display, panel board. NPTEL Video and PPI NPTEL Vid	Name: Prof. Atul S. Jambhulkar Subject: Television & Video Engg. SEM: ODI	Name: Prof. Atul S. Jambhulkar Subject: Television & Video Engg. SEM: ODD (2018-19)

Faculty in Charge

College of Enginee Hingna, Hogper-441118

Dr. Milind Khanapurkar Principal Maharshi Karve Stres Shikshan Sanstha's Cunmins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Ald	Refrence Book - Chapter no, Page no,edition, No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
4	09/07/18 - 14/07/18	5	n	NTSC, PAL, SECAM systems, color TV transmitters, high level, low level transmitters	Showing them NTSC and PAL receiver in Lab	Monochrome and colour Telvision by R.R.Gulathi,page no. 54 to 106	NPTEL Video and PPT	1अल्डो	Mer J	AUT
5	16/07/18 - 21/07/18	6	n	colour TV receivers, remote control, antennas for transmission, TV alignment and fault finding with wobbuloscope	Show them all antennas in UHF lab along TV remote control	Monochrome and colour Telvision by R.R.Gulathi,page no. 54 to 106	NPTEL Video and PP	TKIOC T	18	AUT
6	23 97/18 - 28/07/18	4	ш	Introduction to digital TV, principal of digital TV, Digital TV signals and parameters, Digital TV transmitters, MAC signals, advanced MAC signal transmission,	Show them th video of manufacturin of digital TV (LED TV)	and colour g Telvision by	to the latest and the	PT 31/0°	tie	AUT
7	30/07/18 - 04/08/18	6	III	digital TV receivers, basic principal of digital video compression techniques,MPEG1, MPEG2 MPEG4, video compression ITU- standards, Digital TV recording techniques	n chroma secti	and colour Telvision by	y NPTEL Video and	PPT 0 4\1	18/18	AUT
acu	lty in Ch	arge		recording techniques			HOD HOD			



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Sut Pic	Activity/ Teaching	Refrence Book - Chapter no. Page	ICT tools	Completion Date	Assignment/T	HOD's sign
8	06/08/18 - 11/08/18					Sessional	11	Date	utorial Date	
9	13/08/18 - 18/08/18	5	īv	HDTV standards and systems, HDTV transmitter and receiver/ encoder, digital TV satellite system, video on demand	Show them the video of working of HDTV transmitter and receiver, Show them the video of how digital TV satellite system works	R.R.Gulathi,pa ge no. 182to	NPTEL Video and PPI	18/म्ब्री	3	Aur
10	20/08/18 - 25/08/18	4	IV	CCTV, CATV, direct to home TV, set top box with recording facility, conditional access system, 3D system, digital broadcasting	Show them the	Monochrome and colour Telvision by R.R.Gulathi,pa ge no. 182to 218	NPTEL Video and PP	7 24/08	Us Assigni	real AUT
11	27/08/18 - 01/09/18	6	v	IP audio and video, IPTV systems, mobile TV system video transmission in 3G, video transmission in 3G,personal video recorders	Show them the video of IPT systems	lelvicion by	a NPTEL Video and F	DPT 03/0	9/18	Aut

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingan, Nappur-441118.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Sub-spic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
12	03/09/18 - 08/09/18	5	v	wi-fi audio/video transmitters and recivers, video projectors, HD video projectors, video intercom systems/ video door phones, iPod (MPEG 4 video player)	Show them video of projectors, HD projectors, intercom systems	Monochrome and colour Telvision by R.R.Gulathi,pa ge no. 182to 220	NPTEL Video and PPT	06/09/15	6	AUT
13	10/09/18 - 15/09/18	5	VI	Colour TV Digital cameras,camcorders, handycam, digicams,display devices, LED, LCDTFT	Show them video of cameras, camcorders, digicams, LED TV, LCD TV	Monochrome and colour Telvision by R.R.Gulathi,pa ge no. 220 to 324	NPTEL Video and PP	T 14/89)	18 Assignment	M AV
14	17/09/18 - 22/09/18	5	VI	plasma, HDTV, CD/DVD player,MP3 player, blue ray DVD players, MPEG, MP3		Monochrome and colour Telvision by R.R.Gulathi,pa ge no. 220 to 324		1 / 1/09	18	AUT
15	25/09/18 - 29/09/18					Sessio	nal II			

124/18

Faculty in Charge

Astropina) HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha



CCOEW/ETC / 18-19

Date: / / 2018

LESSON & TEACHING PLAN

				CUMMINS COLLEGE OF	ENGINEERI	NG FOR WOMEN, N	AGPUR			
aculty	ulty Name: Prof. Amit G. Fulsunge					Subject: <u>Advanced Digital</u> System Design		SEM <u>VII</u>	Sem:- <u>ODD</u>	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18/06/18 to 23/06/18	5		Final Year Workshop		Annual Control				
2	25/06/18 to 30/06/18	6	I	Introduction of Digital System Design, Device technologies, System representation, Levels of abstraction,	Handson o	VHDL Modular Design and Cores	NOTEL Video 8			
3	02/07/18 to 07/07/18	6	I	Development tasks and EDA software, Development flow, Hardware description language VHDL in development flow, Basic VHDL concepts.	Xilimx ISI EDA too	E and system by	NPTEL Video & ppt			

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Worsen Hingna, Nagpur-441118.

No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
4	09/07/18 to 14/07/18	6	п	BASIC LANGUAGE CONSTRUCTS OF VHDL: Skeleton/syntax of VHDL program, elements and program format, Objects, Data type and operators,	Designing a	VHDL Synthesis - J Bhasker ,& VHDL: programming by Example Douglas L.Perry				
5	16/07/18 to 21/07/18	5	п	Concurrent Signal Assignment, Combinational versus sequential circuits, Signal vs Variable, Signal assignment statements, conditional signal assignment,	simple digital system/ component and Simulating on Xilinx	VHDL by S.S.Limaye	NPTEL Video & ppt	&		
6	23/07/18 to 28/07/18	4	ш	Selected signal assignment, Conditional versus selected signal assignment statements.Functions, attribute generic, generate,	ISE	VHDL by S.S.Limaye, VHDI programming by Example Dougla L.Perry				
		Acceptant and the second and the sec								

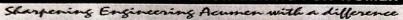
HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-41118.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/ETC / 18-19

Date: 12 / 6 / 2018

LESSON & TEACHING PLAN for DSPP&A

				Department of Electronic	cs and Teleco	ommunication				
Faculty Nar	ne: Prof.San	dhya vaib	hav wagha	mare				Year:	2018-19	Sem:- VII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	sulton d			workshop On Embedded system		1				
2	26- 30June	5	I	Multiplier and Multiplier accumulator, Modified Bus Structures and Memory access in P-DSPs, Multiple access memory, Multi-ported memory VLIW architecture, Pipelining		B. Venkata Ramani and M. Bhaskar, Digital Signal Processors, Architecture, Programming and TMH, 2004.		301		
3	2-7July	6	I	Special Addressing modes in P- DSPs, On chip Peripherals, Computational accuracy in DSP processor, Von Neumann and Harvard Architecture, MAC		B. Venkata Ramani and M. Bhaskar, Digital Signal Processors, Architecture, Programming and TMH, 2004.	d	7 July	1	



Dr. Milind Khanapurkar
Principal
Maharshi Karve Stree Shikshan Sanstha's
Cummins College of Engineering for Wossen

4	9-14 July	5	п	ARCHITECTURE OF TMS320C5X	B. Venkata Ramani and M. Bhaskar, Digital Signal Processors, Architecture, Programming and TMH, 2004.	2417		
5	16-21 July	6	п	Bus Structure & memory, CPU, addressing modes, AL syntax.	M. Bhaskar, Digital Signal Processors, Architecture, Programming and	3017		
6	23-28 July	4	ш	Assembly language Instructions, Simple ALP	M. Bhaskar, Digital Signal Processors, Architecture,	3118	22/7.	
7	30 July-4 Aug	6	ш	Pipeline structure, Operation Block Diagram of DSP starter kit , Application Programs for processing real time signals	B. Venkata Ramani and M. Bhaskar, Digital Signal Processors, Architecture, Programming and TMH, 2004.	218.		
8	6-11Aug	5			MID TERM TEST			
9	13-18 Aug	5	ıv	Data Addressing modes of TMS320C54XX DSPs, Data Addressing modes of S320C54XX Processors,	B. Venkata Ramani and M. Bhaskar, Digital Signal Processors, Architecture, Programming and TMH, 2004.	119.		
10	20-25 Aug	4	ıv	Program Control, On-chip peripheral, Interrupts ofTMS320C54XX processors,	B. Venkata Ramani and M. Bhaskar, Digital Signal Processors, Architecture, Programming and TMH, 2004.	\$19		



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Curmins College of Engineering for Women Hingna, Nagpur-441118.

12	27Aug - 1Sep	6	IV	Pipeline Operation of TMS320C54XX Processors , Block diagrams of internal Hardware, buses.	B. Venkata Ramani and M. Bhaskar, Digital Signal Processors, Architecture, Programming and TMH, 2004.	1119	818	
13	3-8 Sep	5	IV&V	, internal memory organization Code Composer studio - Architecture of TMS320C6X	B. Venkata Ramani and M. Bhaskar, Digital Signal Processors, Architecture, Programming and TMH, 2004.	1719	319.	
14	10-15 Sep	5	v	architecture of Motorola DSP563XX – Comparison of the features of DSP family processors	B. Venkata Ramani and M. Bhaskar, Digital Signal Processors, Architecture, Programming and TMH, 2004.	M19.		
15	17-21 Sep	5	IV	Study of time complexity of DFT and FFT algorithm, Use of FFT for filtering long data sequence	B. Venkata Ramani and M. Bhaskar, Digital Signal Processors, Architecture, Programming and TMH, 2004.	sering,		
16	25-29 Sep	5	IV	Interpolation filter, Decimation filter, wavelet filter	B. Venkata Ramani and M. Bhaskar, Digital Signal Processors, Architecture, Programming and TMH, 2004.	semino		



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanatha's Cummins College of Engineering for Women Hingna, Nagpur-41118.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/ETC / 18-19

Date: 13/06/2018

LESSON & TEACHING PLAN

_						CHING PLAN	EN NAGPLIR			
Faculty	/ Name: A. U	J. Tinguria		CUMMINS COLLEG	DE OF ENGINE	Subject: A&WP	LN, NACI ON	SEM :ode	d (2018-19)	Sem:- V
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18 to 23 june	7		Workshop on Solar System	ıs	300		23-Jun-18		AUT
1	24 to 29 june	5		Revision of EMF	n 1	Engineering Electromagnetics- Hayt Electromagnetic Fields and Radiation- Jordan Balman	NPTEL Videos	29-Jun		প্র
2	02 july to 07 july	6		Transmission line equations and their solution, transmission line parameters, characteristics impedance, propagation constant, attenuation constant and phase constant,		Electromagnetic Fields and Radiation- Jordan Balman	ja -	9-Jul	9-Jul	Act

Artinaria

Faculty in Charge

Ac Tinguria



Dr. Millind Khanapurkar Principal Maharshi Karve Strea Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
3	09 to 14 july	6		waveform distorion, distortionless transmission lines, loading of transmission lines, reflection coefficent and VSWR, Equivalent circuits of transmission lines, transmission lines at radio frequency, open and short circuited lines,		Electromagnetic Fields and Radiation- Jordan Balman		14-Jul		AUT
4	16 to 21 july	5		smith chart, stub matching., Tutorial		Electromagnetic Fields and Radiation- Jordan Balman	NPTEL Videos	23-Jul	16, 18 July	AUT
5	23 to 28 july	6		Infinitesimal dipole, its radiation field, radiation resistance, radiation sphere, near field, far field		Electromagnetic Fields and Radiation- Jordan Balman		28-Jul		AUT
6	30 july to 04 Aug	4		directivity, small dipole, finite length, Linear arrays, Array of two isotropic point sources,principle of pattern multiplication, linear arrays of n elements, broadside, End fire,	Visit to UHF Lab	Electromagnetic Fields and Radiation- Jordan Balman	NPTEL Videos, PPT	4-Aug		AUT
7	06 to 11 Aug	6		Tutorial, half wave length dipole, linear elements near or on infinite perfect conductors, ground effects and their application,	Visit to UHF Lab	Electromagnetic Fields and Radiation- Jordan Balman	PPT	11-Aug	6-Aug	-90]
8	13 to 18 Aug	5				Sessio	onal I	1		de la companya de la
9	20 to 25 Aug	5		array factor, Antenna analysis using Dolph-Tschebyscheff, Log-periodic antenna, the composite Yagi-Uda-Corne Log-Periodic array, Tutorials	er-	Antenna Theory analysis and design Costantine, Antenna by cross	PPT	27-Au	g 25-Aug	-AUT

HOD (HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
10	27 Aug to 01 Sept	4		Radiation Mechanism of Microstrip antenna, feeding methods, methods of analysis, Multiband Microstrip antenna for Mobile Communication, Circularly Polarized Patch antenna, Rectangular & circular patch,		Antenna Theory analysis and design - Costantine , Antenna by cross	PPT	1-Sep		AUT
11	03 to 08 Sept	5		Circular polarization and feed network. Tutorials, Simple reflectors, the design of a shaped Cylindrical reflector,	Problems	Antenna Theory analysis and design - Costantine, Antenna by cross	РРТ	8-Sep	4-Sep	AUT
12	10 to 15 Sept	5		Radiation patterns of Reflector Antennas, Dual shaped Reflector Systems Plane reflector,	Discussion on Mobiles	Antenna Theory analysis and design - Costantine, Antenna by cross	РРТ	14-Sep	14-Sep	AUT
13	17 to 22 Sept	5		Corner reflector, Parabolic Reflectors	Discussion or Radio and To Systems	lanalysis and design -	PPT	23-Sep	23-Sep	AU
14	25-29 Sept	5		.1,**		Sessio	nal II			
15	03 to 06 Oct	6	4	aperture antenna Reciprocity in antenna Measurements, Near-Field & Far-Field, Co-ordinate System, Source of Error in antenna measurements, measurement ranges, measurement of different antenna Parameters, antenna ranges, radiation pattern, Gain and directivity,		Antenna Theory analysis and design Costantine, Antenna by cross	1-	8-00	t	<u>A</u>
16	08 to 10 Oct	6	4	Gain and directivity, Atmosphere Earth, Terrestrial Propagation of Electromagnetic waves; Fading, Noi- and interference, Ground wave propagation, lonospheric propagation	se Seminar	Antenna Theory analysis and desig Costantine, Antenna by cross		15-	Oct	

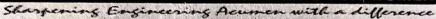
HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





COEW/ETC / 18-19

Date: / / 2018

LESSON & TEACHING PLAN

				CUMMINS COLLEG	E OF ENGINE	ERING FOR WOME	N, NAGPUR			
iculty	Name: <u>Prof</u>	. Amit G. I	ulsunge			Subject: Network Analysis & Synthesis		SEM <u>III</u> (2018-19)		Sem:- ODD
EEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18/06/18 to 23/06/18	5	I	Introduction to applications of the subject, Basic components: resistor, capacitor and inductor, Types of Sources, Source transformation & source shifting, KVL & KCL and Mesh analysis	Handson for	Network analysis by D.Roy Choudhary Chapter 1,2 pg 2-78	NPTEL video +ppt	22 106/19 to 27/06/19		AUT
2	25/06/18 to 30/06/18	6	I	Nodal analysis,Mutual inductances, Basic equilibrium equations, Matrix approach for complicated networks, Super mesh and super node analysis, duality	circuit	Engineering Circuit Analysis by W. Hayt, J Kemmerly	NPTEL video +ppt	28/06/18		Aut

Blulwy.

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cumminis College of Engineering for Women Mingan, Nappur-441118.

No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
3	02/07/18 to 07/07/18	6	п	Superposition theorem, Thevenins theorem, Maximum power transfer with example numericals	Practical demonstarti on of maximum power transfer with the help of a speaker and amplifer	Network analysis by D.Roy Choudhary Chapter 7 pg 316-348	NPTEL video +ppt	"/w/	3	AJT
4	09/07/18 to 14/07/18	6	п	Reciprocity theorem, Compensastion theorem, Miller's theorem & its dual with example numericals	1 Handson			14071	18 16 07 18	AUT
5	16/07/18 to 21/07/18	5	II V	Tellegen's Theorem as applied to ac circuits with example numericals. Introduction to complex frequency, Definition of Laplace Transform, Basic Properties of Laplace Transform	theorems through simple		NPTEL video +pp	16(o?) 10 21	1 10 10 10 10 10 10 10 10	A

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-44110.

NEEK	Week	No. Of	Unit	Fxact Topic Name & Subtopic	Activity/ Teaching Aid	Refren Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
				escuple numericals	a speak cond amplifor	Network analysis by D.Roy ChorNhary Chapte	NETEL vid	co		A
4	09/07/18 09/07/18	8) jd	Reciprocity theorem, Compensastion theorem, Miller's theorem & its dual with example numericals	Practical for verilying	7 p§ 316-348				The second secon
5	16/07/18 to 21/07/18	5	nv	Tellegen's Theorem as applied to ac circuits with example numericals. Introduction to complex frequency, Definition of Laplace Transform, Bas Properties of Laplace Transform	theorems through simple circuit, Simulation or	Network analys	oter NPTEL	rideo		The state of the s
6	23/07/18 to 28/07/18	6	v	Inverse Laplace Transform Technique Laplace Transform of Basic R,L and components, Transient response of simple electrical circuits such as RI RC to standard inputs	Simulation				1/1/1/19 20 , 2/1/1/19	ि

At Tuyuna HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Strea Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

					Set with A Tracking	Refrent Book -	171.	Completion	Assignment/T	ноп'я деп
	30107/18	6	111	Numericals band of Transitat suspence estimation. Evaluation of initial & Final conditions.	Simulation on Mattals	Netrouhandys by D. Roy Chewhari	PP+	30107118		AU
8	06/08/18 10 11/08/18	6	VI	Terminal characteristics of network: Z, Y, h, ABCD ParametersReciprocity and Symmetry conditions, Applications of the parameters	Simulation on Multisim	analysis by D.Roy Ch	NPTEL video	11/88/19 51/88/19		AUT
9	13/08/18 to 18/08/18	6	VI	Network functions for one port and two port networks, Pole-zeros of network functions and network stability,	Simulation on Multisim	Network analysis by D.Roy Choudhary	+ppt	13/03/18	10001.0	AU
10	20/08/18 to 24/08/18	5	ш	Significance of Quality factor. Series Resonance: Impedance, Phase angle variations with frequency, Voltage and current variation with frequency, Bankesland Selections	Observing output waveforms using Spectrum analyzer	Network analysis by D.Roy Choudhary	NPTEL vide +ppt	35/08/13		AU

HOD



	27 08 18	6	世	Parallel reconance: Remarce paquency and admittance variotion with frequency Bandwidth and selectivity Comparison & application of series & parallel ouronance chemits.	Observing wave Forms using Spectrum analyzer	Heroark analysis by D.Roy Choudhoay	PPT	54 pring	AVT
12	03/09/18 to 07/09/18	5	IV	Filters & Attenuators: Filter fundamentals, pass and stop band, constant k prototype, LPF, HPF, BPF, Band stop filter, m-dcrived filters, composite filter design.	Observing filter output using Spectrum analyzer	Network analysis by D.Roy Choudhary	NPTEL video +ppt	०३ जाग कोर्विग्रे	AUT
13	10/09/18 to 15/09/18	6	IV	General case: Resistance present in both branches. Comparison and applications of series and parallel resonant circuits.	Simulation on Multisim	Network analysis by D.Roy Choudhary	NPTEL video +ppt	10/09/18	AUT
14	17/09/18 to 21/09/18	5	IV	Attenuators: Definition and Units of attenuation, Bartlett's bisection theorem, lattice attenuator, symmetrical T, and bridged attenuator, asymmetrical L-section attenuator, Ladder attenuator	Simulation on Multisim	Network analysis by D.Roy Choudhary	NPTEL vide +ppt	18/09/19	M
15	24/09/18 to 29/09/18	6	IV	Types of Transmission lines, Transmission Line Equation, Equivaler circuits, Primary and Secondary line constants	Simulation or Multisim	n Network analysis t D.Roy Choudhar		22/09/18	A

HOD HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



LESSON & TEACHING PLAN for EMI

aculty Nat	ne: Prof. san	dhya wa	ghmare	Department of Electronic				Year:	2018-19	Sem:- III
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	26- 30June	5	I	Introduction, Necessity of electronic Measurement, Block diagram of electronic measurement system, Types of Measurements, Function of instruments and measurement systems, Applications of measurement system		Electrical and Electronic Measurement and Instrumentation by A.K.Sawhney, Chapter no.1,		417-		
2	2-7July	6		Elements of measurement system, Types of instruments. Theory of errors, Accuracy and Precision. Types of errors. Statistical analysis, probability of errors. Limiting errors. Standards of measurement		page no.1-12, Chapter no.2, page no.26-27, Chapter no.3, page no.49-62		1317	7	
3	9-14 July	5	Anna City Carlot	Construction of Galvanometer, Suspension Galvanometer, Torque and deflection Galvanometer, PMMC mechanism, Ammeters		Electrical and Electronic Measurement and Instrumentation by		218	. 1217,	
4	16-21 July	6	II	DC volumeter: AC volumeters, Peak, average and true rms voltmeters. Digital Multimeters, Ohm-meters an their design. AC indicating instruments. Watt-hour meter; Power factor meter.	d	A.K.Sawhney,Chapter no. page no.197-198.Chapter no page no.237-249		et. (17)	8.	
5	23-28 July	4	III8 IV	W. Deidas Kalvin Bridge Maywell's Brid	lgc.	Electrical and Electroni Measurement and Instrumentation by A.K.Sawhney, Chapter in page no.433-437, Chai no.16, page no.479-4	o.14,	121	9.	
6	30 July- Aug	4 6		Transducers: Static and dynamic characteristic Classification of transducersCapacitive transduc Inductive transducer, Resistive transducer, RVI Strain Gauge.	er.	Electrical and Electric Measurement and Instrumentation b A.K.Sawhney, Chapter page no.496, Chapter page no.755-76	y no.16, no.25,	PPT.	719	
7	6-11Au	g 5				SESSIONAL I				



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

8	13-18 Aug	5		RTD.Optical Transducers, Hall effect transducer, Piezoelectric transducers,	Electrical and Electronic Measurement and Instrumentation by A.K.Sawhney, Chapter no.25, page no.766-826		
9	20-25 Aug	4	111&1	Transducers for measurement of Pressure, Temperature, Level, Displacement, Flow	Electrical and Electronic Measurement and Instrumentation by	1219.	20/8,
10	27Aug - ISep	6	V	CRO, Types, Dual trace, High frequency, sampling and storage oscilloscopes, Applications of CRO	A.K.Sawhney, Chapter no.25, page no.826-847, page no.857-	1419	
12	3-8 Sep	5		Signal Generators: Introduction, Sine-wave generator, standard signal generators, Audio frequency signal generation, RF generator, Pulse generator, Function generator.	Electrical and Electronic Measurement and Instrumentation by A.K.Sawhney, Chapter no.21,	1419	
13	10-15 Sep	5	V	Construction and operation of Signal analyzer, Wave analyzer, Harmonic Distortion analyzer. Spectrum analyzer and Logic analyzer, Signal conditioning and its necessity	page no.641-677, Chapter no.22. page no.683-707 .Electrical and Electronic Measurement and	1819	
14	17-22 Ser	5	profiguration representation or incident.	process adopted in signal conditioning Functions of Signal conditioning, AC/DC Conditioning systems, Data conversion: ADC, DAC, Generalized data acquisition system: single channel and multi-channel	Instrumentation by A.K.Sawhney, Chapter no.23, page no.713-721, Chapter no.26, page no.933-943, Chapter no.31, page no.1203-	1919	
16		1		DAS	SESSIONAL II		W.



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Cummins

CCOEW/CE / 18-19

Date: 15 /06 / 2018

LESSON & TEACHING PLAN

				CUMMINS COLLEG	GE OF ENGINEE	RING FOR WOME	N, NAGPUR		- to -	
Faculty	Name: Prof	Vid	ya S. Rai	ut		Subject: OOP&DS		SEM : 3rd_E	TC_(2018-19)	Sem:-
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18/06/18- 22/06/18	5		Training and Introduction about Subject, Introduction to Object Oriented Programming :Benefits of OOPs,Application OOPStructure of C++ program,Tutorial	Activity 1.1: Activity 1.2:		https://www.tutorialspoint.co	18/6	T: 22/6	AUP
2	25/06/18- 30/06/18	6	1	Basic Data type-Derived Data type- User defined data type-Operators in C++,Class Members, Access Control Class Scope,Control Statements,Constructor and Destructor,Tutorial	Activity 1.3 :	E.Balagurusamy, "Object Oriented Programming with C++", By Tata McGraw Hill Publications. Pg. No. 4-11, 32_38,	https://www.coursera.org	2616	T: 3°16	AUT
3	02/07/18- 07/07/18	6		parameter passing method inline function, static class members, this pointer, friend function, Dynamic memory allocation and de allocation (new and delete), exception handling, Tutorial	Activity 1.4	47_50, 60_65, 75_77,90-97, 115_118, 344_36	0 https://www.tutorialspoii	317 417 517 617	7.71:	AUT F
4	09/07/18-13/07/18	5		Features of Object Oriented Programming: Function Overloading, Generic Programming: Function an class templates, Defining operator	Activity 2.1:	E.Balagurusam "Object Orient Programming v	ed Accounter	717 1917 194 194 194	t 7:102	7 465

Faculty in Charge

Al Impurial



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T	HOD's sign
			2	overloading.Tutorial		C++", By Tata		14.4		
5	16/07/18- 21/07/18	6		Defining operator overloading overloading unary operator overloading binary operator overloading binary operator rules for operator overloading.	Activity 2.2: Problem solving Practice in group.	McGraw Hill Publications. Pg. No 82-83,323- 332,155-170	https://www.coursera.org/	1417 1717 1817 1817, 247	7:2017	AJ
6	24/07/18- 27/07/18	4	3	Inheritance :Inheritance basics base and derived classes inheritance types:-single inheritance, multiple inheritance, hierarchal inheritance hybrid inheritance Tutorial	Activity3.1: Problem solving Practice in group. Activity 3.2 Knowledge Probe	Object -Oriented Programming with C++ By Rohit Khurana Pg. No 182,192-195,184-		271-1	Arnj10001	AT
7	30/07/18- 04/08/18	6		virtual base class run time polymorphism using virtual function pure virtual function abstract classes. Tutorial	Activity 3.1:	193,197- 203,205,246,251,20		V8 V8 2/8 3/8	T: 418	AUT
8	. 06/08/	18-10/08/1	8		0,7	Sessional	I	418		
9	13/08/18- 18/08/18	5	4	Introduction to Data structure Arrays-Introduction-Linear arrays epresentation of linear arrays in memory Tutorial Sorting: selection sort Insertion Sort, Bubble Sort	Activity 4.1:	Fundamental of Data Structure in C++ by Horowitz, Sahani, GALGOTIA Pg. No 24-	http://nptel.ac.in/	1318 1418 1618 1718	T)1H8	<u>A</u> u
10 1	20/08/18- 24/08/18	4	į.	Quick Sort, Merge Sort radix sort, linear Search Binary Search, Tutorial	Activity 4.2:	31,329,352,365,339. 394	https://www.coursera.org/	2018	T:23/8	107

Au lingurial

Hingna,
Hogper-441119

**System | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-441119 | Hogper-44111

Dr. Milind Khanapurkar
Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Ald	Refrence Book - Chapter no, Page no,edition, No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
11	27/08/18- 01/09/18	6	5	Introduction of Stack and Queue:Dynamic memory allocation "Linked list: Introduction- Representation of singly Linked List in memory" Traversing a linked list Tutorial	Activity 5.1:	Data Structure using c & C++ by Langsam,Tenenbau m, PHI Pg. No 77- 83 174-	http://nptel.ac.in/	278/2 278/2 2918 2913 2918	71.29/8	AUJ
12	03/09/18- 07/09/18	5		Scarching a linked list insertion and deletion in linked list implementation of stack and queue using linked representation Tutorial	Activity 5.2:	181,internate & notes,187,220 from kamthane,220,187- 191,191-197	http://www.indiabix.com.	319 419 519	Asny r	AU AU
13	10/09/18- 15/09/18	5	6	Trees: Basic terminology Binary Trees, Binary tree representation, algebraic Expressions, Complete Binary Tree . Array and Linked Representation of Binary trees Traversing Binary trees	Activity 6.1:	An Introduction to Data Structure with application by Tremblay Sorenson,mming	http://www.indiab	619 149 1219 ix. 141	9 T: VJ	to AUT
14	17/09/18- 21/09/18	5		Binary search Tree Implementation Operations:Searching,Insertion and deletion in binary search trees Treaded Binary trees,Traversing Threaded Binary trees.		with C++", Tata McGraw Hill Publications. Pg No 249-260,401 405		18/ 20/ 21/ 22/ 2	9 Ares	J3 AUT
15	25/09/	18- 29/0	09/18			Sessio	nal II		i parte design	

HOD

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/CE / 18-19

Date: / / 2018

LESSON & TEACHING PLAN

aculty	Name: Pro	of. Sneh	a Uttar	war	1	Subject: AM-III		SEM III ETC (2018-19) Sem:- ODD
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book Chapter no. Page no,edition. No	ICT tools	Completion Date	HOD's sign
1	26 June - 30 June	5		MATRICES Linear Transformations, Orthogonal Transformations,Linear dependence of vectors,Characteristics equation, Eigen values and Eigen vectors,Reduction to Diagonal form	Dividing students into group and Solving different example	Engineering Mathematics Shobhane & Tembhekar 2.41 to 2.59	Using PPT Diagonalisatio n of matrix	₹9 10 ₽)1 8	AU)
2	2 July- 5 July	5 4	VI	Cayley Hamilton Theorem [without proof], Reduction of Quadratic form to Canonical form by Orthogonal transformation, Sylvester's theorem [without proof],	group and	Engineering Mathematics Shobhane & Tembhekar 2.70 to 2.72	Steps to find out Caley Hamilton Theorem using animated video	4 a 18	AU

•	9 July - 13 July	5		Solution of Second Order Linear Differential Equation with Constant Coefficients by Matrix method. Tutorial-1	Solving example	Engineering Mathematics Shobhane & Tembhekar 2.73 to 2.81		13/07/18	AJ
	16 July- 21 July	6	v	PARTIAL DIFFERENTIAL EQUATIONS: First Order First Degree i.e. Lagrange's form, Linear Homogeneous Equations of higher order with constant coefficients, Method of separations of variables,	Dividing students into group and Solving different example	Engineering Mathematics Shobhane & Tembhekar 7.3 to 7.26	Using PPT	19 03-118	AJ/
	23 July- 28 July	6		Applications of Laplace Transform to solve Partial Differential Equations (One dimensional only).separations of variables, Tutorial-2	Solving example	Engineering Mathematics Shobhane & Tembhekar 7.27 to 7.47	Using PPT	25)07/18	AUT
n	30 July- 4 Aug	6	п	FOURIER SERIES & FOURIER TRANSFORM: Periodic functions and their Fourier Expansions, Even and Odd functions, Change of interval, Half Range Expansions. Tutorial-3	Dividing students into group and Solving different example	Engineering Mathematics Shobhane & Tembhekar 3.3 to 3.27	Using PPT	०५ ०८।छ	AUT

Subject Teacher

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

	T					6			
7	13 Aug - 18 Aug	5	II	Fourier Transform: Definition and Properties (excluding FFT), Fourier Integral Theorem, FUNCTIONS OF COMPLEX VARIABLE, Analytic function	Solving example	Engineering Mathematics Shobhane & Tembhekar	Using PPT	18 109/19	A
8	20 Aug- 24 Aug	5	IV	Cauchy- Riemann Conditions, Harmonic Functions (excluding orthogonal system), Taylor's & Laurent's series (Statement only),	Dividing students into group and Solving different example	5.2 to 5.14 Engineering Mathematics Shobhane & Tembhekar 1.1 - 1.32	Using PPT	24/58/18	A
9	27 Aug - 1 Sep	6		Zeros and Singularities of Analytic function, Contour integration (Evaluation of real definite integral around unit circle and semi-circle)Residue Theorem (Statement only), Tutorial-4	Solving	Engineering Mathematics Shobhane & Tembhekar 1.39-1.61	Using PPT	.સ/૦૧/ હ	Au7
10	3Sep - 8 Sep	6	I	Laplace Transform: Introduction , Defination, L- T of some elementary function, Change of scale property, Properties of L-T, Shifting property, L-T of derivative, L-T of integrals, Division by t, multiplication by t,	Dividing students into group and Solving different example	Engineering Mathematics Shobhane & Tembhekar 4.1 - 4.17	Using PPT	10/09/13	AU)
11	10 Sep - 14 Sep	4		Inverse L-T, Method of partial fraction, Convolution theorem(Statement Only), L.T.Inverse Using properties and standard result finding, Tutorial-6	Solving example	Engineering Mathematics Shobhane & Tembhekar 4.18 - 4.47	Using PPT	716 og 18	A



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-41118.

13	25 Sep	ot-29	Sept	Maxima and minima of functionals, Euler's equation(statement only), Isoperimetric Problems, Tutorial 7		Sessional II			
	21 Sept	6	III	Differential Equations.Integro- Differential Equations. CALCULUS OF VARIATIONS:	Solving example	Mathematics Shobhane & Tembhekar 10.1 - 10.20	Using PPT	F1(01 (01	A)
	17 Sept-			Unit Step Function, L-T of Periodic Functions (statement only), Application of L.T to solve differential equations, Integral equation, Simultaneous		Engineering		5/10/18	

Subject Teacher

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Acumen with a difference



CCOEW/ETC / 18-19

Date: 7 / 12 / 2018

LESSON & TEACHING PLAN

				COMMINING COL	LEGE OF ENGINEERING FO			_		
aculty Na	me: Prof. Ja	ya. M.Ga	dge			Subject: Wireless and Mobile Communication		Year:	2018-19	Sem:- VIII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18-19D 24-30 Dec	ec.	I	Evolution of mobile radio communication. Cellular telephone system,	Explain GSM with different frequency bands	Theodore, S.Rappaport, 2nd Edition(Pg. No. 1-15)		19/12		নিগ্ৰ
2	1-5 Jan	5	I	frequency reuse, channel assignment and handoff strategies, interference and system capacity, trunking and grade of service, improving capacity in cellular system	Explain by giving example of roaming and mobile use in other city	Theodore, S.Rappaport, 2nd Edition(Pg. No. 58-76)		2 9/12	Mersey Assert	200
2	7-11 Jan	5	п	Causes of propagation path loss, causes of fading-long and short term, definition of sample average, statistical average, probability distribution,		Theodore, S.Rappaport, 2nd Edition(Pg. No. 77-93)		25/2	(111)	
					Anannya 2018-19					

Faculty in Charge

_HOD

College of Englinee Hingna, Hogper-441118 E

Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK N	c. Week	No. (X250 100 L		Activity/ Teaching Aid	Refrence Book - Chapter no. Page	ICT tools	Completion	Assignment/T	
3	21-25 Jan	5	n	level crossing rate and average duration of fade, delay spread, coherence bandwidth, inter-symbol interference	F	Theodore, S.Rappaport, 2nd Edition(Pg. No. 202)	ici ibois	Date Ollo3	utorial Date	HOD's sig
4	28Jan- 21Feb	6	ш	Fundamentals of equalization, space polarization, frequency and time diversity techniques,		Theodore, S.Rappaport, 2nd Edition(Pg. No. 355-380)	tos://www.youtube.c n/watch?v=qIIGI8RrG <u>MU</u>	05/3		
5	04-08 Feb	5	ш	space diversity, polarization diversity, frequency and time diversity, fundamentals of channel coding	PPT .	Theodore, S.Rappaport, 2nd		08/3		
6	11 Feb- 16 Feb	6	Ш	Applications of diversity and fundamentals of channel coding		Edition(Pg. No. 385-394)		1		
7		5	1	2 h		Sessional I		3/3		
N	Feb-2 March	6	v	adia autorite GSM ta	nhone phone	Theodore, S.Rappaport, 2nd Edition(Pg. No. 549-561) Autugues, HOD	091, 4		£	D

Hingna,
Hogper-441119

**System | Hogper-441119

Dr. Milind Khanapurkar
Principal
Maharshi Karve Stree Shikshan Sanetha's
Cummins College of Engineering for Women
Hingna, Nagpur-441118.

EEK No.	Week	No. Of Lect.	Unit No.	Duart Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page	ICT tools	Completion	Assignment/T	
9	4-S March	5	IV	signal processing in GSM, introduction to CDMA digital cellular standard, Third generation wireless networks, 3G technology	Explain GSM block designing using GNU Radio Software	Theodore, S.Rappaport, 2nd Edition(Pg. No. 563-501)		19101 14	Herry 2	HOD's sign
10	11-16 March	6	V	Difference between wireless and fixed telephone networks, development of wireless network, traffic routing in wireless networks.	Explain with examples of bluetooth ,wi-fi ,RF module etc .	Theodore, S.Rappaport, 2nd Edition(Pg. No. 493-505)		2501 05los		200
11	18-22 March	4	V	Mobile IP and wireless access protocol, mobile IP, operation of mobile IP, collocated address, Registration, Tunneling, WAP Architecture, overview, WML scripts, WAP service, WAP session protocol	PPT			1262	Resign	ì-A
12	25-30 March	6	VI	Infrared LANs, Spread spectrum LANs, Narrow bank microwave LANs, IEEE 80 protocol, Architecture, IEEE 802 arcitecture and services,				1513		

At Tuguria)



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic		-				
				- rante a subtople	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
13		5	VI	892.11 medium access control, 802.11 physical layer.Wireless Application Protocol: architecture, WDP,WTLS,WTP,WSP,WAE,WML scripts.	Explain with real time applications with application layer	S. Rapa post.		17 [9/3		
15	2-7 April							2013		
						Sessional II				

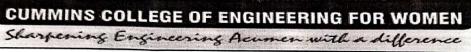
Al Turanias HOD

College of Englinee Hingna, Hogper-441118 E

Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Curnmins College of Engineering for Worsen Hingna, Nagpur-441118.



Maharsh Karve Stree Shikshan Samstna's





CCOEW/ETC / 18-19

Date: 17/12/2018

LESSON & TEACHING PLAN

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR

acult	y Name: Pi	rof. A. S.	Jambhulk	ar		Subject: DCOM			ETC (2018- 19)	Sem:- EVEN
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completio n Date	Assignment/ Tutorial Date	HOD's
1	13 Dec - 19 Dec	7		Workshop on Embedded Systems						
2	20 Dec - 24 Dec	5		Review of Random variables, PDFs & CDFs, Central limit Theorem	Forming of groups of students to solving numericals based on all properties		PPT and NPTEL Video	4/11/19	Assignmorp No. 1	AJ
3	26 Dec - 29 Dec	4	I	Model of digital communication system, Gram Schmitt Orthogonalization procedure, Signal space concept	Evaluation of block diagram of digital communication system	Digital communication: Simon Haykin (WEP)	PPT and NPTEL Video	alilig		AN AN



4	31 Dec - 5 Jan	6	I	Geometric interpretation of signals, probability of error, correlation receiver, matched filter receiver	Matched filter design on matlab software	Digital communication:	PPT and NPTEL Video	21/1/19	AN
5	7 Jan- 11 Jan	6	II	Source coding Theorem, Huffman coding, L-Z encoding algorithm	Forming of groups of students to solving numericals numericals on different coding techniques and examples for practice	Simon Haykin (WEP)	PPT and NPTEL Video	6व्या9	AVJ
6	14 Jan - 19 Jan	7		Rate distortion theory for optimum quantization, scalar & vector quantization	Forming of groups of students to solving numericals numericals	Digital	PPT and NPTEL Video	8/2/19	AU)
7	21 Jan - 25 Jan	7	П	Waveform coding methods: ADPCM, Adaptive Sub-Band & Transform coding, LP & CELP coding,	on different coding techniques and examples for practice	communication: Simon Haykin (WEP)	PPT and NPTEL Video	14/2/19	20
					Annanya 18 -19				
8	5 Feb - 8 Feb	4	ш	Coherent Binary: QPSK, MSK, Gaussian MSK	Observe different waveforms on MATLAB software	Digital Communication: J.S.Chitode	PPT and NPTEL Video	22/3419	



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

9	11 Feb - 16 Feb	7	m	DPSK,Memory less modulation methods, linear modulation with memory,nonlinear modulation methods with memory: CPFSK, CPM.	Observe different waveforms on MATLAB software	Digital Communication: J.S.Chitode	PPT and NPTEL Video	25/2/19		
				SESSION	NAL - I (18 Feb -	23 Feb)				
	25 F. b. 2 March	ó		Introduction to Galois field, Construction of Galois field GF (2 m) & its basic properties	Derivation of galois field mathematically on board	Error control coding: Shu Lin	PPT and NPTEL Video	23/2/19		
11	4 March - 8 March	5	IV	Types of error control: Forward error correction (FEC), Automatic repeat request system (ARQ). Convolution encoding and decoding	Forming of groups of students to solving numericals numericals on different coding techniques and examples for practice	Digital Communication: J.S.Chitode	PPT and NPTEL Video	1/3/119		
12	11 March - 16 March	6	IV,V	Distance properties, Viterbi algorithm and Fano algorithm. Trellis coded modulation, Introduction to Turbo coding	students to solving numericals numericals on different coding	communication: Simon Haykin (WEP)	PPT and NPTEL Video	7/3/19	Assimmat No. 2	



Dr. Millind Khanapurkar Principal Maharahi Karre Stree Shikshan Sanetha's Curmins College of Engineering for Women Hingna, Nagpur-41118.

13	18 March - 23 March	6	v, vi	Reed Solomon Codes: encoding & decoding,Low density parity check coding (LDPC), Study of PN sequences,direct sequence methods	Forming of groups of students to solving numericals numericals on different coding techniques and examples for practice	Simon Haykin (WEP)	PPT and NPTEL Video	13/3/19	Assignment NO:3	
	25 March - 20	6	vi	Frequency hop methods, slow and fast frequency hop, synchronization methods for spread spectrum, Application of spread spectrum, CDMA, Introduction to OFDM	Observe different waveforms on MATLAB software	Digital Communication: J.S.Chitode	PPT and NPTEL Video	st[3]19		

SESSIONAL - II (1 April - 8 April)

Faculty In Charge

HoD Luguria



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Worken Hingna, Nagpur-44118.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ETC / 18-19

Date: 7 / 12 / 2018

LESSON & TEACHING PLAN

				CUMMINS COL	LEGE OF ENGINEERING FO	OR WOMEN, NAGPUR				
aculty Na	ne: Prof. Ja	ya. M.Ga	dge			Subject: Microwave and RADAR Engineering		Year :	2018-19	Sem:- VII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	24-30 Dec	6	I	Introduction of Microwave signals ,range and Tubes,High frequency limitations of conventional tubes	Shows the conventional tubes and microwave tubes			19/12		AN
2	1-5 Jan	5	I	Two Cavity and multi cavity Klystrons ,Structure and working with numericals	explain with existing klystron generator in lab	S.Y. Liao, "Microwave Devices and Circuits", Prentice Hall India,Microwave and Radar		27/12		00
2	7-11 Jan	5	I	Reflex Klystrons, slow-wave structure: TWT with Numericals and Derivation	Power measurement using Reflex Klystron with variation by practically	Engg. By M.Kulkarni(Page no. 297 - 338)		31/12		A10
					Anannya 2018-19			12/11/10		

Faculty in Charge

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tooks	Completion Date	Assignment/T utorial Date	HOO's sign
3	21-25 Jan	5	I	BWO(Backword wave oscillator),Magnetron oscillator and its types		Microwave and Radar Engg. By M.Kulkarni(Page no. 339- 368)		to 114		到
4	28Jan- 61Feb	6	п	Introduction of Microwave Components,Introduction to rectangular waveguide & waveguide excitation		S.Y. Liao, "Microwave Devices and Circuits", Prentice Hall India and Microwave and Radar Engg. By M.Kulkarni(Page no. 199- 260)	https://www.youtube om/watch?v=gl/Gi2R; MU	11 01	A8897 04	100
5	04-08 Feb	5	п	Principles of S-parameters, Sparameters for multi-ports (2-port, 3-port, 4-port etc.)	127	S.Y. Liao, "Microwave Devices and Circuits",	https://www.slideser com/Gabriel/chapter			AN
6	11 Feb- 16 Feb	6	II	properties of S-matrix, Derivation ,waveguide Tees (E, H, E-H planes), Directional Couplers, matched terminations	Taking Real timeApplications	Prentice Hall India and Microwave and Radar Engg By M.Kulkarni(Page no. 199		aper 2111 ttps://m/wa	01	AN
7		5				Sessional I				

HOD



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanstha's Curmins College of Engineering for Women Hingha, Nagpur-41110.

EX No.	West	No.Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page	Kitosk	Completion	Assignment/T	
8	25 Feb-2 March	6	п	Microwave attenuators, Slotted line, Ferrite devices, Circulators, Isolators, gyrators.	ICT Tools (PPT)	S.Y. Liao, "Microwave Devices and Circuits", Prentice Hall India and Microwave and Radar Engg. By M.Kulkarni(Page no. 241- 260)		2501	otorial Date	ROD'S SET
9	4-8 March	5	ш	Solid State Microwave Devices,Parametric amplifiers, PIN diodes, Transferred Electron devices: Gunn diode,Avalanche diode, Transit Time devices like IMPATT, TRAPATT diodes.	Video Lectures	S.Y. Liao, "Microwave Devices and Circuits", Prentice Hall India,Microwave and Radar Engg. By M.Kulkami(Page no. 369-436)	NPTEL	0113		80
10	11-16 March	6	v	Introduction of Radar Fundamentals:Basic principles and fundamentals of Radar, block diagram of basic radar, classification, radar performance factors	55 4.	Skolnik, "Principles of Radar Engineering", McGraw Hill Publications and		OSI	2 Asses	
11	18-22 March	4	v	radar range equation, factors influencing maximum range, Numericals based on Radar range Equation, effects of noise, Pulsed radar systems.	PPT	Microwave and Radar Engg. By M.Kulkarni(Page no. 513- 545)			112 151	

aculty o Charge

AU



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic		St. C. Verrall Control of Control	11			
				, and additions	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition, No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
12	25-30 March	6	VI	Antennas and scanning, display methods, moving target indication, radar beacons, CW Doppler radar,FM CW phased array radars, applications of radar	РРТ	Skolnik, "Principles of Radar Engineering", McGraw Hill Publications and Microwave and Radar Engg. By M.Kulkarni(Page no. 545- 570)		22		\$6]
13		5	IV	Microwave measurement: Introduction to microwave measurements, definition and measurement methods of frequency,power, attenuation VSWR, impedance, insertion loss, dielectric constant, Q of a cavity resonator, phase shift.		S.Y. Liao, "Microwave Devices and Circuits", Prentice Hall India and Microwave and Radar Engg. By M.Kulkarni(Page no. 261- 296)		1 5H3		\$40T
15	2-7 April							1400	3	- 12

HOD wares

Kingna,
Hogper-44111

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.



Maharsh Carve Stree Shikshan Samst ()'s CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/ETC / 18-19

Date: 2º/ 12/ 2018

LESSON & TEACHING PLAN

		- Y - A		CUMMINS COLLEGE OF E	NGINEERING FOR W	OMEN, NAGPU	JR			
Facult	y Name: Pro	Name: Prof. A.G. Fulsunge Week No. Of Lect. No. Exact Topic Name & Subtract Topic Name				Subject: S&S	, d.	SEM VI ET	TC (2018-19)	Sem:- EVEN
WEEK No.	Week	MANAGE WORLD	STATISTICS OF STREET	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completio n Date	Assignment/T utorial Date	HOD's sign
1	13 Dec - 19 Dec	3		Workshop on Embedded Systems	Hands on 8051 programming, Arduino programming, LCD module, relay, DC motor interfacing, Serial and GSM based communication		PPT+ Hardware Kit +Software tool			
2	20 Dec - 21 Dec	2		Types of signals, Analysis of signals, Representation of signals using a set of orthogonal signals, Feriodic and non- periodic signals, Sampling theory for band limited signals	Matlab + Spectrum Analyzer	Signals & Systems B.P.Lathi	PPT+ Chalk & Board	19/01/19		
3	26 Dec - 29 Dec	4	Ι	Fourier series representation of periodic signals, Fourier transform of periodic and non periodic signals, Properties of Fourier transform, convolution in time & frequency domain	Matlab	Signals & Systems B.P.Lathi	PPT+ Chalk & Board	11/01/17	P	



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Minoan Nacourt-41110.

4	31 Dec - 5 Jan	6	II	Probability, Review of probability theory,, random variables, probability density and distribution function, Random processes, periodic processes,	Digital Communication Dr. J.S. Chitode	PPT+ Chalk & Board	
5	7 Jan- 11 Jan	5		Stationary processes, Autocorrelation, cross correlation, application to signal analysis, power density and spectral density function	Digital Communication Dr. J.S. Chitode	PPT+ Chalk & Board	
6	21 Jan - 25 Jan	6					
7	28 Jan - 2 Feb	6					
8	4 Feb - 8 Feb	5					



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ Department of E & TC / 17-18

Date: 12 / 64/2018

LESSON & TEACHING PLAN

	il jis			CUMMINS COLLEGE OF E	NGINEERING F	OR WOMEN, NA	GPUR			5 2
Facult	y Name: F	Prof. Sai	ndhya	Waghmare		Subject: Control System		Year: 2	2018-19	Sem:- VI
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no.	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign)
1	24 DEC- 30 Dec	6	I	Introduction to need for automation and automatic control, use of feedback,		Nagrath & Gopal (Pg.)		30 Dec.		30
2	1Jan- 5Jan	5	I	transfer functions, Electrical and Mechanical sytem	Through MATLAB simulation ,RULEs Writeing Competetion	Nagrath & Gopal (Pg.)		sjan.		25)
.3	7Jan- 11Jan	5	I	block diagram, signal flow graphs, Effect of feedback on parameter variation, disturbance signal,	Through MATLAB	Nagrath & Gopal (Pg.)		22/ Jar		120
4	21Jan- 25Jan	5	Ü	Time response of the system, first order & second order system,	Through MATLAI	B Nagrath & Gopal (Pg.)		517eb	25101	40



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikehan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

	28 Jan-2								
	Feb				ANANNY	A			
5	4Feb- 8Feb	. 6	正田	Principles of P,PI,PD,PID controllers.Stability: Stability of control systems, conditions of stability, characteristic equation, Routh Hurwitz criterion, special cases for determining relative stability.	The state of the s	Jagrath & Gopal Pg. 194-248)	15.2		AND
6	11Feb- 16Feb	5	m	Root Locus method: Root location and its effect on time response, elementary idea of Root Locus,	Through MATLAB simulation.SOLVI NG MORE NUMERICAL	Nagrath & Gopal (Pg. 194-248)	t 13		
	18Feb- 22Feb			SESSIONAL I					
7	25Feb-2 March	6	п	effect of adding pole and zero and proximity of imaginary axis.	Through MATLAB simulation	Barapatre (Pg. No. CA1-CA16)	513		
8	4March- 8 March	6	II	Frequency response method of analysin linear system, Nyquist & Bode Plot, stability & accuracy analysis from frequency response, open loop & close loop frequency response.	NUMERICAL NATION	Nagrath & Gopal (Pg. 270-290)	q13·		
9	11March 16 March	5	III	Nyquist criteria, effect of variation o gain & addition of poles & zeros on response plot, stability margin in frequency response.		Nagrath & Gopal (Pg. 298-302)	13/3	5.	
10	18March- 22March	6	v	Needs of compensations, lead compensations, Lag compensations Lead-Lag compensations (theoretics concepts)		.~	(Pg.		
11	25 March 30 March	4	v	Overview of various transducers w their signal conditioning systems		Nagrath & Gopal 345-376)	I (Pg.		



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Curmins College of Engineering for Women Hingna, Nagpur-441118.

12		6	īv	State variable method of analysis, state choice of state representation of vector matrix differential equation,	SOLVING MORE NUMERICAL ,MATLAB Simulation	Nagrath & Gopal (Pg. 377-423)		
20	02Apr - 07 Apr				SESSIC	NAL II		



Dr. Milind Khanapurkar Principal Maharshi Karve Stres Shikshan Sanetha's Curmins College of Engineering for Women Hingna, Nagpur-441118.



Maharshif arve Stree Shikshan Samstk s **CUMMINS COLLEGE OF ENGINEERING FOR WOMEN**

Sharpening Engineering Acumen with a difference



DIT

CCOEW/ETC / 18-19

2

24-29 Dec

5

LESSON & TEACHING PLAN for DIGITAL SIGNAL PROCESSING

31/12/18

Department of Electronics and Tele Communication Faculty Name: Pallavi P. Ganorkar Year: 2018-19 Sem: VI WEEK No. Of Unit Refrence Book -Activity/ **Exact Topic Name & Subtopic** No. Chapter no. Page Completion Assignment/T No. ICT tools **Teaching Aid** HOD's sign Date utorial Date no,edition. No Basic elements of DSP and its requirement, Advantages of Digital over J.G. Proakis, D.G. 21/12/18 1 17-22 Dec 3 analog signal processing, sampling https://www.youtube.co Manolakis "Digital theorem, sampling process and m/watch?v=nzbv42vOEEQ Signal Processing: reconstruction of sampling data Principles,

Verification on

MATLAB

algorithms and

applications,

Pearson Education

J.G. Proakis, D.G.

3	31 Dec-5 Jan	6	1,11	Autocorrelation. The Z-transform: Definition, properties of the region of convergence for the Z-transform	Verification on MATLAB	Manolakis "Digital Signal Processing: Principles, algorithms and	10)119	AU
4	7-12 Jan	5	l II	Z-transform properties, Inverse Z- transform, Parseval's theorem	Verification on MATLAB	TOO NOT THE PROPERTY OF THE PR	23/119	AN
5	14-19 Jan				A	nannya 2K19		
6	21-26 Jan	5	11,111	unilateral Z-transform. Definition and properties of DFT, IDFT, Relation between DFT and Z–Transform	Verification on MATLAB		11/2/1961	2/19/AUT

Faculty in Charge

HOD



Discrete time signals & systems: Discrete

time signals & systems, classification of

discrete time signals and systems, LTI

linear convolution, Cross Correlation,

systems

Milind Khanapurkar Principal

Karve Stree Shikshan Sanstha's
College of Engineering for Women
Hingna, Nagpur-441110.

No.	SOUTHER BENEFIT OF THE PARTY OF	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/	Refrence Book		10 N 14 9 14		And the second
7	28 Jan-2 Feb	6		Radix- 2 FFT algorithms 1	Teaching Aid	Chapter no. Page no,edition. No J.G. Proakis, D.G.	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
8	4-9 Feb		m	convolution DF1, circular	710	Manolakis "Digital Signal Processing:	https://www.youtube.co m/watch?v=vPFHzIXZqSE			
	4-9 Feb	5		Frequency analysis of discrete time signals using DFT, Gortzel algorithm		Principles, algorithms and	The Market State S			P × 11
9	11-16 Feb	6	IV	Filter design methods – Approximation of derivatives, Impulse invariance	Verification on	applications, Pearson Education				
10	18-23 Feb			bilinear transformation,	- 47					
11	25 Feb-2			characteristics & designing of		Sessional I				-
	Mar	6		Butterworth, Chebyshev filters, frequency transformations		<u>k</u>				
12	4-9 Mar	4	IV	IIR filter structuresDirect form I-II, transpose form, parallel form, cascade, Lattice and Lattice-ladder structures		J.G. Proakis, D.G. Manolakis "Digital Signal Processing:				
13	11-16 Mar	6	v	Symmetric and antisymmetric FIR filters, Linear phase FIR filter, design of FIR filters using windows (Rectangular, Bartlett, Hanning, Hamming & Blakman)	Verification on MATLAB	Principles, algorithms and applications, Pearson Education	· ma			
14	18-23 Mar	4	1	frequency sampling method, FIR differentiators, FIR filter structures		-				
15	25-30 Mar	6	VI E	Introduction, Decimation by factor D, Interpolation by factor I, Sampling rate conversion by rational factor I/D, Sub band coding of speech signals and its applications, introduction to wavelet & wavelet transform	-	R.W. Schafer,	https://www.youtube.co m/watch?v=GbxPp_mELV M			
6				ntroduction to DSP architecture TMS		reason Education				

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Strea Shikshan Sanstha's Cummins College of Engineering for Wooken Hingna, Nagpur-441118.



CCOEW/ Department of E & TC / 17-18

Maharshi Karve Stree Shikshan Samstha's Educating Women for CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Date: 12 / 6 /

2018

LESSON & TEACHING PLAN

				CUMMINS COLLEGE OF EN	GINEERING	FOR WOMEN, NAG	PUR				
Facul	ty Name:	Prof. Sa	ındhya	a Waghmare		Subject: SATCOM		Year: 2018-19		Sem:- VIII	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no.	ICT tools	Date	Assignm ent/Tuto rial Date	HOD's sign	
1	24 DEC- 30 Dec	6	I	Introduction to satellite communication, Origin of Satellite communication, Current state of satellite communication	video	"Satellite Communication" by T. Pratt (Pg. no. 3- 15)	-	sopee.	1	20	
2	1Jan- 5Jan	5	I	Orbital aspect of satellite communication: Orbital mechanism, equation of orbit, locating satellite in orbit, orbital elements, and orbital perturbation	video:).	"Satellite Communication" by T. Pratt (Pg. No.20- 38)	-	gian.		30	
3	7Jan- 11Jan	5	I	Space craft subsystem:Attitude and orbit control system, Telemetry tracking and command power system, and communication subsystem		"Satellite Communication" by T. Pratt (Pg. No.17,22,42,68)	7	14300		120]	
4	21Jan- 25Jan	5	п	System noise temperature and T / T ratio down link design, domestic satellite system uplink design, design of satellite link for specified (C / N)		"Satellite Communication" b T. Pratt (Pg. No.11		512	•	20	



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

	28 Jan-2 Feb				Al	NANNYA			
5	4Feb- 8Feb	6	m.	FDMA, FDM / FM / FDMA, effects of intermodulation, companded FDM / FM / FDMA, TDMA, TDMA frame structure and design		"Satellite Communication" by T. Pratt (Pg. No.112,125)	15/2		<u>A</u>
7	11Feb- 16Feb	5	п	TDMA synchronization and timing, code division multiple access, SS transmission and reception, Applicability of CDMA to commercial system, multiple access on board processing SCPS system, digital speech interpolation system, DAMA.		"Satellite Communication" by T. Pratt (Pg. No.)	2812.		
	18FEB- 22 FEB				Si	ESSIONAL I			
9	25Feb-2 March	6	II	Error detection and correction, channel capacity, error detecting codes, linear block codes		"Satellite Communication" by T. Pratt (Pg. No.223- 246,258,)	1/3.	11 .	
9	4March- 8 March	5	III	error correction with linear block codes,performance of block error correction codes		"Satellite Communication" by T. Pratt (Pg. No.225,249)	2 3		
13	11March 16 March	6	v	convolution codes, cyclic codes, BCH and codes, error detection on satellite links	MATLAB for Convolution Code	"Satellite Communication" by T. Pratt (Pg. No.333,103,297)	413		
14	18March 22March	4	v	Earth Station design; antennas tracking, LNA, HPA		"Satellite Communication" by T. Pratt (Pg. No.310,315)	,		



Dr. Millind Khanapurkar Principal Maharahi Karre Stree Shikshan Sanetha's Curmins College of Engineering for Women Hingna, Nagpur-441118.

15	25 March 30 March	6	IV	RF multiplexing, factors affecting orbit utilization, tracking, equipment for earth station.	"Satellite Communication" by T. Pratt (Pg. No.273,275,280)		
20	02Apr - 07 Apr				SESSIONAL II	1	



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-41118.



Maharshi Larve Stree Shikshan Samsth s

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/ETC / 18-19

Date: / / 2018

LESSON & TEACHING PLAN for COMPUTER COMMUNICATION NETWORK

				Department of	Electronics an	d Tele Commun	ication			
aculty	Name: Palla	avi P. Gan	orkar				p ^l	Year :	2018-19	Sem: VIII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	17-22 Dec	3		Uses of computer Network, Network Software-design Issues for layers		Andrew		21/12/18		AUT
2	24-29 Dec	5]	Service primitives and relationship of services to Protocols, Reference models- OSI &TCP/IP		Tenenbaum,	https://www.youtube.co m/watch?v=LX_b2M3IzN8	29/12/11		AIT
3	31 Dec-5 Jan	6		network architectures introduction, Example of networks-X.25, Frame Relay & ATM, Protocols and Standards	Ш	Edition, Pearson Education		1/1/19		AN
4	7-12 Jan	5		Physical layer-Data rate limits, Transmission media-guided and Unguided, Switching systems-Circuit switching	Visit to BSNL	Andrew Tenenbaum, "Computer Networks", 4th Edition, Pearson Education	https://www.youtube.co m/watch?v=_R4ktHXmA g	•	3	AUT
5	14-19 Jan	***************************************			Δ	nannya 2K19				-7 77 5
6	21-26 Jan	5	II	Datagram Switching & Virtual circuit switching, Structure of circuit and packet switch, cable modem and DSL technologies	Visit to BSNL	Andrew Tenenbaum, "Computer Networks", 4th Edition, Pearson Education	1 11	.co nb0 8 \ \ \	11/1/1	9 AN

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummhins College of Engineering for Women Mingan, Nappur-44119.

EEK O.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
7	28 Jan-2 Feb	6	11,111	SONET basics, selection of IEEE std 802.11, a,b,c,g, Data link layer: Framing, Flow & Error control Protocols, HDLC, PPP		Andrew Tenenbaum, "Computer Networks", 4th Edition, Pearson Education	[8[1]19			25
8	4-9 Feb	5		Multiple access techniques, random access, controlled access & Channelization, Ethernet types-bridged, Switched, Full duplex, Fast & gigabit Ethernet, Introduction to Data link layer in 802.11 LAN		Tenenbaum,	23/1/19			al
9	11-16 Feb	6	111	Connecting devices like passive hubs, repeaters, Active hubs, Bridges, Two-layer Switches, Routers, three layer switches, Gateway etc., Backbone networks, Virtual LANs, Simple Router architecture, Sliding window protocol	Visit to CCN Lab	Tenenbaum, "Computer Networks", 4th Edition, Pearson Education	812/19		712119	AU
10	18-23 Fe	Ы				Sessional I			1	- 10 m
11	25 Feb-2			IPv4 address, IPv6 address, Address mapping-ARP, RARP & DHCP, IPv4 datagram detail format, IPv6 datagram detail format, Industrial Visit			16/2/19	1 2		AN
12	4-9 Mai	4	- IN	Flooding	Simulation or NS2	Andrew Tenenbaum, "Computer Networks", 4th Edition, Pearson Education				
13	11-16 Ma	ar 6		Distance Vector Routing, Link State Routing, Path vector routing etc., Addressing types-Physical, Logical & port address.Process to process delivery, Connection oriented & Connectionless Transport, UDP	Simulation o NS2		HOD			

HOD

Dr. Millind Khanapurkar Principal Maharshi Karre Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.



CUMMINS COLL

OF ENGINEERING FOR WOMEN



CCOEW/ Department of Electronics and Telecommunication

/ 17-18

Date: 09 / 06

LESSON & TEACHING PLAN

				CUMMINS COLLEGE OF ENGINEER	ING FOR WOMEN, I	NAGPUR			
Faculty	y Name: Prof	. Ajay Tinguria			Subject: DCFMU	18 28 5 P	(2017-18)		
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Refrence Book - Chapter no. Page no.	Completion Date	Assignment Date	Tutorial date	HOD's remark
1	17 to 22 Dec	3	1	Rivision of Binary Number System	Modern Digital Electronics Microprocessor Architecture and Programming	22-Dec			Auf
2	24 to 29 Dec	5	1	Standard representations for logic functions, k map representation of logic functions (SOP & POS forms),	Modern Digital Electronics Microprocessor Architecture and Programming	29-Dec			AJ

Actualis

Faculty in Charge

Actupuria



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hungan, Nappur-441110.

3	31 Dec to 5 Jan	6	1	min-terms and max-terms (unto 4	Modern Digital Electronics Microprocessor Architecture and Programming	4-Jan	31-12	Arj
4	7 to 12 Jan	5	1	Design Examples: Arithmetic Circuits, BCD - to – 7 segment decoder, Code converters.	Modern Digital Electronics Microprocessor Architecture and Programming	12-Jan	, 1	AUT
5	14 to 19 Jan	5	2	Adders and their use as substractor, look ahead carry, ALU, Digital Comparator, Parity generators/checkers, Static and dynamic hazards for combinational logic.	Modern Digital Electronics Microprocessor Architecture and Programming	21-Jan		Aer
6	21 to 26 jan	5	2	Multiplexers and their use in combinational logic designs, multiplexer trees,	Modern Digital Electronics Microprocessor Architecture and Programming	26-Jan		AUT

7 02 Feb Atlinguistres
Faculty in Charge

ANANNYA

Al Tugira



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-44110.

8	4 to 9 Feb	5	3	Demultiplexers,	Modern Digital Electronics Microprocessor Architecture and Programming	8-Feb		AUT
9	11 to 16 Feb	6	3	Encoders & Decoders .	Modern Digital Electronics Microprocessor Architecture and Programming	16-Feb	lg/2_	AU
10	18 to 23 Feb	0		MID TERM TEST				
11	25 Feb to 2 Mar	6	4	1 Bit Memory Cell, Clocked SR, JK, MS J-K flip flop, D and T flip-flops.Registers, Shift registers, Counters (ring counters, twisted ring counters), Sequence Generators,	Electronics	4/3		Auf
12	4 to 9 Mar	4	4	ripple counters, up/down counters, synchronous counters, lock out, Clock	Modern Digital Electronics Microprocessor Architecture and Programming	9/3		AUT

Ac Tryania



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

13	11 to 16 Mar	6		Classification of logic families, Characteristics of digital ICs-Speed of operation, power dissipation, figure of merit, fan in, fan out, Comparison table of Characteristics of TTL, CMOS, ECL, RTL, I2L, DCTL.	Modern Digital Electronics Microprocessor Architecture and Programming	16/3	10/	AU
14	05-10 MAR	6	5	Classification and characteristics of memories: RAM, ROM, EPROM, EEPROM, NVRAM, SRAM, DRAM, expanding memory size, Synchronous DRAM (SDRAM), Double Data Rate SDRAM, Synchronous SRAM, DDR and QDR SRAM, Content Addressable Memory	Modern Digital Electronics Microprocessor Architecture and	18/3		AUT
15	18 to 25 Mar	4	5	Study of PROM, PAL, PLA, Designing combinational circuits using PLDs. Introduction to microprocessor, Architecture of 8085 microprocessor,	Modern Digital Electronics Microprocessor Architecture and Programming	25/3		AUT

At Tinguis



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

16	25 to 30 Mar	6	1 0	set,Concept of assembly language	Modern Digital Electronics Microprocessor Architecture and Programming	35/3		AJ
18					Sessional	II Exam		

HOD



Maharshi Karve Stree Shikshan Samsthe's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/CE / 18-19

Date: / / 2013

LESSON & TEACHING PLAN

				CUMMINS COLLEG	E OF ENGIN	IEERING FOR WOME	N, NAGPUR			
Faculty	Name: Prof	. Pravin	Gorant	iwar		Subject: Applied Maths IV		SEM IV ET	C.(2018-19)	Sem:- EVEN
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	17 Dec- 22 Dec	5	I	NUMERICAL METHODS -I Error Analysis, Solution of Algebraic and Transcendental Equations, Method of False position, Newton-Raphson method and their convergence,Newton-Raphson method for multiple roots,	Solving example by dividing group	Engineering Mathematics by Shobhane & Tembhekar Pg. no. 9.1 To 9.10	PPT/video to solve example and algorithms of method	241248		85)
2	24 Dec- 29 Dec	1 3	I	Solution of system of simultaneous linear equations: Gauss elimination method ,Gauss Jordan method, Crout's method, Gauss-Seidel method.	Solving	Engineering Mathematics by Shobhane & Tembhekar Pg. no. 9.11 To 9.30	PPT/video to solve example and algorithms of method	31.12-18		prot
3	31 Dec 05 Jan	h	I	Numerical solution of ordinary differential equations: Taylor's series method, Runge- Kutta 4th orde method, Euler's Modified Method, Milne s Predictor- Corrector method.	r example b	Shophane of	PPT/video to solve example and algorithms of metho	071-01	9	ANT

Faculty in Charge

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.

NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
4	07 Jan- 12 Jan	5	I	Runge- Kutta method to solve Simultaneous first order differential equations, Largest Eigen value and Eigen vector by Iteration method. Tutorial 1	Solving example	Engineering Mathematics by Shobhane & Tembhekar Pg. no. 9.41 To 9.46	PPT/video to solve example and algorithms of method	09.01-19		Bul)
5	14 Jan- 19 Jan	5	п	Z-TRANSFORM Definition , Convergence of Z- transform and Properties,Inverse Z- transform by Partial Fraction Method,Residue Method (Inversion Integral Method)	Solving example	Engineering Mathematics by Shobhane & Tembhekar Pg. no. 6.1 To 6.19	PPT/video to solve example of inverse	22-01	19	po f
6	21 Jan- 26 Jan	5	п	Power Series Expansion, Convolution of two sequences, Solutions of Difference Equations with Constant Coefficients by Z- transform Tutorial	Solving	Engineering Mathematics by Shobhane & Tembhekar Pg. no. 6.20 To 6.27	PPT/video to solve example of convolutio theorem	n 24-01-1	9	But
7	28 Jan- 02 Feb				A	nannya Cultural Festiv	val			-1
9	04 Feb- 09 Feb	5	IV	Theory Of Probability Axioms of probability, Conditional probability, Bays rule, Random variables: Discrete and Continuous random variables	example	Engineering Mathematics by Shobhane & Tembhekar Pg. no. 11.02 To 11.	PPT	08.02	ASKY MEN	A MI
8	11 Feb- 16 Feb	6	IV	Probability function and Distribution function, Joint distributions, Independent Random variables, Conditional Distribution Tutorial 3	Solving	Engineering Mathematics by Shobhane & Tembhekar Pg.no. 11.09 To 11.	PPT/video for solv example of probab function	1 1 1	2-19	Str.)
10	18 Feb- 23 Feb		1			SESSIONAL	-I AST			

Hingna, Hogper-441118

Dr. Millind Khanapurkar Principal Maharshi Karre Stres Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
11	25 Feb- 02 Mar	6	v	Mathematical Expectation Functions of random variables, Varience & Standard devation	Solving example	Engineering Mathematics by Shobhane & Tembhekar Pg.no. 12.2 To 12.8	PPT/video for solved example of mathematical exceptation	\$ 4 0510		AUS .
12	04 Mar- 09 Mar	5	v	Moment, Moment generating function, Covariance, Correlation Coefficient, Conditional Expectation Other measures of central tendency and dispersion, Skewness and Kurtosis, Tutorial 4	ss, Solving example	Engineering Mathematics by Shobhane & Tembhekar Pg.no. 12.9 To 12.22	PPT	0303	3.YS	pul
13	11 Mar 16 Mar	n	III	SPECIAL FUNCTIONS AND SERI SOLUTION Series solution of differential equation I Frobanius method, Bessel's functions, Legendre's polynomia	example by dividing	Shoomane of	РРТ	13.07.	15	ANT
14	18 Mar 23 Ma	l h	П	Recurrence relations,Rodrigue' formula, Generating functions,Orthogonal properties Jn(x) and Pn(x) Tutorial 5	s of example	Shobhane &	РРТ	14.0	3.19	ANT
14	25 Ma 30 Ma		V	Probability Distribution Binder distribution, Poisson distribution, Normal distribution, Relation between Binomial, Poisson a Normal distribution, Central Letheorem, Exponential Distribution	on, Solvin on example and dividi dividi	shobhane & Tembhekar	example of Pro distributi	bability	9.03.19	(Ke)
16	01 Ap		+			Sessi	onal II			

HOD



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441110.



Maharshi K rve Stree Shikshan Samstha & CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/ETC / 18-19

LESSON & TEACHING PLAN

aculty	Name: Pro	of. A. A. B	aseshai	CUMMINS COLLEGE O		Subject: EMF	V '	SEM VI ET	C (2018-19)	Sem:- EVEN
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completio n Date	Assignment/T utorial Date	HOD's sign
1	13 Dec - 19 Dec	3	14767	Workshop on Embedded Systems	Hands on 8051 programming, Arduino programming, LCD module, relay, DC motor interfacing, Serial and GSM based communication	8051 Microcontroller By Majidi Ali	PPT+ Hardware Kit +Software tool	13 Dec		970
2	20 Dec - 21 Dec	3_		Introduction to Cartesian, Cylindrical coordinate system	Numericals and daily life example	Engg. Electromagnetics by Hayt	Chalk and Board	d 21 Dee	2	AU
3	26 Dec - 29 Dec	5	1.	Spherical coordinate system Differential Length, surface and volume		Llectromagnetic	Chalk a	Street, Street	ec	A



Dr. Millind Khanapurkar
Principal
Maharshi Karve Stree Shikshan Sanstha's
Cummins College of Engineering for Women

4	31 Dec - 5 Jan	7		Electric field intensity, flux density, Gauss's law, Divergence, Divergence Theorem	Daily Life example and Numericals	Engg. Electromagnetics by Hayt	PPT and NPTEL Video	STAN	AN
5	7 Jan- 11 Jan	6		Electric potential and potential gradient.	Numericals	Engg. Electromagnetics by Hayt	PPT and NPTEL Video	LITAR	AU)
6	14 Jan - 19 Jan	7		Laplace and Poissons equations Current density and continuity equation, Biot- Savert's lawAmpere's circuital law	Performing experiment of Biot Savart Law in Lab	Engg. Electromagnetics by Hayt	PPT and NPTEL Video	HATEI	M
7	21 Jan - 25 Jan	7	П	Applications, Magnetic flux and Flux density, Scalar and Vector magnetic potentials. Maxwell's equations for steady fields		Engg. Electromagnetics by Hayt	PPT and NPTEL Video	25 Seerl	707

ANNANYA



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

8		5 Feb - 8 Feb	6	m	Maxwell's equations or time varying fields. Electric and magnetic boundary conditions. Electromagnetic wave equation, wave propagation in free space.	Numericals and daily life example	Engg. Electromagnetics by Hayt	PPT and NPTEL Video	esteb		ÐŢ
5	,	11 Feb - 16 Feb	7		Numerical Practice Based On Maxwell's equations	Numericals	Engg. Electromagnetics by Hayt	-	5 Feb	15 feb Ansomb	₩

SESSIONAL - I (18 Feb - 23 Feb)

Mi Turania

Hod

Subject Teacher



Dr. Milind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanstha's Cummins College of Engineering for Women Hingna, Nagpur-41110.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completio n Date	Assignment/T utorial Date	HOD's sign
10	25 Feb -2 March	6		Wave equation in a perfect dielectric, and perfect conductorskin effect, Poynting vector		Engg. Electromagnetics by Hayt		2/05		AU
11	4 March 8 March	5	IV	Poynting theorem reflection and refraction of uniform plane wave at normal incidence, Planereflection at oblique incident angle, Introduction, wave equation in Cartesian coordinates.		Engg. Electromagnetics by Hayt		63103		AJ
12	11 March - 16 March	6	v	Rectangular waveguideTE, TM, TEM waves in rectangular guides wave impedance.				1610	· ·	AU)



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingna, Nagpur-441118.

13	18 March - 23 March	6		Power radiated and radiation resistanceapplication to short monopole and dipole.			0215	AUT
14	25 March -30 March	6	VI	Antenna Efficiency, Beamwidth, Radiation Intensity, Directive Gain Power Gain & Front To Back			3010	AUT
	1 April - 8 April					. \		n. /

Subject Teacher

Hod



Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Cummins College of Engineering for Women Hingan, Nappur-441118. Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Department of Mechanical Engineering

(ACADEMICYEAR 2022-23 to 2018-19)

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in







Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference







Academic year

2022-23

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in







	CUMMINS COLLEGE OF ENGINEER Samethar
	CUMMINS COLLEGE OF ENGINEERING FOR
	the forest with a de
ur / 22-23	

CLUTTING TO STATE OF THE PROPERTY OF THE PROPE

Same	: Prof. I	Dr. Sha	ilesh Khekale Department of Mechanical Engi		1				-	Verr!	2022-23	Sem:- 1\
T							Sub: Machining Proce	sses	Sect	Year:	2022	
Neck	No. Of Lect.	Unit No.		Topic ID	PPLID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition.	link for quiz or poll	Complet ion Date	Assignmen t/Tutorial Date	AC's sig
			Introduction to machining & Machining Parameters	ME4MPW01D200323L01	MP_ME_ppt_01			No	243	21/3	-	
25	4	1	Nomenclature and tool geometry of single point cutting tool		MP_ME_ppt_01		Sharpening of pencils by		271	21/3		
ch	4	1	Theory of Metal Cutting, Chip formation,	ME4MPW01D230323L03	MP_ME_ppt_01		sharpener to understand the			27/3		
1			Tool materialand it's properties, classification, HSS, carbide tool, coated tools, diamond coated tool	ME4MPW01D240323L04	MP_ME_ppt_01		naterial removal	PN Rao Ch.4. p.		28/3		
1			Orthogonal and Oblique cutting	ME4MPW02D2703023L05			Cutting of potato,	116-146 Chrg p.464-479, 5		28 8		1
1			Mechanics of Metal Cutting	ME4MPW02D27030231,06			cucumber to understand the	K Jain p. 441-46	4	29/3		
7	5 1	I	Merchant's circle, Estimation of tool life, Feed and depth of cut on power requirement	ME4MPW02D2703023L07			Use of different kichen tools like			29/3	-	1
-L pril			influence of tool angle, cutting fluids, cutting speed, feed and depth of cut on power requirement, Estimation of tool life.	NE-4N0/W02D2703023L09			knife, vegetable piller etc with variation in		-	31/3	3	
			Lathe: Introduction and types, Mechanism and attachments for various operations,	ME4MPW02D2703023L09			angle,depth of cut	1 000		114		11
T			Construction of simple lathe	ME4MPW03D1104231L10			Concept of lathe			3/4		11
1			Machine specifications basis for selection of cutting speed	ME4MPW03D1104231L11			machine by taking			3/4		1
	4	п	Machine specifications basis on feed and depth of cut	ME4MPW03D1104231L12			lead pencil with sharpener in fixed	12.37		4/4		
Į.			Time estimation for turning operations such as facing, step turning	ME4MPW03D1104231L13			position	55, Hajra P		414		
1			Time estimation for taper turning, threading, knurling	ME4N@W04D1004231L13			shaper/planer	to 110 and	R	419		
I			Introduction to Capstan & Turret Lathe and fundamentals of NC.	ME4MPW04D1004231L14			machine can be explained by keeping	K Jain p. 44 464	1-	6/4		h
	5	п	Shaper: Introduction and types	ME4MPW04D1004231L15			cucumber in horizontal position.			714		1
			Specification, description of shaper machines,	ME4MPW04D1004231L16			fixed by hand on on			7/4		
			Hydraulic drives in shapers, cutting parameters	MEHMPW04D1004231L17			side and using vegetable piller from	n		10/4		
t			Sessional	1								4
	1		Mechanism of shaper. Quick return mechanism, Crank & slotted link mechanism	ME4MPW05D240423L18						100	1	
			Table feed mechanism, attachments for shaper, work holding devices	ME4MPWUSD2404232.19				1		11/4	1	
	4	11	Planer Introduction, specifications description type of planner, open side planner, pit planner	ME4MPW05D240423L20				Garg p.46		nl	4	1

en

Faculty in Charge

(July





Hrek	No. Of Lect.	No.	Exact Topic Name & Subtopic	Topic ID	PPLID	Video ID	Activity/ Virtual lab link Teaching Aid	Page no,edition.	link for quiz or poll	Assignmer t/Tutorial Date	AC'S SI
			Mechanism for planner: Driving mechanism, feeding mechanism, planner cutting tools, cutting parameters.	ME-4MPW05D240423L21				No 10 10 10 10 1111			V
-	-		Milling Machine: Specification, types, column & knee type milling machine	and anobtottical				p. 441-464	217/4		+
			Fixed bed type milling machines, production milling machines.	ME4MPW06D0205231.22						1	4
2-6	4	ш	TIME OF STATE OF THE STATE OF T	ME4MPW06D020323L23		100	Students elaborated Milling machine		3	1	100
May	4		Special purpose milling machines such as thread milling Machines	ME4MPW06D020523L24			and it's parts with their function		18/8	1/	
			Profile milling machine, Gear Milling/Hobbing machines	ME4MPW06D020523L25				Hazra p. 56-79 RKJain, ch 23, p 719-725	17/4	1	
			Types of milling operations,	ME4MPW07D080523L26					21/4		
F 12	1	III	Tool geometry & their specifications	ME4MPW07D080523L27				Hazra p. 56-			
Ulex	1		Mechanisms & Attachments for Milling, Cutting, parameters,	ME4MPW07D080523L28		-		79 RKJain,	211		
			Indexing-simple, compound and Differential Indexing.	ME4MPW07D080523L29				ch. 23, p 719- 725	2/2		
-			Grinding operations, grinding wheel, Specifications & selection, cylindrical & centreless grinding operation,	ME4NEWUND1303231.30	MP_ME_ppi_02		Concept of	Hazra ch. 7,	215		
15-20	5	IV	Surface grinding, tool & cutter grinding, time estimation for grinding operations.	ME4MPW08D150523L31		MP_IM_V	Grinding process with Emery paper	p.297-324.	5/5		
May			Super finishing process: Honing, Lapping, polishing, buffing, 'polishing, buffing, 'metal spraying, Galvanizing and electroplating	MEAMPWORD1505231,32		1	with different grades and wooder	RKJain, ch. 23, p 719-72			
			Process parameters and attainable grades of surface finish, surface measurement. Specifications & selection, cylindrical grinding operation	MEASIPW09D150523L33			part	Hazra ch. 9, p. 347-356	915		
			Attainable grades of surface finish surface measurement	ME4MPW09D150S23L34					2/8		-
22-26 May	4	TV	Drilling: introduction, tools for drilling, classification of drills, twist drills, drill size and specifications, tipped drills, type of drilling machines-portable drilling machine.	MEAMPW09D150523L35					9/5		1
			Bench drilling machine, right drilling machine, radial drilling machine, universal drilling machine,	ME4MPW09D150523136		1000	Use of sharp tip of grater to make hol	e	12/5		
			Multisided drilling machine. Drilling machines operations, time estimation for drilling.	ME4MPW09D150523L37			in Potato to understand the	Hazra ch 11, p. 397			1
29- 31 May	3	IV	Reaming Introduction, description of reamer, type of reaming operations. Boring: Introduction, types of boring machine. Horizontal boring machine, vertical boring machine, ijigmachine, microboring. Boring operations.	ME4M0/W09D130523L38			concept of drillin	406,	20/5		
21763)			Broaching: Introduction, type of broaches, nomenclature of broaches, types of broaching machines.	ME4MPW09D150523L39				100	22/5		
S June S June			Sessional II				T. T. Street			70 1 1 1 1 1	

Sub. Teacher

- red

Faculty in Charge







Maharshi Kave Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Acamen with a difference



CCOEW/ME / 22-23

				LESS	SON & TEACHING PL	AN				
				CUMMINS COLLEG	E OF ENGINEERING FOR V	VOMEN, NAGPUR				
culty 1	Name: Prof.	Yogesh V	. Dandel	qr		Subject: MoM		SEM 4 (2022-23)	Sem:- 4
No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	8-10 Mar 2023		1	Types of stresses, strains and stress-strain diagram for brittle & ductile material, elastic limit, Hook's law, modulus of elasticty, rigidity & bulk modulus. FoS, analysis of tapered rod, Composite section, Thermal stress and starin,	students performed tensile tests on different materials, ppt, google classroom	Strength of Materials by R K Bansal, Strength of material by R S Khurmi, Pg. No 12-16, 838, & (91)-(107)	ppt	10-Mar-23		<
2	20-24 Mar 2023		1	Longitudinal strss &strain, lateral stress & strain, Poisson's ratio, Volumatric stress & strain, uni-axial, bi-axial & tri-axial loading.	NPTEL video	Strength of material by R. S. Khurmi, Pg. No 12-16, 838, & (91)-(107)	NPTEL video	24-Mar-23		
3	27 Mar - 1 Apr 2023		2	SFD & BMD diagrams for different types of beams & loading conditions. Relation between load, SF & BM.	using of MD Solids software to understand SFD BMD concept	Strength of material by R. K. Rajput, Pg. No 206-260	Video from YouTube (Ekeeda)	1-Apr-23		
4	3-7 Apr 2023		2	Theory of pure bending, expression for bending stresses, derivation of bending equation. Section modulus. Shear stresses in beams, concept & derivation of shear stress distribution formula, shear stress distribution diagram for common symetrical sections. Max & avg shear stress	google classroom	Strength of material by R. S. Khurmi, Pg. No344-383	google classroom	4-Apr-23		.)
5	10-15 Apr 2023		3	Principle planes & stresses, definition of principle planes & stresses, Analytical method for determining stresses of oblique section when member is subjected to direct. Mohr's circle representation of principal stresses stresses in one plane in mutually perpendicular planes, Analytical method for determining stresses of oblique section when member is subjected to shear stress & direct stresses in one plane in mutually perpendicular planes, volumetric stress & starin with uniaxial, biaxial & triaxial loading. , Bulk modulus, relation between Young's modulus, bulk modulus & modulus of rigidity		Strength of material by R. S. Khurmi, Pg. No344-383	padlet	15-Apr-23		
					Se	ssional -I	*			
6	17-21 Apr 2023		4	deflection & slope of diffrenet types of beams at different loading conditions. Macaulays method.	students designed different types of beam sand calculate their slope and deflection at various points	Strength of material by R. S. Khurmi, Pg. No 470-489	google classroom	20-Apr-23		
7	1-6 Ma 2023		4	Torsion of circular shafts Derivation of torsional equation Stregth & rigidity criteria for shaft design. Solid & hollow shaft. Equuivalent twisting & bending moment.	google classroom	Strength of material by R. S. Khurmi, Pg. No 653-678	google classroom			
-					I	^				

Salv.

Faculty in Charge

HOD





EEK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
8	8-12 May 2023		5	Strain energy, & impact loading, definition of strain energy stored in a body when subjected to gradually applied load, Suddenly applied & impact loads. Strain energy stored in bending & torsion. Factor of safety, statastical methods in determining tos, theories of failure. Compound stresses, ecentric axial loading.	students perfored impact testing to understand the concept of strain enegrgy	Design of machine elements by B.D. Shiwalkar Chp 4, Pg 4.1-4.9	google classroom			2
9	15-20 May 2023		5	Short & long column, expression for Euler's & Rankines crippling load. Limitations of Euler's formula.	google classroom	Strength of material by R. S. Khurmi	google classroom			1 he

Γ				ĺ
- 1	7-13 June	1 1	Sessional II	ĺ
1	2023	1 1		i
- 1	200000	1 1		



Dr. Millind Khanapurkar Principal Maharsh Karus Stree Shikahan Sanema's Tunnias College of Engineering for Moster Hopps, Appor-441119

Gyr.

ml

. .



Maharshi Karve Stree Shikshan Sams **CUMMINS COLLEGE OF ENGINEERING FOR WOMEN**





CCOEW	V/ME / 22-	23		LESSON & TEACHING PLAN :	Florid Machanics and Hoo	leaville Machines			
					of Mechanical Enggineering				
aculty	Name: Pro	f. Prasann	a Mahai	nkar	Sub: Refrigeration and A	ir Conditioning	Year:	Sem:- IV	
NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tu torial Date	AC's sign
				Types of fluids, Mass Density, Specific Weight, Specific Gravity	The Street		2013/23		
				Newton's Law of Viscosity, Dynamic Viscosity,		3	21/3/23		
1	20-24	4		Stroke's Theorem, Surface Tension, Capillarity, Compressibility,	Demo on set up/		23/3/23		
1	March		I	Vapour pressure.Introduction of Fluid Kinematics, Types of Flow- steady, unsteady,	Animated Videos		24/3/23		
				uniform, non-uniform, laminar, turbulent.			24/3/23		
			Dr. R. K. Bansal, 9th Edition, Chap.1 and 2,						
				Fluid Statics :- Pressure, Measurement of pressure using manometers,		- 3, 1-34 and 35-68, 69- 100	27/3/2	3	
				Hydrostatic law, Pascal's law, Pressure at a point, Total pressure,			2813123		3
	7 March -	5	~	Centre of pressure, Pressure on a plane (Horizontal, vertical, Inclined) and Curved Surfaces,	Demo on set up/ Animated Videos	HOD (M. P. SH	JUB 21/3/2	3	
cult	y in Cha	arge	mo			HOD (M.			





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tu torial Date	AC's sign
				Archimedes's principle, Buoyancy and stability of floating and submerged bodies,		Deal Control	31/3/33		
				Metacentric height		The state of the s	2913123		
				TCRT					
				Numericals on Unit I			1/4/23		
				Numericals on Unit I Introduction to Navier-Stroke's Equation,			3/4/23		
					Smart Class Room	Dr. R. K. Bansal, 9th	5/4/23		
3	3 - 8 April	5	II	Euler equation of motion along a stream line,		Edition, Chap.6, 259- 316	6/4/23		
				Bernoulli's equation, application of Bernoulli's equation to pitot tube,	of Bernoulli's	The state of the s			
				TCRT		335	5/4/23	5/4/23	6
				venturi meter, orifices, orifice meter.			10/4/23		120
4	10-15 Apri	5	II	Numericals on Bernoullis Equation		Dr. R. K. Bansal, 9th Edition, Chap.6, 259-	1014/23		
				Numericals on Bernoullis Equation		316	1114123	90 9	
				TCRT			12/4/23		
						\bigcap	13/4/23		
Fac	ulty in Cl	narge	000	Laminar And Turbulent Flow :- Definition, Relation between pressure and shear stresses,		HOD (M. P. S.M.	N> 15/4/23		





100	VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tu torial Date	AC's sign
1	5	17-21 April	5	II			Dr. R. K. Bansal, 9th	17/4/23		
					Turbulent flow and velocity distribution.		Edition, Chap. 9 and 10, 387-396, 433-445	18/4/23	3.	
					TCRT			19/4/23		
ı					Sessional I (24 -28 April)					
	6	29-Apr	•	III	Flow Through Pipes :TEL,	ppt		2014/23		
۱					Siphons, Transmission of power. Dimensional Analysis,	1		2/5/23		
ı					Numericals (TCRT)		Dr. R. K. Bansal, 9th	315/23		
	7	2-6 May	5	III	Numericals		Edition, Chap. 11, 465-	315/23		
					Dimensional Homogeneity, Rayleigh method			5/5/23		Culi
ı					FERT TCR9			615/23	-	
ı					Buckingham's pi -Theorem.			615123		
ı					Introduction to Similitude and model testing.			815123		
ı					Turbo Machine classification, Elements of		Dr. R. K. Bansal, 9th	915123		
ı		8 - 12 M	ay 5	III	Impulse Turbine:- principles of operation,		Edition, Chap. 18, 465- 558 and 853-944	12/5/23		
ı					constructional features Velocity		h (.	(Out		
ı					Diagram and Analysis, Design parameters,		we R. S.	12/01/23		
	1	aculty in	Charge		TCRT		HODEN	10127		
	Г	acuity III	Charge	900						





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tu torial Date	AC's sign
				Performance characteristics, Governing. Reaction or pressure Turbine:- principles of operation, Classification,			12/5/23		
9	15 -21 Ma	y 6	IV	Degree of reaction, comparison over Pelton Turbine, Draft tube, Cavitation in Turbine, Numericals	Demo on set up/		1815/23		
					Animated Videos		2015/23		
				Propeller Turbine, Kaplan Turbine: - Constructional features, Velocity Diagram and analysis,			2015/23		
				TCRT			17/5/23		
				Centrifugal pumps:- Principle of operation, Classification Component of Centrifugal Pump			22/7/23	22/5/23	
10	0		VI	Various heads, Velocity triangles and their analysis, NPSH	Demo on set up/	Dr. R. K. Bansal, 9th	23/5/23		
	22 -26 M	ay 5		Numericals		Edition, Chap. 18, 19, 20, 853-944, 945-992,	23/5/23		
				Cavitation's in pumps, Installation and operation,		993-1000	23)5/23		
				Performance characteristics, Introduction to selfpriming pumps			2315/23		/ hauts
				TCRT			23/5/23	V	
				Numericals			24/5723	1	
				Reciprocating pump: Basic principle, Classification, Main Components, Slip,		hal	2415123		
Fa	culty in	Charge	go -			HOD			





WEEK No.	Week 29 - 31	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tu torial Date	AC's sign
11	May	3		Work Done, Indicator Diagram, Cavitation's, Air vessels,, Neeia	Demo on set up/ Animated Videos		25/5/23 25/5/23		
					Sessional II				

Sub. Teacher

HOD

Faculty in Charge

HOD (MAR. SHUME)







Maharshi Sarve Stree Strikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starten of Engineering Accorden with a difference



CCOEW/MECH / 22-23

Date: 15/ 01 / 2023

LESSON & TEACHING PLAN for Production Planning & Control

					Departmen	t of Mecha	nical Dep	artment					
Facu	Ity Name: D	r. Mahe	esh S	hukla				Sub: Industrial N	Management		Year:	2022-23	Sem:- VI
WEE K No.	Week	No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic	Gate	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Compl etion Date	Assignm ent/Tut orial Date	AC's sign
1	23 Jan - 27 Jan				SKILL	DEVE	LOP	MENT W	EEK				
				Introduction, PPC, Functions			-87			i i			
				objectives of PPC, Production Procedure									
2	1 feb-7 feb	4		Production Procedure, Information Requirement of PPC		IM Unit	6:		INDUSTRIAL éngineering & Production	4			
				Manufacturing Methods and PPC		1 ppt 01			Management by Martand Telsang 228-23				
				Manufacturing Methods and PPC									
3-	8 Feb-14	4		Manufacturing Methods and PPC					1 jule				





E .	Week	No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic Gate	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Compl etion Date	Assignm ent/Tut orial Date	AC's sign
	160			Product Life cycle,								
				Product Design			± (e			- 1		
				Demand Forecasting								
	15 Feb-21			Forecasting & Prediction				INDUSTRIAL engineering &				
4	Feb	4	2	Long term and short term forecasting	IM_Unit 2_ppt_01			Production Management by Martand Telsang				
				Long term and short term forecasting				210-227				
				Time series analysis . Least square method			9.5					
5	22 feb - 28 Feb	. 4		exponential smoothening, MA Forecasting								
				Capacity & Process Planning								
				Measures & Measures capacity, Factors Influencing effective capacity				INDUSTRIAL engineering &				
6	06 Mar-10 Mar	4		Factors favouring over capacity and under capacity, aggre	IM_Unit			Production Management by				
				linear programming approach, MPS				Martand Telsang				
				Process Planning				238-252				
				line balancing		2	*					
7	13 Mar-17	m	100	MACHINE PLANNING				i Die	35	-		





E C	Week	No. Of Lect.	Uni	Exact Topic Name & Subtopic	Sate F	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Compl etion Date	Assignm ent/Tut orial Date	AC's sign
			4	Manpower Planning problems on line balancing		M_Unit _ppt_01							
8	8-21 Mar irst Sessional						Session	al1					
-	23.84			inventory control					INDUSTRIAL				
9	23 Mar -28 Mar	m		Types of Inventories resons, benefits, costs associated		IM_Unit 4_ppt_01			engineering & Production Management by				
			4	cost relationships, safety stock,					Martand Telsang 324-354				
			4	inventory Models				+1					
10	14 Mar- 1 Mar	19		problems on inventory control		*							
		4		mrp, mrp-1					INDUSTRIAL				
		-		5 lot size consideration		IM_Uni 5_ppt_0		7.0	engineering & Production Management by				
	21 Mar-	26		production controld loading		87			Martand Telsang265-284				
11	Mar		4	scheduling									
				sequencing		23							





VEE K No.	Week	No. Of	Uni t No.	Exact Topic Name & Subtopic	Gate	PPt ID:	Video ID	Activity/ Virtual lab link 'Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	compi	Assignm ent/Tut orial Date	AC's sign
				priorty sequencing			N. E.						
12	28 Mar- 02 april	4		dispatching					TATALICADI VI				
			6			IM_Unit			industratal engineering & Production Management by				=
		,		problems					Martand Telsang300-323	= 1			
13	04 Apr- 09 April	4		problems	= 2		3			*			
				problems				- e :					

Sub. Teacher

Ac







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/ME/ 22-23

Date: 15/01/2023

LESSON & TEACHING PLAN

Name: Dr.		A. Bh	ive .		Subject: EC2			SEM: V	(2022-23)	
Week	No. Of Lect.	R THEODOLOGICAL		Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No		GATE/TCRT	Completion Date	Assignment/T utorial Date	HOD's sign
			classification, components of I.C. Engines					30/1		0
30 Jan- 4			valve and port timing diagram	Green board,	Thermal			31/1		
Feb 2023	5	'	lag, detonation Combustion in C. I. Engine, stages of combustion, delay	Digital Board, Youtube Videos						
			period, diesel knock abnormal combustion in S.I. and C.I. engines, detonation							/
			and knocking. Fuel injection in I. C. Engines: Fuel supply to S. I. Engine,				GATE			
			carburetion, simple carburetor, components, operation, MPFI.	Green board, Digital Board,						
6-11 Eab			Fuel supply to C. I. Engine, Fuel pump amd fuel injector, Modern Ignition System for S.I. Engines,	Youtube Videos	Thermal			07/2		
2023	6	I,II	Electric and Hybrid Vehicles		Engineering R K Rajput 3rd Edition			08/2		
			measurement of indicated, friction & brake power,				GATE	00/2		
			of indicated & brake thermal efficiency,				GATE	10/2		
			efficiency,	Green board				12/2		1
	4	- 11	calorimeter,	Digital Board,	Engineering R K			12/2	Assignments	1
			influencing the performance of I C engines,	100,000 7,000	Rajput 3rd Edition		GATE	15/2		
			To the state of th				GATE	16/2		
								18/2		
20-24 Feb					Thermal					
2023	6		efficiency,	Youtube Videos		lac4cbf3/gas-turbine		21/2		
			application of gas turbine pressure losses, effect of intercooling, reheat & regeneration,				GATE	12/2		
	30 Jan- 4 Feb 2023 6-11 Feb 2023 13-18 Feb 2023	30 Jan- 4 Feb 2023 5 6-11 Feb 2023 6	Week Of Lett. No. 30 Jan- 4 5 1 6-11 Feb 2023 6 I,II 13-18 Feb 2023 4 II 20-24 Feb 2023 6 II,III	Week Of Lect. Valid	Unit No. Exact Topic Name & Subtopic Activity/ Virtual lab link Teaching Aid	No. Unit No. Exact Topic Name & Subtopic Activity/ Virtual lab link Teaching Aid Refrence Book-Chapter no. Page no. edition. No	No. Unit Exact Topic Name & Subtopic Activity/ Virtual lab Refrence Book Chapter no. Page no. edition. No Unit No. Internal Combustion Engines: Introduction, classification, components of L.C. Engines working of two stroke and four stroke S.I. and C.I. Engines, valve and port timing diagram Green board, valve and port timing diagram Combustion in C.I. Engine, stages of combustion, ignition lag, detonation Combustion in C.I. Engine, stages of combustion, delay period, diesel knock abnormal combustion in S.I. and C.I. engines, detonation and knocking, simple carburetor, components, operation, MPFI Fuel supply to C. I. Engine, Fuel pump and fuel injector, Modern Ignition System for S.I. Engine, Green board, Digital Board, Youtube Videos Thermal Engineering R.K. Rajput 3rd Edition Rajput 3rd Edition Rajput 3rd Edition Thermal Engineering R.K. Rajput 3rd Edition Rajput 3rd E	No. One No. One No. No. Exact Topic Name & Subtopic Activity/ Virtual lab link Teaching Ald link Teachin	Week Or Lect No. Exact Topic Name & Subtopic Activity/ Virtual lab Ink Teaching Ald Ink Teac	No. Unit lect. No. Unit lect. No. Unit lect. Exact Topic Name & Subtopic Activity/ Virtual lab flink Teaching Aid Internal Combustion Engines: Introduction, classification, components of LC. Engines No. edition, N

College of English Hingha, See Hingha, See Hingha, See Hinghan, See Hi

Dr. Millind Khanapurkar Principal Maharik Kiras Shrashara Sanetha's 'unnins College of Engineering for Women Nagara Alapsys Alapsys

_	1									
				fuel-air ratio, combustion efficiency, performance calculation,					24/2	
	27 Feb- 4			open cycle &closed cycle gas turbine	Green board, Digital	Thermal	+		24(2	
5	Mar 2023	5	III, IV	plants cogenerations & combined power cycles	Board, Youtube	Engineering R K			LSIZ	
	WWW 2023			Axial Flow Turbines	Videos	Raiput 3rd Edition	-			
				Simple turbojet cycle, Tuboprop, Ramjet		nojput stu cultion	-	CITT	26/2 27/7 28/2	
				Pulse Jet Rocket				GATE	2717	
				performance parameters like thrust power, propulsive				GATE	28/2	
				power.					01/0	1/
			100	Thermal efficiency, propulsive			-		01/3	
6	6-10 Mar	5	IV	efficiency, overall efficiency,		Thermal			02/3	1
0	2023		10	Chemical Rockets, types of propellants and their		Engineering R K	-		0013	-/-
			4 1	properties, cryogenic propellant,		Rajput 3rd Edition			03/3	
				Numericals			-	GATE	04/3	
			111	Numericals			-	GATE	05/2	
7	13-18 Mar			S				GATE	03/3	
1/4	2023			Sessional 1				100		
				Refrigeration: Introduction, definition & unit of					4-1	
				refrigeration,	Green board,				20/3	
	20-24 Mar			con	Digital Board,	Thermal			1-	
8	20-24 Mar 2023	5	IV,V	COP single stage vapour compression refrigeration system	Youtube Videos	Engineering R K			21/3	
	2023		1	effect of subcooling and superheating on COP with Ph and	Control Control Control Control	Rajput 3rd Edition			22/3	
			3	T-S diagram						
				Vapor absorption refrigeration system				GATE	23/3	
-				refrigerants, Ozone depletion				GATE	7413	
	27.44			Numericals		Thermal			23/3	
9	27 Mar-1	4	V	Numericals		Engineering R K	L		28/3	
	April 2023	100		Air conditioning: Introduction,		Rajput 3rd Edition		GATE	29/3	
				psychometric properties,	Green board, Digital	Discouling the Control of the Contro		GATE	30)5	
				psychometric properties,	Board, Youtube				01/4	
				psychometric processes	Videos	Thermal			2/50	
10	3-7 April	6		psychometric processes		Engineering R K			04/4	
	2023			Numericals		Rajput 3rd Edition			5/4	
				Numericals				GATE	61.4	
_				Split air conditioner, Inverter Air conditioner				GATE	7/4	- w
				Reciprocating compressors: - Construction and working,					10/4	
				isothermal, polytropic & adiabatic compression process					10/9	
	10-14 April			work done with and without clearance, P-V diagram					11/4	
1	2023	5	V	volumetric efficiency, effect of clearance, isothermal						
	2023			efficiency					1214	
		-		efficiency					1314	
				Numericals					14/4	
				Principle, operation, Roots blower, vane type						
	5.25			screw type , lobe type indicator diagram, work done,					14/4	
	17-21 April		1	Centrifugal compressor: - Principle, operation, parts, velocity	Green board,	Thermal			18/4	
12	2023	5		Axial flow compressor: - Principle, operation, parts, velocity	Digital Board,	Engineering R K			19/4	
	LULS			velocity diagrams	Youtube Videos	Rajput 3rd Edition		GATE	20/4	HERE !
				Numericals			-	CATE		-
				vuncreas				GATE	21/4.	

Er. N Thoma.

Head Dept. d. Mech Enga.

CCO EM, Nagpur







Maharshi Ke e Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

CCOEW/Mech/ 22-23

Date: 30/1/2023

LESSON & TEACHING PLAN for AMT

Departmen	t of Ma	chanica	Enga

aculty	Name: Prof	f. Vikram I	Dandeka				Sub: AMT				Year:	2022-23	Sem:- 6th
NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Gate/TCRT	Completion Date	Assignment/Tu torial Date	AC's sign
				Non Traditional Machining process	AMT_ME_pp t_01	AMT_ME_V _01	will take examples of				30/1		
				Need, classification & historical development.	AMT_ME_pp t_02	AMT_ME_V _02	Debut on design				1/2		
	30 Jan - 4			Economics & application of Non- Traditional machining processes.	AMT_ME_pp t_03	AMT_ME_V _03	various metals	Production Technology-			2/2		
1	Feb	6	1	High speed grinding	AMT_ME_pp t_04	AMT_ME_V _04	202112	R.K.Jain. Ch. 10. pg.342. ch.20.			3/2		
				Hot and Cold machining.	AMT_ME_pp t_05	AMT_ME_V _05	discuss on clamps fixed on wall of	pg.625-633		3/2/2023	4/2	4/2	
				Types of machining.	AMT_ME_pp	AMT_ME_V _06							
					AMT_ME_pp	AMT_ME_V _07					6 2		
				Abrasive jet Machining Processess and process parameter and material removal rate.	AMT_ME_pp t_08	AMT_ME_V _08	Discussion on types of joint				7/2	/	Vacce
2	6 Feb - 10 Feb	6	2		AMT_ME_pp t_09	AMT_ME_V _09		Production Technology- R.K.Jain. Ch. 11.			8/2		1
					AMT_ME_pp t_10	AMT_ME_V _10		pg.389.			9/2		
				ultra sonic machining process and material removal rate.	AMT_ME_pp t_11	AMT_ME_V _11				10/2/2023	10/2		
					AMT_ME_pp t_12	AMT_ME_V _12					11/2		

Faculty in Charge





VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Gate/TCRT	Completion Date	Assignment/Tu torial Date	AC's sign
					AMT_ME_pp t_13	AMT_ME_V _13					13/2		
				Water jet machinig ad process parameters.	AMT_ME_pp t_14	AMT_ME_V				96-1911	4/2		
3	13 Feb -18	6	2		AMT_ME_pp t_15	AMT_ME_V _15		Production Technology-			15/2		
3	Feb				AMT_ME_pp t_16	AMT_ME_V _16		R.K.Jain. ch.20. pg.625-633			16/2		
				Abrasive water jet machining and processes parameter and material remo0val rate.	AMT_ME_pp t_17	AMT_ME_V _17				17/2/2023	17/2		
					AMT_ME_pp t_18	AMT_ME_V _18							
				Electro-Chemical Machining	AMT_ME_pp	AMT_ME_V					20 2		
				Electro chemistry of ECM.	AMT_ME_pp t_20	AMT_ME_V _20	weld				21/2		
4	20 Feb -24 Feb	6	3	Electrochemical Grinding	AMT_ME_pp	AMT_ME_V		Production Technology-			22/2		
4			3	Electro Discharge machining.	AMT_ME_p	p AMT_ME_V _22	examples of	R.K.Jain. ch.20. pg.625-633			23/4		
				Electro discharge machining proce parameter.	t_23	p AMT_ME_V _23	diagram on			24/2/2023	24/2	24/2	h
				Laser Beam machining.	AMT_ME_p t_24	p AMT_ME_V _24							11 On
5	27 Feb - 4 Mar							annya Cultural Event					4
					t_25	p AMT_ME_V _25					13 3		
	1 100			Electro beam machining.	AMT_ME_p t_26	p AMT_ME_V _26				English Street	14/3		
6	13 Mar - 18	8 5	3		t_27	p AMT_ME_V _27		Production Technology-			15/3		
	Mar				t_28	p AMT_ME_V _28		R.K.Jain. ch.24. pg.825-1023			16)3		
				Plasma arc machining process, material removal rate.	t_29	P AMT_ME_V _29				3/3/2023	17/3		
					AMT_ME_pp	AMT_ME_V _30					18/3		
7	18 Mar -21 Mar							Session	al 1				





No.	Week	Lect.	No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Gate/TCRT	Completion Date	Assignment/Tu torial Date	AC's sign
				Stud welding.	AMT_ME_pp t 37		7.10				1		
				Solid Phase welding techniques	AMT_ME_pp	AMT_ME_V 38					28/3		
8	23 - 24 Mar	5	3	Ultrasonic welding	AMT_ME_pp t 39			Text book of Manufacturing			243		
•	23 - 24 IVIAI			Friction welding,	AMT_ME_pp t 40			technology Ch. 14 pg.625-633			253		
				Stud welding	AMT_ME_pp t 41			pg.625-633		10/3/2023	25/3		
				Stud welding. Solid Phase welding techniques such as Ultrasonic	AMT_ME_pp t 42	AMT_ME_V 42					1		
				Stud welding.	AMT_ME_pp t_43						27/3		
				Solid Phase welding techniques	AMT_ME_pp t_44	AMT_ME_V _44				19% 1 31	28/3	2-12/-	/
9	27 Mar -1	5	3	Ultrasonic welding	AMT_ME_pp t_45	AMT_ME_V _45		Text book of Manufacturing		NY-WEST	29/3	30/3/2	-
	April			Friction welding,	AMT_ME_pp t_46	AMT_ME_V _46		technology Ch. 14 pg.625-634			30/3		
				Stud welding	AMT_ME_pp t_47	AMT_ME_V _47				17/3/2023	114		
				techniques such as Ultrasonic	AMT_ME_pp t_48	AMT_ME_V _48					117		/
					AMT_ME_pp t_49	_49					34		
	100			Friction welding with recent development in Welding.	AMT_ME_pp t_50	_50					414	18 6 6	
10	3 Apr -7 Apr	6	4		AMT_ME_pp t_51	_51		Text book of Manufacturing			514		
				Friction welding with recent development in Welding, Economics	AMT_ME_pp t_52	_52		technology Ch. 14 pg.625-635			614		
100				and application of Non-Traditional	t_53	_53				24/3/23	714		1
				processes for welding.	AMT_ME_pp t_54	AMT_ME_V _54		A CONTRACTOR OF THE PARTY OF TH			814	/	/

Hop





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/ME / 22-23

LESSON & TEACHING PLAN for Refrigeration and Air Conditioning

Department of Mechanical Enggineering

Facult	y Name: Pro	of. Prasann	a Mahai	nkar	Sub: Refrigeration and A	ir Conditioning	Year:	2022-23	Sem:- VIII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tu torial Date	AC's sign
			Discharge and the	Refrigeration: Introduction, unit of refrigeration,			3011/23		
				simple vapour compression refrigeration system,			3/11/23		
1	30 Jan - 4 Feb	5	I	analysis of simple vapour compression refrigeration system,	Demo on set up/ Animated Videos		112		
	reb			Refrigeration System: Aqua Ammonia,	7 mmaced + races	Refrigeration and Air	2/2		
				Problem		Conditioning, R.S.Khurmi, Chap. 4,	212		h
	ARREA STATE			TCRT		Page no. 125-193, Vth			17
				Lithium Bromide- Water system, effect of sub cooling,		edition.	7(2		//
				superheating on coefficient of performance.	Video on industry		7(2	7/2/23	
2 6	to 10 Feb	5	I	Problems	relevance		8/2		
			The same	Study of Vapour Absorption,			912		
		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	TCRT			10/2			
-	·· in Cha	- 34 34				MOD			

Faculty in Charge





		1 No. Of	/ Unit	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Chapter no. Page	Completion A	torial Date	AC's sign
No.	Week	Lect.	No.	Refrigerants – Properties, classification,	, com a company	no,edition. No	15/2		
				nomenclature,	199	Refrigeration and Air	15/2		
	13 to 17			global warming & ozone depletion potential, Problem	Smart Class Room	Conditioning, R.S.Khurmi, Chap. 8 and 5, Page no. 294-	1612		
	Feb	5	II	montreal protocol, kyoto protocol, alternatorefrigerants.	2	315, 194-233 Vth edition.	1612		
				alternate refrigerants.			16/2		
				TCRT			17/2		
				Hermatic compressors, methods of defrosting.			20/2		
				Refrigeration controls. expansion devices	5,	Refrigeration and Air			
	20 to 24		п	Unit II: Compound Vapour Compression Refrigeration system	Demo on actual parts	Conditioning, R.S.Khurmi, Chap. 8 and 5, Page no. 294-	22/2	-	
4	Feb	4	l II	multiple evaporator system:		315, 194-233 Vth edition.	24/2		
				TCRT			24/2		
		37.7		types of compressor, condenser,		Refrigeration and A	ir 8(3		
	8-10 Mar	3	III	evaporator, Unit III: Air cycle refrigeration its application,		Conditioning, R.S.Khurmi, Chap. 2 Page 100 38-76, 450	The second second	913/23	> /
	Ity in Ch	arge							





N	week Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Chapter no. Page no,edition. No	Completion Date	Assignment/Tu torial Date	AC's sign
				types of air refrigeration system,		466, Vth edition.	1013		
					TCRT		472		A
6	13-17- Mae, 2 0-21 Mar	4 5	Ш	thermoelectric refrigeration, steam jet refrigeration.	ppt	E-Deputation	1313		
				vortex tube,	ppt		1413		
				Unit IV : Cryogenics: Introduction,			1513		
				TCRT	ppt		4		
	20-24 Maz 27Mar-1 April	5 4	IV	Joules Thomson coefficient, inversion curve, methods of liquefaction of air with analytical treatment.	ppt/learning videos	Refrigeration and Air Conditioning, R.S.Khurmi, Chap. 14, Page no. 422-449, Vth edition.	23/3,		
				application of cryogenics, cascade system,			2713		
7				Numerical			28/3		
				Unit V: Introduction to psychometric properties and processes of air.			2413	29/3/23	•
				TCRT					
	27 Mar - 1 April 3-7 April	5	IV	Classification of air conditioning systems, Applications of psychometry to various air conditioning systems,	Assignment and problems of surroundin	Refrigeration and Air Conditioning, R.S.Khurmi, Chap. 14 Page no. 422-449, Vt Wedition.	2913		
							3113		/
				Unit V: RSHF, ESHF, GSHF, Problem			h 3/4 414		-





	y Week /	Lect.	/ Unit	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Chapter no. Page no,edition. No	Completion Date	torial Date	AC's sign
No.		2001		TCRT			314		
				air washers, air coolers.			614		
	3-7 Acil			Unit VI: Air Transmission & Distribution: Principle of air distribution		Refrigeration and Air Conditioning,	714		
9	t0 15 April	5	v	types of grilles & diffusers & their selection criteria, air filtration,	Assignment and problems of surrounding	533, 549-596,	1014		
				types of air filters, distribution of air		Vth edition.	1114		
	4.9			through ducts,			12/4		
		30.0		pressure losses in ducts,			13/4		
	10-15			methods of duct design,		Refrigeration and Air Conditioning,	1914		
10	AZI April	5	VI	duct friction chart,	Live Problem	R.S.Khurmi, Chap.16 and 18, Page no. 467- 533, 549-596,	18/4		
	15 -1 10			air conditioning controls		Vth edition.	1914		
	17-21 Asi			TCRT			2014		
-	The state of the s				Sessional II		The state of	The state of the s	

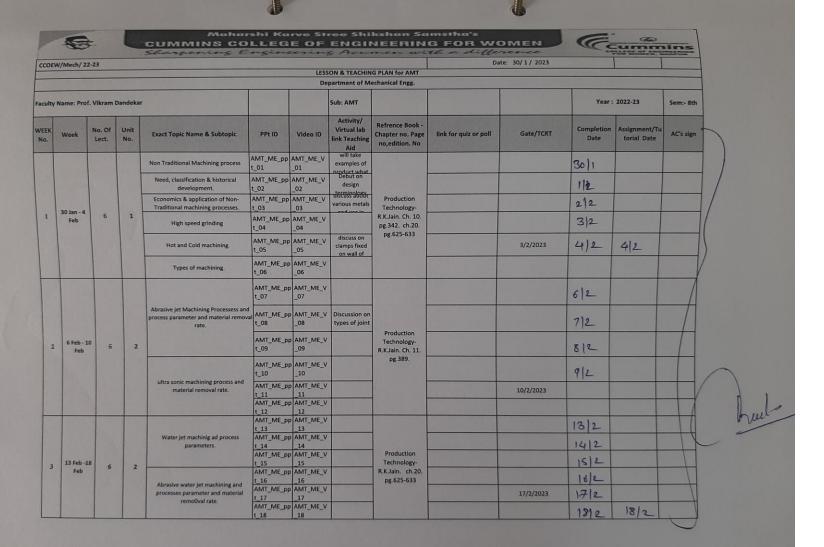
Sub. Teacher

AC

HOD













H	T		T		Electro-Chemical Machining	AMT_ME_pp	AMT_ME_V _19				2012		
					Electro chemistry of ECM.	AMT_ME_pp t_20	_20	See types of weld available			21/2		
		18			Electrochemical Grinding	AMT_ME_pp t_21	AMT_ME_V		Production		22/2		
	20 Feb Fel		6	3	Electro Discharge machining.	AMT_ME_pp t_22	AMT_ME_V	various examples of eccentric weld.	Technology- R.K.Jain. ch.20. pg.625-633		23/2		
					Electro discharge machining process parameter.	AMT_ME_pp t_23	AMT_ME_V _23	Discuss on diagram on pressure vessel		24/2/2023	2472		
					Laser Beam machining.	AMT_ME_p	AMT_ME_V				2		
5	Contract of the last	eb - 4				1		An	annya Cultural Event				
	M	Mar					P AMT_ME_V				13 3		
	1				Electro beam machining.		P AMT_ME_V				1413		
						t_26 AMT_ME_r	_26 p AMT_ME_V		Production		15/3		
6		Mar - 18 Mar	5	3		t_27	_27 pp AMT_ME_V	,	R.K.Jain. ch.24.		16/3		
		Mar				t 28	_28 pp AMT_ME_V	A STATE OF THE PARTY OF THE PAR	pg.825-1023	2/2/2022		17/3	
				1	Plasma arc machining process, material removal rate.	t 29	_29			3/3/2023	17/3	1713	
	-			1		t_30	pp AMT_ME_\ _30						1
T	7 1	8 Mar -21 Mar	1000						Sessional 1				V
t		IVIGI			Stud welding.	AMT_ME_ t 37	pp AMT_ME_\	V			23 3		
1				1	Solid Phase welding techniques	AMT ME	pp AMT_ME_'	V			24/3	A. K.S.	
1	1				Ultrasonic welding	AMT_ME_	pp AMT_ME_	V	Text book of		25/3		
1	8	23 - 24 Mai	5		2		_39 _pp AMT_ME_	v	Manufacturing technology Ch. 14		26 3		
					Friction welding,	t_40	_40 _pp AMT_ME_	v	pg.625-633	10/3/2023	22/3		
1					Stud welding	t_41	_41				2013		
-			100	1	Stud welding. Solid Phase welding techniques such as Ultrasonic welding, Friction welding,		_pp AMT_ME_ _42	V					







			Stud welding.	AMT_ME_pp t_43	_43	lands in the second		28 3		
			Solid Phase welding techniques					29/13		
-			Ultrasonic welding	AMT_ME_pp	AMT_ME_V	Text book of		30/3		1
7 Mar -1 April	5	3	Friction welding,	AMT_ME_pp	AMT_ME_V	technology Ch. 14		31/3		
			Stud welding	AMT_ME_pp	AMT_ME_V	pg.625-634	17/3/2023			1
			Stud welding. Solid Phase welding techniques such as Ultrasonic welding. Friction welding.							
								314	1	
			Friction welding with recent	AMT_ME_pp	AMT_ME_V			414	/	
	100	1	actemplicate in treating.	AMT_ME_pp	AMT_ME_V	Text book of		5 4	1	
Apr	6	4	Existing walding with recent	AMT_ME_pp	AMT_ME_V	technology Ch. 14		614		
		113	development in Welding, Economics	AMT_ME_pp	AMT_ME_V	pg.023-033	24/3/23	714		
			processes for welding.	AMT_ME_pr	AMT_ME_V		Man Man Man Man			
				AMT_ME_p	AMT_ME_V			10/4		
				AMT_ME_p	P AMT_ME_V			11/4		
			casting.	AMT_ME_p	P AMT_ME_V	Production Technology-		12/4		
Apr	5	5		AMT_ME_p	p AMT_ME_V	R.KJain. Ch. 4		13/4		
	1			AMT_ME_p	p AMT_ME_V		7/4/2023	14/4		1
1	1	10	centrifugal casting, slush casting.	AMT_ME_p				1514	1	
	1			AMT_ME_P				1714		
1	1	1	ceramic shell casting, centrifugal					18/4		1
1	1		Sastria, state castria.	AMT_ME_F	p AMT_ME_V 63	Production Technology-		1914		1
17 Apr -2 Apr	6	5		AMT_ME_F	p AMT_ME_V	R.K.Jain. Ch. 4		20/4		
	100		slush casting and various casting	AMT_ME_	p AMT_ME_V	P8.11.2 104	14/4/2023	214		
100	1	1	techniques.	AMT_ME_	p AMT_ME_V			(
	3 Apr-7 Apr 10 Apr-15 Apr	3 Apr-7 6 Apr 5 5 7 17 Apr-21 6	3 Apr-7 Apr 6 4	Solid Phase welding techniques Ultrasonic welding Friction welding, Stud welding, Stud welding, Solid Phase welding techniques such as Ultrasonic welding, Friction welding, Friction welding with recent development in Welding, Friction welding with recent development in Welding, Friction welding with recent development in Welding, Apr Apr Advance casting process: Metal mould casting, continuous casting, squeeze casting. Vacuum mould casting, squeeze casting. Vacuum mould casting, squeeze casting. Ceramic shell casting. Ceramic shell casting. Ceramic shell casting. Ceramic shell casting. Ceramic shell casting. Ceramic shell casting.	Solid Phase welding: t. 43 Solid Phase welding techniques 1 AMT_ME_pp t. 44 Ultrasonic welding	Stud welding: L 43	Stud welding techniques AMT_ME_pp AMT_ME_V AM	Solid Phase welding techniques L_43 AMT_ME_PD AMT_ME_V L_44 AMT_ME_PD AMT_ME_V L_45 AMT_ME_PD AMT_ME_V L_46 AMT_ME_PD AMT_ME_V L_46 AMT_ME_PD AMT_ME_V L_46 AMT_ME_PD AMT_ME_V L_47 AMT_ME_PD AMT_ME_V L_48 AMT_ME_PD AMT_ME_V L_50 L_51 L	Solid Phase welding Echniques Ant_ME_p Ant_ME_V Ant_ME_p Ant_ME_p Ant_ME_V Ant_ME_p Ant_ME_p Ant_ME_V Ant_ME_p Ant_ME_V Ant_ME_p Ant_ME_p Ant_ME_V Ant_ME_p Ant_ME_p Ant_ME_V Ant_ME_p Solid Phase welding	

Sub. Tescher

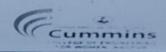








CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/MECH / 22-23

Date: 15/ 01 /

LESSON & TEACHING PLAN for Industrial Management Department of Mechanical Department Faculty Name: Dr. Mahesh Shukla Sub: Industrial Management Year: 2022-23 VIII WEE No. Uni Assignm Activity/ Virtual Refrence Book -Compl Video Week link for Of ent/Tut AC's Exact Topic Name & Subtopic Gate PPt ID lab link Chapter no. Page No. quiz or poll Lect. No. sign Teaching Aid no, edition. No Date Date 23 Jan - 27 SKILL DEVELOPMENT WEEK Jan Principles of management, Concepts of management development of scientific management I feb-7 feb principles of Fredric W. Taylor, principles of Henry Fayol & functions such as planning, INDUSTRIAL organizing MANANGEMENT IM .Unit BY LK.CHOPDE & principles of Fredric W. Taylor principles of 1_ppt_01 Henry Fayol & functions such as planning, A:M:SHEIKH Page organizing No. 1 to 110 staffing, leading, motivating communicating, controlling decision making, span of control,





K No.	Week	No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic	Gate	PPt ID	Video . ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	link for quiz or poll	Compl etion Date	Assignm ent/Tut orial Date	AC's
3	Feb	4		delegation of authority	. 1								
				Personal management, meaning, functions of personal management									
				manpower planning,									
				selection, arbitration, collective bargaining					INDUSTRIAL				
4	15 Feb-21 Feb	4	2	wages & salary administration,		INI_Unit 2_ppi_01			MANANGEMENT BY I'K CHOPDE & A.M SHEIKH Page	- +			
				labor welfare, training,					No. 123 to 200				
4				trade unions, Trade union act	3.			100 74			,		14
				Labor Legislation									
5	22 feb - 28 Feb	4		Marketing management, Definition, selling	*			140					
***				modern concept of marketing,market research, marketing mix	#10								
i		1.	H	new product development,					INDUSTRIAL	*. ·.			
6	06 Mar-10 Mar	4		product life cycle,		IM_Unit 3_ppt_01		24	MANANGEMENT BY LK CHOPDE &	1	-		-
				new product launching					A.M.SHEIKH Page No. 255 to 294				
-	*		-3	sales promotion									
-		100	4	pricing, channels of distribution				(here				





WEE K No.	Week	No. Of Lect.	Unit t No.	Exact Topic Name & Subtopic	Gate	PPt ID	Video - ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Compl etion Date	Assignm ent/Tut orial Date	AC's sign
7	13 Mar-17 Mar	m		advertising, market segmentation Financial management, Sources of finance, fire types of capita, elements of costs	nancing organ	IM_Unit 4_ppt_01	1						
8	18-21 Mar first Sessional						Session	all					
9	23 Mar -28 Mar	m		allocation of indirect expenses cost control, break even analysis budgets & budgetary control, equipment replacement policy, make or buy analysis,		IM_Unit 4_ppt_01			INDUSTRIAL MANANGEMENT BY LK CHOPDE & A.M.SHEJKH Page No. 204 to 245		4-		
		4		balance sheet, ratio analysis, profit & loss statement.									
10	14 Mar- 19 Mar	4	5	Plant management, Plant location, plant layout, Material handling objectives principles & selection of material handling equipments types		IM_Unit			INDUSTRIAL MANANGEMENT BY LK.CHOPDE &				120
11	21 Mar- 26 Mar	4		Industrial safety, causes & cost of accidents accident biorhythms, safety programs, job; batch & process type of production philosphy of six sigma, approaches to quality improvement	- 6 2/	5_ppt_01			A.M.SHEIKH Page No. 372 to 385				





-								1.4					,
K No.	Week	No. Of Lect.	t	Exact Topic Name & Subtopic	Gate	PPt ID	Video ID-	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Compl etion Date	Assignm ent/Tut orial Date	
,				Recent treads in production and operation management like Lean Manufacturing.Lean Manufacturing						2.08			
2	28 Mar- 02 april	4		Retail Management									
			6	World Class Manufacturing, Retail Managem	ent	IM Unit			INDUSTRIAL MANANGEMENT				
			2115	Supply Chain Management,		6_ppt_(1)			BY LK.CHOPDE & A.M.SHEIKI Page				
				Value Engineering, Re-engineering,			ŧ		No. 330 to 385				
13	04 Apr- 09 April	4		Reverse Engineering, Business Process Re-en	ineering								
				Quality Circle, Just in Time (JIT), Kaizen, Poka Yoke.				* *			5 1		
100			*	Sub Jeacher) rec	SHU	rest)		A	c		
	W 40		141		7 34								







Maharshi Karve Stree Shikshan Samstha's Educating Women for CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/ MECH / 22-23

Date: 24 / 08 / 2022

					L	ESSON & TEA	CHING PLAT	V						
					CUMMINS COLLEG	E OF ENGINE	RING FOR	WOMEN, N	NAGPUR					
Facult	y Name:	Dr. Sh	ailesh	N. Khekale					Subject: Manufacturing Processes (ME304T)	SEM -ODD	(2022-23)		Sem	:- 111
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no.	Completion Date	Assignment Date	Tutorial date	HOD's remark	Principal
				Introduction to casting. Pattern and it's types.	ME304MPW01D290822L01	MP_ME_ppt_01	MP_ME_V_01	Activity of pouring wax and	Ghosh & Malik [37-97] 2)	29/8				
1	29	1.		Pattern making and Materials for pattern	ME304MPW01D300822L02	MP_ME_ppt_01		pouring of water for ice making		1/9				
	August-		1	Pattern making allowances and Color codes	ME304MPW01D010922L03	MP_ME_ppt_01			[306-425]; 3)Manufacturing Technology- P.N.Rao [55-	2/9				1000
				Core making and types of core. Core material &	ME304MPW01D010922L04	MP_ME_ppt_01			234]	2/9				
					ME304MPW02D050922L05	MP_ME_ppt_01	MP_ME_V_02	Activity for (sand and clay)	1) Manufacturing Science - Ghosh & Malik [37-97]; 2)	3-1-				
	5-9			Sand composition, Moulding sand properties.	ME304MPW02D050922L06	MP_ME_ppt_01		moulding	Workshop Technology (Volume I)- Hajra Chaudhary	53/9		1 9		1
2	Sept.	4	1	Moulding machines, Shell moulding, CO2 moulding.	ME304MPW02D050922L07	MP_ME_ppt_01	MP_ME_V_03		[306-425]; 3)Manufacturing Technology- P.N.Rao [55-			1.5.		
					ME304MPW02D050922L08	MP_ME_ppt_01			234]	819				
181				Gating design. Pouring equipments, Riser design, Sand mould casting	ME304MPW03D120920L09	MP_ME_ppt_02				1				
	12-17			Malting furnaces Types Electric furnace	ME304MPW03D120920L10	MP_ME_ppt_02				5 (8/1	13-Sep		Alteria	1
3	Sept.	4		Types of Casting Processes, Special casting processes such as investment Casting	ME304MPW03D120920L11	MP_ME_ppt_03	MP_ME_V_05			129/9				
					ME304MPW03D120920L12	MP_ME_ppt_03	MP_ME_V_06			131.				
				Introduction to metal Joining	ME304MPW03D260920L13	MP_ME_ppt_03			1) Manufacturing Science -	27/1				
)	10			Arc Welding Processes, Electrodes, weldability of Metals.	ME304MPW03D260920L14	MP_ME_ppt_03			Ghosh & Malik [2) Workshop Technology	729/9		100		
4	19- 23Sept.	4	2	Welding equipments. Fixtures, Gas Welding	ME304MPW03D260920L15	MP_ME_ppt_03			(Volume I)- Hajra Chaudhar 3)Manufacturing Technolog	3 3				
				Processes. TIG Welding, MIG Welding, Solid state	ME304MPW03D260920L16	MP ME ppt 04		3 2 2 3	P.N.Rao	7/10		1	1	

00

(MA SHOWERS

Faculty.



H.





Maharshi Karve Stree Shikshan Samstha's Educating Women for CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/ MECH / 22-23

Date: 24 / 08 / 2022

					CUMMINS COLLEG	E OF ENGINE			NAGPUR					
Faculty	/ Name:	Dr. Sha	ailesh I	N. Khekale					Subject: Manufacturing Processes (ME304T)	SEM -ODD	(2022-23)		Sem	r- III
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no.	Completion Date	Assignment Date	Tutorial date	HOD's remark	Principal
2				Thermit welding, Electroslag welding Resistance Welding	ME304MPW05D260922L17	MP_ME_ppt_04				6/16				
5	26 Set-		2	Plasma Arc welding and Electron Laser Beam welding.	ME304MPW05D260922L18	MP_ME_ppt_04				310/16	29-Sep			
3	1 Oct	1	-	Weld: Inspection, Defects in various joints and their remedies.	ME304MPW05D260922L19	MP_ME_ppt_04				,				133
				Joint through Adhesive – classification of adhesive,	ME304MPW05D260922L20	MP_ME_ppt_04				11/10				
				types of adhesive, applications	ME304MPW05D031022L21	MP_ME_ppt_05	MP_ME_V_09	Analysis of forming	1) Production Technology -R.	4/1)				
	250.			Introduction to Forming Process for metals	ME304MPW05D031022L22	MP_ME_ppt_05	MP_ME_V_10	processes used for house hold	P.C.Sharma 3)Non-	4/11	-			1
6	3-7 Oct.	4	2,3	Mechanics of forming process,	ME304MPW05D031022L23	MP_ME_ppt_05	MP_ME_V_II	Activity to understand	Conventional Manufacturing Processes, H.S. Shan, 4) Soft			1 3	1	
				Rolling, Forging, Extrusion, Drawing,	ME304MPW05D031022L24	MP_ME_ppt_05	MP_ME_V_12	extrusion	notes from IIT Kharagpur	15/11				
				Determination of Rolling pressure and roll specification force, drive force and torque,	ME304MPW07D101022L25	MP_ME_ppt_05			Manufacturing Science - Ghosh & Malik 2) Workshop	2				
	10-12			Drawing and it's types	ME304MPW07D101022L26	MP_ME_ppt_05			Technology (Volume I)- Hajra Chaudhary3)Textbook) (NIII				
7	Oct	4	3	Rolling, Forging, Extrusion, Drawing,	ME304MPW07D101022L27	MP_ME_ppt_05	MP_ME_V_13		of Production Engineering - P.C. Sharma, 4) Soft notes	1 22/11				1
				Determination of Rolling pressure and roll specification force, drive force and torque,	ME304MPW07D101022L28	MP_ME_ppt_05			from IIT Kharagpur	1				
8	13-20	Oct				Sessiona	I-I							
9	24-280	Oct				Diwali Vac	cation							
				Drawing and it's types	ME304MPW10D11122L28	MP_ME_ppt_06			1) Manufacturing Science - Ghosh & Malik 2) Worksho					
	- 1			Introduction to Sheet metal working	ME304MPW10D11122L29	MP_ME_ppt_06			Technology (Volume I)-				April 2	A TOP
10	-5 Nov	4	3,4		ME304MPW10D11122L30	MP_ME_ppt_06	MP_ME_V_14		Hajra Chaudhary3)Textboo of Production Engineering	- 1			1-1-	
					ME304MPW10D11122L31	MP_ME_ppt_06	1 1 2 2 2		P.C. Sharma, 4) Soft notes from IIT Kharagpur	13/11		- 100		1

LESSON & TEACHING PLAN

Faculty

H. O. D.







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/ME / 22-23

Date: 29 /8 / 2022

LESSON & TEACHING PLAN for Engineering Thermodynamics

				Department	of Mechanical Engginee	ering			
Facult	ty Name: Pro	f. Prasanna	a Mahai	nkar		Sec: A	Year:	2022-23	Sem:- III
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Refrence Book - Chapter no. Page no,edition. No	Activity, link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				Introduction to Thermodynamics:			29/8/22		\bigcap
				Basic concepts of Thermodynamics, Systems and its forms,	CP Arora, Thermodynamics, Chap. 1 & 2, page 1-		3018/2	2	
1	29 Aug to 3 Sept	4	I	Property, State, Process, Cycles, Thermodynamics equilibrium,	51, Engineering Thermodynamics, P.		110/02		
				temperature, Zeroth law of thermodynamics,	K. Nag, Chap. 1 & 2, Page 1-41		210/21		M
				Problem			319/22		\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
				Introduction to First law of thermodynamics	CP Arora, Thermodynamics, Chap. 1 & 2, page 1-				
		2		Energy transfer, Heat and Work,	51, Engineering				1/_
2	5 to 9 Sept.	3	- 1	Non-mechanical form of work. Mechanical form of work,	Thermodynamics, P K. Nag, Chap. 2&3, Page 26 - 69				







WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Refrence Book - Chapter no. Page no,edition. No	Activity, link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				Ideal Gas: Gas laws-Boyle's law, Charle's law, Avagadro's law, process on P-V Diagram.			619/22		
				Calculation of Heat transfer, Work done, Change in Internal Energy and Enthalpy	CP Arora, Thermodynamics, Chap. 1 & 2, page 1-		17/0/22		
3	12 to 17 Sept	5	I	Equation of state, Specific Heat, Universal gas constant,	51, Engineering Thermodynamics, P.		219/22		
		•		Problem	K. Nag, Chap. 3 & 4, Page 41 - 86		221913		
				Constant pressure, Constant volume, Isothermal, Isentropic and Polytropic			23/1/22		
				Numericals on Heat and Work	CP Arora,		26/9/22		
				Unit II: First law of Thermodynamics for Closed System undergoing a process	Thermodynamics, Chap. 4 & 5, page 105-221, Engineering		2019/22	27/9/25	
4	19 to 23 Sept	5	II	Unit II: First law of Thermodynamics for Closed System undergoing a	Thermodynamics, P K. Nag,		29/9/25	2	
				cycle (Control Mass System)	Chap. 5, Pag. 87 -112		1/10/22		
				First Law to Open System (Control Volume System),		1	3/10/202	7 2	\





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Refrence Book - Chapter no. Page no,edition. No	Activity, link for quiz	Completion Date	Assignment/Tu torial Date	AC's sign
				Steady Flow process			4/10/22	.)	
				Steady Flow process apply to Nozzle, Turbine, Compressor,	CP Arora, Thermodynamics,		6/10/22	4	
5	26 Sept. to 1 Oct.	5	II	Steady Flow process apply to Pump, Boiler, Throttling Device, Heat Exchanger.	Chap. 4 & 5, page 105-221, Engineering Thermodynamics, P.		7-110/22		
				Problems	K. Nag, Chap. 5, Page		10/16/22	10/10/20	
				Problems	87 -112		2/11/22	-	
				Problems			3/11/22		
				Unit III :- Second Law of Thermodynamics:- Introduction, Thermal Energy Reservoirs,	CP Arora,		4111122		
				Kelvin-Plank and Clausius Statements,	Thermodynamics, Chap. 6, page 231-		7111122		
6 3	3 to 7 Oct.	4		Kelvin-Plank and Clausius Statements,	305, Engineering Thermodynamics, P. K. Nag,		811122		
				Heat Engine, Refrigerator, Heat Pump,	Chap. 6, 7 & 8 Page 117 -225		2/11/22	- /	
				Problems			1011125-		

Hingra Hingra Land

Dr. Millind Khanapurkar Principal Nabash Krist Stee Shikhan Sanethu's 'unnies Criliga'd Expineering for Wolken Napurkayaru-Kariya

HOB; Sulf

VEEK No.	Week	No. Of Lect.	· Unit No.	Exact Topic Name & Subtopic	Refrence Book - Chapter no. Page no,edition. No	Activity, link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				MID TI	ERM EXAMINATION				
				Perpetual Motion Machine I and II, Carnot Cycle,			10/11/12		
				Thermodynamic Temperature scale. Entropy: Clausius Inequility,	CP Arora, Thermodynamics,		1111122		
	17 to 22			Problem	Chap. 6, page 231-305, Engineering		19/11/22		
7	Oct.	5	III	Entropy, Principle of increase of Entropy,	Thermodynamics, P. K. Nag,		14/11/22		
				Entropy, Principle of increase of Entropy,	Chap. 6, 7 & 8 Page 117 -225		17/11/22		
				Change in Entropy for different Thermodynamics Processes with T-S			15/11/22		
				Diagram Reversible and Irreversible Processes,			16111122		
				Availibility	CP Arora,		17/11/22		
				Unit IV Properties of Steam: - Sensible Heat, Latent Heat, Critical	Thermodynamics, Chap. 3, page 55-96, Engineering		1811132		
8	31 Oct to 5 Nov	5	IV	State, Triple Point, Wet Steam Phase change process	Thermodynamics, P K. Nag,		10/11/22		
				Formulae explaination	Chap. 9, Pag 273 -314	ge L	21/11/2		1
				Problem					





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Refrence Book - Chapter no. Page no,edition. No	Activity, link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				Dry Steam, Superheated Steam, Dryness Fraction,			22/11/22		1
				Internal Energy of Steam, External Work Done	CP Arora,		23/11/2	2	
9	7 to 11 Nov	5	IV	during Evaporation,	Thermodynamics, Chap. 3, page 55-96, Engineering Thermodynamics, P.		24/11/22	24/11/22	
				Problems	K. Nag, Chap. 9, Page 273 -314		25/11/22		<u> </u>
							28/11/22		
				Internal Energy of Steam, External					
				Work Done	CP Arora,		29/11/22		h
				T-S Diagram, Mollier Chart,	Thermodynamics, Chap. 8, page 358-		30/11/22		
10	14 to 19	6	V	Work and Heat Transfer during various	396, Engineering Thermodynamics, P.		1112/22		
	Nov			Thermodynamic Processes with steam as working fluid,	K. Nag,		2/12/22		
				Problem	Chap. 9, Page 273 -314		3/12/22		
				Problem			5/12/12		
				Determination of Dryness Fraction using various Calorimeter.	CP Arora,		,		
acul	ty in Ch	arge				HOD	SHURUD		





11 21 to 25 Nov Solution Nov Problem Thermodynamics, Chap. 8, page 358-396, Engineering Thermodynamics, P. K. Nag. Chap. 9, Page 273 - 314 Solution Napour Carnot Cycle. Problem CP Arora, Thermodynamics, P. K. Nag. Chap. 9, Page 273 - 314 Solution Napour Carnot Cycle. Problem CP Arora, Thermodynamics, P. K. Nag. Chap. 9, Page 358-396, Engineering National Cycle. Problem CP Arora, Thermodynamics, P. K. Nag. Chap. 9, Page 273 - 314 Nag. Chap. 9, Page 273 - 314 Nag. Chap. 9, Page 273 - 314 Nag. Chap. 9, Page 273 - 314 Nag. Chap. 8, page 358-396, Engineering National Cycle. Problem CP Arora, Thermodynamics, Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 8, page 358-396, Engineering Nag. Chap. 9, page 358-396, Engineering Nag	EK .	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Refrence Book - Chapter no. Page no,edition. No	Activity, link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
11 Nov 5						Chap. 8, page 358-		6/12/22		
Problem Chap. 9, Page 273 -314 Unit V:-Vapour Power Cycle:- Introduction, Vapour Carnot Cycle, Problem CP Arora, Thermodynamics, Chap. 8, page 358- 396, Engineering Thermodynamics, Problem Unit V:-Vapour Power Cycle:- Introduction, Vapour Carnot Cycle, Problem CP Arora, Thermodynamics, Chap. 8, page 358- 396, Engineering Thermodynamics, Chap. 9, Page 273 -314 Unit V:-Vapour Power Cycle:- Introduction, Vapour Carnot Cycle, Problem Thermodynamics, Chap. 8, page 358- 396, Engineering Thermodynamics, Chap. 8, page 358- 396, Engineering Thermodynamics, Chap. 8, page 358- 396, Engineering Thermodynamics, Problem Thermodynamics, Chap. 8, page 358- 396, Engineering Thermodynamics, Chap	2950		5	V	Problem			7112/20		
Unit V:-Vapour Power Cycle:- Introduction, Vapour Carnot Cycle, Problem 12 28 Nov. 3 Dec V Rankine Cycle, Problem CP Arora, Thermodynamics, Chap. 8, page 358- 396, Engineering Thermodynamics, P. K. Nag, Chap. 9, Page 273-314 Unit V:-Vapour Power Cycle:- Introduction, Vapour Carnot Cycle, Problem Unit V:-Vapour Power Cycle:- Introduction, Vapour Carnot Cycle, Problem CP Arora, Thermodynamics, Chap. 8, page 358- 396, Engineering Thermodynamics, Chap. 8, page 358- 396, Engineeri						Chap. 9, Page				
12 28 Nov. 3 Dec V Rankine Cycle, Problem 12 V Rankine Cycle, Problem 13 Dec V Rankine Cycle, Problem 14 Unit V:-Vapour Power Cycle:-Introduction, Vapour Carnot Cycle, Problem 15 Dec to 9 Dec V Problem 16 Dec V Rankine Cycle, Problem 17 Problem 18 Dec to 9 Dec V Problem 19 Problem 19 Problem 19 Problem 19 Problem 19 Problem 10					Problem	273 -314		0/12/22	,	
Thermodynamics, Chap. 8, page 358-396, Engineering Thermodynamics, Problem Unit V:-Vapour Power Cycle:-Introduction, Vapour Carnot Cycle, Problem Unit V:-Vapour Power Cycle:-Introduction, Vapour Carnot Cycle, Problem Thermodynamics, Chap. 9, Page 273 - 314 Unit V:-Vapour Power Cycle:-Introduction, Vapour Carnot Cycle, Problem CP Arora, Thermodynamics, Chap. 8, page 358-396, Engineering Thermodynamics, Phermodynamics, Pher						CP Arora				/
28 Nov. 3 Dec V Rankine Cycle, Problem Chap. 8, page 358- 396, Engineering Thermodynamics, P. K. Nag, Chap. 9, Page 273 - 314 Unit V:-Vapour Power Cycle:- Introduction, Vapour Carnot Cycle, Problem Chap. 8, page 358- 396, Engineering Thermodynamics, Chap. 9, page 258- 396,										
Thermodynamics, P. K. Nag, Chap. 9, Page 273 -314 Unit V:-Vapour Power Cycle:-Introduction, Vapour Carnot Cycle, Problem Thermodynamics, P. K. Nag, Chap. 9, Page 273 -314 Unit V:-Vapour Power Cycle:-Introduction, Vapour Carnot Cycle, Problem Thermodynamics, CP Arora, Thermodynamics, Chap. 8, page 358-396, Engineering Thermodynamics, P. K. Nag, Problem Thermodynamics, P. K. Nag, Problem Thermodynamics, P. K. Nag, Problem					Floorent			131-12122		
Problem K. Nag, Chap. 9, Page 273 -314 Unit V:-Vapour Power Cycle:- Introduction, Vapour Carnot Cycle, Problem CP Arora, Thermodynamics, Chap. 8, page 358- 396, Engineering Thermodynamics, P. K. Nag, V Problem Thermodynamics, Chap. 8, page 358- 396, Engineering Thermodynamics, P. K. Nag, V Problem K. Nag, Chap. 9, Page 273 -314 Idl12/22 Idl12/2	2 2		. 6	V				14/12/20		
Chap. 9, Page 273 -314 Unit V:-Vapour Power Cycle:- Introduction, Vapour Carnot Cycle, Problem CP Arora, Thermodynamics, Chap. 8, page 358- 396, Engineering Thermodynamics, P. K. Nag, Rankine Cycle, Problem Thermodynamics, P. K. Nag,		Dec				K. Nag,				
Unit V:-Vapour Power Cycle:- Introduction, Vapour Carnot Cycle, Problem CP Arora, Thermodynamics, Chap. 8, page 358- 396, Engineering Thermodynamics, P. K. Nag, V Problem Rankine Cycle, Problem Thermodynamics, P. K. Nag, V Rankine Cycle, Problem Thermodynamics, P. K. Nag,								Description of the second		1
Introduction, Vapour Carnot Cycle, Problem CP Arora, Thermodynamics, Chap. 8, page 358- 396, Engineering Thermodynamics, P. K. Nag, V Rankine Cycle, Problem Thermodynamics, P. K. Nag,						2/0 011				1 12
Problem Problem Problem Thermodynamics, Chap. 8, page 358- 396, Engineering Thermodynamics, P. K. Nag, V Problem Thermodynamics, P. K. Nag,					Unit V:-Vapour Power Cycle:-			17/12/22		1
The state of the s								19/20/22		
13 Dec to 9 Dec V Rankine Cycle, 396, Engineering Thermodynamics, P. K. Nag, V. Rankine Cycle, Y. Nag, P. K. N										
Problem Pro	5	Dec to 9			Rankine Cycle,	396, Engineering		9.0		
D -0 1-6 20	3		5	V	Problem					
Revisio 8) - 273-314					On income		e	22/12/28		
02/1.104			11,340		Keu13108)-	273 -314		23/12/2		
Revision - 2 3/12/25				-	Revision - 2			12/2	7	/
Sessional II	16					Sessional I		/		



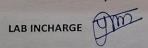


Lab Practicals Plan

SESSION: 2022-23

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR

Fact	ulty Name: Prof. P. S. Mahankar	Subject: HT (Pr)	V Sem	Department: M	иесн		No. of Ba	tches: 01
					Batch #	1		
PR	Name of experiment		Planned Date	Perform Date	No. Journals received	No. of Viva done	HoD's Remark	Principal
P1	Determination of thermal conductivity of metal rod		16 Aug. 22	23/8/22				
P2	Determination of temperature distribution of heat tran under (a) Forced convection (b)Free convection	sfer plate from a fin	23 Aug. 22	3018122				-
P3	To determine heat transfer coefficient in forced convec	ction.	30 Aug. 22	06/9/2				
P4	Determination of Stephen-Boltzmann constant		6 Sept. 22	11/10/22				
P5	Determination of condensation heat transfer in a film v nodes.		13 Sept. 22	15/11/22			well	1
P6	To determine heat transfer rate, overall heat transfer of effectiveness of parallel and counter flow heat exchange	oefficient and ger	27 Sept. 22	6/12/22			10	
27	To determine heat transfer coefficient in natural convecylindrical bar.	ection for horizontal	4 Oct. 22	2919122				
28	Study of heat pipes.		11 Oct. 22	-			1	
9	To study heat transfer enhancement due to increase in Vietna lab emperiment	turbulence	18 Oct. 22	20/11/20	,		4	
	LAR INCHARGE TOTAL					(HOD-N	ΛΕ.







CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/ME/ 22-23

Date: 8/08/2022

LESSON & TEACHING PLAN

				Departme	nt of Mechanical	Engineering				
Facult	y Name: Pro	f. Prasa	anna N	Mahankar		Subject: Heat Transfer		SEM: V	(2022-23)	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	Link for quiz or poll	Completion Date	Assignment/T utorial Date	HOD's sign
1	8 - 12 Aug 22	3	1	Introduction to subject, CO PO Explaination Introduction to basic modes of heat transfer, conduction, convection & radiation. Laws of heat transfer & conservation of energy requirement.	http://htv- au.vlabs.ac.in/Heat T	Heat & Mass Transfer by R.K. Rajput. Ch. 1 & 2, Page 1-24, 27-37, 5th Edition	https://forms.gle/H u4hvnRz5Pv4ix6Y8	8/8/22 17/8/22 17/8/22	-	
2	17 - 20 Aug 22	4	1	General heat conduction equation in cartesian, Cvlindrical and Spherical One dimensional steady state heat conduction equation for the plane wall, cylinder and sphere, overall heat transfer coefficient.		Heat & Mass Transfer by R.K. Rajput, Ch. 2, Page 35-132, 5th Edition	https://forms.gle/H	18 8 22 23 8 22 23 8 22 24 8 22		
	22 - 26 Aug - 22	4	-	Thermal resistance of composite structure, Numerical Numerical contact resistance, variable thermal conductivity.		Heat & Mass Transfer by R.K. Rajput, Ch. 2, Page 142-200, 5th Edition	https://forms.gle/H u4hvnRz5Pv4ix6Y8			40000
cult	ty in Cha	ırge	E	Unit 2 : Conduction with internal heat generation for plane wall, cylinder and sphere.		Heat & Mass	HOD rul	2/9/22	2	





	WEE!	K week	/ NO			Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	Link for quiz or poll	Completion Date	Assignment/T utorial Date	HOD's sign
1	-	29 Aug - 3 Sept 22	1000	11	Numerical		Rajput, Ch. 2, Page 203-250, 5th	https://forms.gle/H u4hvnRz5Pv4ix6Y8	5/9/22		
					Numerical .		Edition		619/22		
	-	,						7	619122		7
					Extended surface, types of fins. Fins of uniform cross section area, temperature distribution,		Heat & Mass		71912	-	
5	5	- 9 Sept.	3	11	heat transfer rate,		Transfer by R.K. Rajput, Ch. 4, Page	https://forms.gle/H u4hvnRz5Pv4ix6Y8	719122	+ /	
		22			fin efficiency & effectiveness.		290-336, 5th Edition	<u>u4iiviik25F v4ix010</u>	10000		
	1						Edition				
					Numerical	http://htv- au.vlabs.ac.in/heat-			8/9/22		22/05/10
				760	Numerical		Heat & Mass	100000	8/9/22	-	20/09/
		12 - 16			Unsteady state heat transfer, lumped heat		Transfer by R.K. Rajput, Ch.7, Page	https://forms.gle/H	12/9/2	2-	
6		Sept. 22	4	111	capacity analysis,		373 -492, 5th	u4hvnRz5Pv4ix6Y8	1619120	-	
					Heisler's charts. Biot Number, Fourier's Number & its significance. Numerical		Edition				
					Tutorial, Approximate Solution to unsteady HT	The same of					
7		17 - 23 Sept 22				72 16 16 15	Sessional I				





WEER No.	Week	No. Of	Unit No.	Exact Topic Name & Sublibition	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	Liffk for quiz or poll	Completion Date Assignment utorial Da	te HOD's sign
140.		Lect.		Unit III Forced and Free Convection	http://htv-			26/9/22	17
				Concept of hydrodynamics & thermal boundary layer thickness,	au.vlabs.ac.in/heat-	Heat & Mass		2719122	-
8	26 Sept - 1	4	111	local and average heat transfer coefficient.		Transfer by R.K. Rajput, Ch.7 & 8,	https://forms.gle/H u4hvnRz5Pv4ix6Y8		1/
	Oct. 22			Empirical Relations for internal and external flows		Page 373 -492,		1110122	
								3/10/22	Thu the
				Laminar and Turbulent flow conduit				6110122	
				Flow of high, moderate & low Prandtl number,				7110122	10/11/100
				,		Heat & Mass Transfer by R.K.	https://forms.gle/	H 10(10/22	/ politi
9	3- 7 Oct 22	3	III &	fluid flow over a flat plate.		Rajput 506-530, 539-570,5th Edition	u4hvnRz5Pv4ix6Y	12/10/22	
				Free Convection, Grashoff's number, Rayleigh number,				13/10/22	
10	10 - 15 Oct 22	5	IV &	flow over horizontal and vertical plate, Empiric relations	http://htv- au.vlabs.ac.in/heat- thermodynamics/Bl ck Body Radiation/	673-687, 5th			110/22
		1	19.3	Numerical		Edition		15/10/22	10/11202
	THE REAL PROPERTY.	1					The latest the latest		
				Numerical	http://htv- au.ylabs.ac.in/heat-			12/10/22	

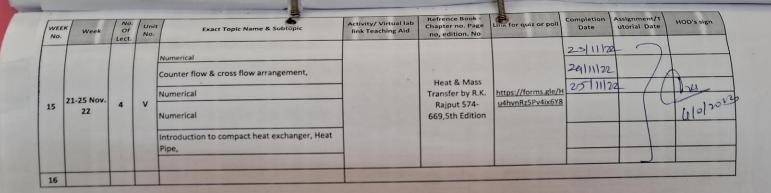




WEEK	Week	No. Of	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	Link for quiz or poll	Completion Assignment/T HOD's sign Utorial Date
No.		Lect.		Introduction to cooling of electronics devices		Heat & Mass		20/10/22
		-		Heat trnasfer enhancement using nano fluids		Transfer by R.K.		31116122
11	17 -21 Oct 22	4		Pool boiling curve & regimes of pool boiling,		Rajput Page 688- 764, 5th Edition		
Markon.	22			Film & Drop wise condensation, transfer		764, 3th Edition		2/11/22
				Unit V: Radiation, spectrum of radiation, black body radiation, radiation intensity,				3/11/22
				laws of radiation-Kirchoffs, Co-sine law, Plancks Weins displacement law,	,	Heat & Mass Transfer by R.K.	https://forms.gle/	
12	31 Oct - 5	5	V	Stefan Boltzmann & Lamberts		Rajput 574-	u4hvnRz5Pv4ix6Y	8
12	Nov 22			Emissivity, Absorbtivity, Transmissivity, Reflectivity, Radiosity,		669,5th Edition		7111/22
				Emissive power, Irradiation.				9/11/22
				Radiation network, , shape factor & its laws,				10/11/22 -4/01/20
	7 -11 Nov	,	100	Radiation exchange between parallel plate cylinder & sphere		Heat & Mass Transfer by R.K Rajput 574-	100000	
13	22	4	V	Numerical		669,5th Edition	The same of the sa	16/11/22
			1	Numerical				16 11 22
		-	-	Heat exchanger : Classification, overall heat				17/11/52
		1	1	transfer coefficient, fouling factor.		1 200		18111122
				LMTD & effectiveness,	10 mm	Heat & Mas	is	
			1	Numerical		Transfer by R	.K. https://forms.	
14	14-19 Nov	5	V	N		Rajput 574 669,5th Editi	The state of the s	1 2 111/2e
		100		Numerical		669,5111 Edit		23/11/22
	-34		-	NTU method of heat exchanger analysis for parallel,			(hul	25/11/02
Faci	lty in C	hare	e				HOD	
			9	0				















Maharshi Kar Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Cummins Course or reconstruction

CCOEW/Mech/ 22-23

Date: 08/8 / 2022

LESSON & TEACHING PLAN for DME

						De	epartment of M	echanical Engg.					
acult	Name: Pro	f. Vikram	Dandeka	ır			Sub: DME				Year :	2022-23	Sem:- 5
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Gate/TCRT	Completion Date	Assignment/Tu torial Date	AC's sign
				Introduction to mechanical engineering design,	DME_ME_p pt_01	DME_ME_ V_01	will take examples of				8/8		
				Design aspets	DME_ME_p pt_02	DME_ME_ V_02	Debut on design	Machine Design By Khurmi			9/8		
	08 Aug - 13			Material properties and their uses in design.	DME_ME_p pt_03	DME_ME_ V_03	discuss about various metals	Gupta ch.1.pg.1- 8			1018		
1	Aug	6	1	basic principal of machine design, modes of failure, LS.codes, preffered series and numbers.	DME_ME_p pt_04	DME_ME_ V_04					11/3		
				Design of knuckle joint.	DME_ME_p pt_05	DME_ME_ V_05	discuss on clamps fixed on wall of	Machine Design By Khurmi		13/8/22	1218	12/8	
				problems on Knuckle joint.	DME_ME_p pt_06	DME_ME_ V_06		Gupta ch.9.pg.281-340			13/8		Pla
				Design of socket and spigot type cotter joints.	DME_ME_p pt_07	DME_ME_ V_07		Machine Design			16 8		10
				Problems on cotter joint.	DME_ME_p pt_08	DME_ME_ V_08	Discussion on types of joint				17-18		
2	16 Aug - 20 Aug	6	1	Design of riveted joints, Aesthetic and ergonomics consideration in design.	DME_ME_p pt_09	DME_ME_ V_09		Сп. др. 201-041		g mil	18 8		
				Problem on rivetted joints.	DME_ME_p pt_10	DME_ME_ V_10					19/8		
				Problem on rivetted joints.	DME_ME_p pt_11	DME_ME_ V_II		Machine Design		20/8/2022	2018		
				Problem on rivetted joints.	DME_ME_p pt_12	DME_ME_ V_12	I harry	By Khurmi Gupta ch.1.pg.8-			21/8		
			1	Problem on eccentric loaded rivetted joints.	DME_ME_p pt_13	DME_ME_ V_13		18			2218	22/2	1
				Problem on eccentric loaded rivetted joints.	DME_ME_p pt_14	DME_ME_ V_I4					23/8		

Faculty in Charge

HOD



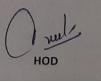


VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Gate/TCRT	Completion Date	Assignment/Tu torial Date	AC's sign
3	22 Aug - 26 Aug	6		Design of bolted Joints.Design procedure	DME_ME_p pt_15	DME_ME_ V_15					13/8		1
	Aug		2	problem on bolted joint	DME_ME_p pt_16	DME_ME_ V_16		Machine Design By Khurmi			2418		
				problem on bolted joint	DME_ME_p pt_17	DME_ME_ V_17		Gupta ch.4.pg.8- 17		26/8/2022	25/8		1
				problem on eccentric loaded bolted joint	DME_ME_p pt_18	DME_ME_ V_18							
				Design of welded joints under axial and eccentric loading condition.	DME_ME_p pt_19	DME_ME_ V_19					2918		60
				Problem on welded joint	DME_ME_p pt_20	DME_ME_ V_20	See types of weld	Machine Design By Khurmi			3018		V40
4	29 Aug -3	6	2	Problem on welded joint	DME_ME_p pt_21	DME_ME_ V_21		Gupta ch.4.pg.8-			119		V
	Sept			Problem on axial and eccentric loaded welded joint	DME_ME_p pt_22	DME_ME_ V_22	various examples of			7 1 1 1	219		
	100			Design of cylinder and pressure vessels: Types of pressure vessel.	DME_ME_p pt_23	DME_ME_ V_23	Discuss on diagram on			09-03-22	319		
				stresses induced in pressure vessel, lame's, clavarino's and bernie's	DME_ME_p pt_24	DME_ME_ V_24					319		
				Problem on Pressure vessel.	DME_ME_p pt_25	DME_ME_ V_25					519		
	1999			Problem on Pressure vessel.	DME_ME_p pt_26	DME_ME_ V_26		Machine Design By Khurmi			819		1
5	5 Sept-9	5	2	Problem on Pressure vessel.	DME_ME_p pt_27	DME_ME_ V_27		Gupta ch.7.pg.224-260		MINISTER .	719		
	Sept			Problem on Pressure vessel.	DME_ME_p pt_28	DME_ME_ V_28					819		
				Problem on Pressure vessel.	DME_ME_p pt_29	DME_ME_ V_29				09-09-22	919		
				Problem on Pressure vessel.	DME_ME_p pt_30	DME_ME_ V_30							> Cor
				Design of snart for - power transmitting, power distribution under static and fatigue criteria,	DME_ME_p pt_31	DME_ME_ V_31	discuss on types of shaft				1219	1/	140
				Problem on Shaft.	DME_ME_p pt_32	DME_ME_ V_32					18 9		U
6	12 Sept-16 Sept	5	3	Problem on Shaft.	DME_ME_p pt_33	DME_ME_ V_33		Machine Design By Khurmi			1419		
1	J. J.	-	1	Problem on Shaft.		V_34		Gupta ch.13.pg.470-508			15/9		
				Problem on Shaft.	-	V_35				16/9/2022	1619		
-	culty in C		h	Problem on Shaft.	DME_ME_p pt_36	DME_ME_ V_36		1	(nul		16/9		





VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Gate/TCRT	Completion Date	Assignment/Tu torial Date	AC's sign
7	17 Sept-23 Sept							Sessiona	d I				
				Problem on Shaft.	DME_ME_p pt 37	DME_ME_ V 37					10010		_
				Problem on Shaft.	DME_ME_p	DME_ME_		Machine Design			26 9		-
	26 Sept - 1			Design of keys, ASME codes for	pt 38 DME_ME_p	V 38 DME_ME_		By Khurmi Gupta			279		_/_
8	Oct	5	3	shaft. Problem on Key	pt 39 DME_ME_p	V 39 DME ME		ch.23.pg.820-884			28 9		
п				Design of springs: spring material,	pt 40 DME_ME_p	V 40					29/9		
				helical compression, tension springs Problem on Helical compression	pt 41 DME_ME_p	V 41				10-01-22	1110		
				spring	pt 42	V 42					2/10		Ok a
				Problem on Helical compression spring	DME_ME_p pt 43	DME_ME_ V 43					8/10	21.0	1/4
				Problem on Helical compression	DME_ME_p	DME_ME_		Machine Design				3/10	TU
				spring Problem on Helical compression	pt_44 DME_ME_p	V_44 DME ME		By Khurmi _			4/10		
9	3 Oct - 7 Oct	5	3	spring	pt_45	V_45		Gupta ch.19.pg.620-685			5/10		
				Design and problem on Leaf spring	DME_ME_p pt_46	DME_ME_ V_46					6/10	-	/
		11 3		Problem on Leaf spring	DME_ME_p pt 47					10.07.00			1
		1300		Problem on Leaf spring	DME_ME_p	V_47 DME ME				10-07-22	7/10		
				Design of screw jack. Problems on		V_48					7/10		/
	2/2019	19113		screw jack.	pt_49	V_49					10/10	1	
		1923		Problems on screw jack.	DME_ME_p pt 50	DME_ME_ V 50		Machine Design By Khurmi Gupta			1110		
10	10 Oct - 15	-		Problems on screw jack.	DME_ME_p							-	A
10	Oct	6	4		DME_ME_p	DME_ME_					12/10	7	190
		1 - 13			pt_52 DME_ME_p	V_52 DME ME	ch.17.pg.624-676			13 10		0	
				Serving on serving gark.		V 53				15/10/22	14/10		
			Dec 1	Problems on screw jack.	pt_54	V_54	The state of the s				15/10	15/10	









7.1

Mahe of Karve Stree Shikshan Samuth of CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ML/ 22-23

			Depart	ment of Mechanical Engineering.	& TEACHING PLAN for Automobile Engineering					
eculty t	Name Pro	of, Yogesh V. Dand	ekar		Sub: Automobile Engineering			Year : 2022-23		Sem:-V
NO.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity	Refrence Book - Chapter no. Page no, edition. No	GATE/TORT	Completion Date	Assignment/Tutorial Date	ACssign
				Introduction to the subject and students				9/8/22		
				Automobile History & development		Automobile		12/3/22		
3			1	Chasis Layout & frames		Engg. Vol-1 Kirpal Singh,		17/3		
				Articulated vehicle, prime movers, hybrid cars		Page 1 to 73		18(3		
				Constructional features of engines, classification				19(8		
				Engine constructional features and working				23/3		
			•	Fuel supply system	•	Automobile		2+18		
2 .			1	Disel Injectors and Carburettors		Engg, Vol-2, Kirpal Singh, Page 1 to 383		25/8		
				MPFI system and Common rail system				29(-8		
				Fuel Injection Pump				01/07		
				Lubrication system, requirements, types				02/09		
-				Splash & Pressure Lubrication system				05/09		
			1	Lubrication system components				07/09		
				Cooling System				08/69		
				Forced Cooling, Thermostat, Pressure cap				09/69		
				Necessity & requirements of clutch, types				26 (09		
				centrifugal clutch, fluid clutch		Automobile Engg		28/09		
3			2	Necessity & principle of transmission		Vol-1 Kirpal Singh, Page 28 to 108	2	29/09		
				types of transmissionn		100		33(10		
				Synchromesh Gear Box				06/10		





EEK No.	Week	No Often	Unit No.	Exact Topic Name & Subtopic	Activity	Remance Book - Chapter no. Page no, edition. No	GATE/TCRT	Completion Date	Assignment/Tutorial Date	AC's sign
				Transfer Box,				06(1-		
				gras selector mechanism		1 [07/10		
				Propellar Shaft		1 [1-110		
				Hotchkes drive, Universal joint		1 [12/10		
				Differential box & its necessity		1 [17/10		
				Ger Box trouble shooting		1 [19/10		
				head of by size. A topes of brakes				20/10		
				Indicate 4 (normatic hopins,		+ +		<u>'</u>		
4			3			Automobile Engg. Vol-1,		21(10		
				trake or stem, masset cylinder		Kirpal Singh, Page 319 to 405		31/10		
				engine exhaust & electrical brakes		1		01/11		
					Sessional	I				
				Principle of steering system, centre point steering		<u> </u>		02/4		
				steering geometry, steering linkages		Automobile		02(11		
5			4	wheel allignment, power steering		Engg. Vol-1, Kirpal Singh,		03/11		
				independent suspension system		Page 170 to 209 - & 210 to 265				
				telescopic shock absorbers, pneumatic, air springs		1 1		04/11		
			1	Battery construction & working				111		
				testing & charging of battery		1 1		871V		
				lighting circuits, horn, wiper		Automobile Engg		11/11		
7			5	types of tyres, wheels, dimensions,		Vol-1, Kirpal Singh, Page 384 to		1111		
1				tyre construction & material		505 and page 266 - to 318		14/11		
				factors affecting tyre life				16/11		
1				Body & safety considerations				17(11		
-				requirement of automobielbody, material, crash worthiness		Automobile		18 4		
				ABS electronic power steering		Engg Vol-1, Kirpal Singh,		23/11		
			6	steering peometry steering linkages		Page 547 to 585 and 447-461 and				
				active suspension system, collision advance		462-484 and Vol.		24(4		
1				miell-gent lighting system navigation aids		250e-539 and . 540-554		25/11		
				electronic brake distribution system		310-334		27(4		
+								29/11		

Sub Searther







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/ME/ 21-22

Date: 20/08/2021

LESSON & TEACHING PLAN

				D	epartment of Me	chanical Engine	ering					
Facult	y Name: Pro	f. Nikh	II A. BI	have		Subject: time-	romession 7		SEM: V	(2020-23)		
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	Link for quiz or poll	GATE/TCRT	Completion Date	Assignment/T utorial Date	HOD's sign	
1	08 - 12 Aug 22	5		Introduction to layout of thermal power plant, Coal handling system and ash handling systems. Classification of steam generators (i.e. Boilers) Fire tube boilers and water tube boilerd high pressure boilers,	Green board, Digital Board, Youtube Videos	Thermal Engineering R K Rajput 3rd Edition		GATE	03/08		1	
2	15 -20 Aug 2022	6	ı	Boiler mountings and accessories. Principle of steam generation, necessity of water treatment, Performance of steam generators: Evaporation capacity, equivalent evaporation, boiler efficiency and preparation of Heat balance sheet of boiler. Numericals Numericals	Green board, Digital Board, Youtube Videos	Thermal Engineering R K Rajput 3rd Edition		GATE	12/8 16/8 14/8 18/8 13/8 20/8			
3	22-26 Aug 22	4	11	Numericals Cogeneration: Introduction to cogeneration, working principle its need, applications. Topping cycle and bottoming cycle Numericals	Green board, Digital Board, Youtube Videos	Thermal Engineering R K Rajput 3rd Edition		GATE GATE GATE	21/8 23/8 24/8 25/8 26/8	Assignments		
4	29-03 Sept. 22	6	п, ш	Numericals Draught and its classification, calculations for chimney height, chimney diameter & efficie Condition for maximum discharge and Numericals Numericals Numericals	Green board, Digital Board, Youtube Videos	Thermal Engineering R K Rajput 3rd Edition	https://testbook.com/obj ective-questions/mcq-on- steam-power-plants- Seea6a01391401301369e7 97	GATE GATE	29/8 30/8 01/8 02/9 3/9		10	R invert
5	05-09 Sept. 22	5		Numericals Fluidized bed boiler: Bubbling fluidized bed boilers, circulating fluidized bed boilers Steam nozzles: Adiabatic expansion in nozzles, maximum discharge, critical pressure ratio	Green board, Digital Board, Youtube Videos	Thermal Engineering R K Rajput 3rd Edition	C	GATE GATE	07/9 06/9 07/9 8/09 09/09		m	617/20
1			Į.	effects of friction,		(M.R. SHOT	Head. Dipl. o	of Wech. 6	ênqq.		





	V3 Dec 22		-	cooling ponds Sessional 2					The second second		N	
14	28 Nov - 03 Dec 22			and the same de					26/11.			
13	21-26 Nov 21			and forced draught cooling towers,		Rajput 3rd Edition			25/11	Submission	1	
	21.261			Cooling towers: Natural draught		Engineering R K		GATE	22/11			
	22			air ejectors.		Thermal		GATE	21/11			
2	14-19 Nov	4	v	sources of air leakages and air removal		Year and			19/11			
	100000000			Numericals					18/11			3
				Numericals				GATE	17/11			
	100			Numericals	Youtube Videos	Rajput 3rd Edition		GATE	16/11			617
1	22	5		Dalton's law of partial pressure, Numericals	Digital Board,	Engineering R K			1441			617
	7-12 Nov	-		calculations for surface condenser,	Green board,	Thermal						1
				quality and quantity of cooling water required,					08/11		1	Tue -
			100	Steam condensers: Classification of condensers,				GATE	07/11		1 11	1 (
				two stage impulse turbine		Rajput 3rd Edition		GATE	05/11		1/ 1	
0	1-5 Nov 22	5	IV	Treatment on Impulse turbine, Reaction turbine and		Engineering R K					1/	1 0
	Samuel .			Numericals		Thermal			03/11		10	
			- 1	Numericals					02/11		1	
	24-28 Oct 22			Diwali Vacations						HE TO		
10			- 3	Numericals				GATE	30/10.			
				Numericals				GATE	29/10			
				condition for maximum efficiencies. (Analytical Treatment) Numericals		Rajput 3rd Edition	power-plant		28/10			
	21	1	100			Engineering R K	01f0a2ba6/thermal-		27/10			
10	25 -30 Oct	6	IV	proportioning of the blades, steam turbine efficiencies.	Videos	The second secon	n/quiz/5feb5ceb53e5170		26/10			
				methods, work done, thrust and power, dimensions and	Board, Youtube	Thermal	https://quizizz.com/admi		204			
				graphical and analytical	Green board, Digital				25/10			
				through turbine blades, reheat factors, velocity diagrams,	The state of the s			THE RESERVE			1	
				turbines, flow of steam				GATE	13/10		\	
	-			Compounding of steam turbines, Energy losses in steam		Rajput 3rd Edition						
8	22	4	III, IV	Numericals		Engineering R K		GATE	12/16	100	1	
	10-15 Oct	(9/11		Numericals		Thermal			11/10		1	
				governing of steam turbines.				GATE	10/10		1	
				comparison of impulse and reaction turbine,		The state of the s		GATE	7/10.		1	-
				Turbine Blades	TOURISE FIREOS	Rajput 3rd Edition		GATE	6/10		-	-
7	3-7 000 22	5	III, IV	classification of steam turbines	Youtube Videos	Engineering R K			5710		-	-
	3-7 Oct 22			Steam turbines: Working principle of steam turbines	Digital Board,	Thermal	-		8/10		-	
	Ar 25 Sept			Supersaturated flow, Wilson Line.	Green board.				~			
	17-23 Sept			Sessional 1				GATE				
				Numericals		majput situ Euroni		GATE			1	
	EUZZ			Numericals		Rajput 3rd Edition	-	GATE				
9	12-16 Sept	5	III	calculation of throat, exit areas and exit velocity of nozzle. Numericals		Engineering R K			12-16 Az	7		-

Dr. N. Bhowe.

CCOEM- Clagger







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acamen with a difference



CCOEW/ME/ 21-22

Date: 20/12/2022

LESSON & TEACHING PLAN

				De	epartment of Me	chanical Enginee	ring					
culty	Name: Prof	f. Nikhi	I A. Bh	nave.		Subject: EC3			SEM: VII	(2022-23)		
No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	Link for quiz or poll	GATE/TCRT	Completion Date	Assignment/T utorial Date	HOD's sign	
	08 - 12 Aug 22	5		Reciprocating compressors: - Construction and working, iso compression process, work done with and without clearance effect of clearance, isothermal efficiency, methods for impre efficiency, mechanical efficiency, multistage compression, i work input.	Digital Board,	Thermal Engineering R K Rajput 3rd Edition		GATE	08/08			
	15 -20 Aug 2022	6	1	Roots blower & vane blower Principle, operation, parts, indicator diagram, work done, roots efficiency, vanes efficiency. (No analytical treatment expected) Numericals Centrifugal compressor: - Principle, operation, parts, velocity diagrams, static & total head	Green board, Digital Board, Youtube Videos	Thermal Engineering R K Rajput 3rd Edition		GATE	16/8 16/8 17/5 18/8 19/8			
				quantities, work done by impeller, isentropic efficiency, width of impeller and diffuser blades, slip				GATE	22/6			
	22-26 Aug 22	4	п	factor, pressure coefficient, power input factor. Numerical Axial flow compressor:- Principle, operation, parts,	Green board, Digital Board, Youtube Videos	Thermal Engineering R K Rajput 3rd Edition		GATE	23/8 34/8	Assignments		
	29-03 Sept. 22	6	11	velocity diagrams, work done, degree ofreaction, stage efficiency compressor characteristics, surging, chocking, stalling, polytropic efficiency Numericals Numericals Numericals Numericals	Green board, Digital Board, Youtube Videos	Thermal Engineering R K Rajput 3rd Edition	https://testbook.com/obj ective-questions/mcq-on- compressor— 5eea6a1539140f30f369f4 80	GATE GATE GATE	26/8 25/k 30/k 01/09 02/07 03/09		71	ر لي 11:
5	05-09 Sept. 22	5	ш	Internal Combustion Engines: Introduction, classification, components of I.C. Engines, working of two stroke and four stroke S.I. and C.I. Engines, valve and port timing diagram. Advantages and disadvantages, applications	Green board, Digital Board, Youtube Videos	Thermal Engineering R K		JAN 6	06/09			





1		1		Combustion in I. C. Engines: Combustion in S. I. Engine,		Raiput 3rd Edition	1				1
				stages of combustion, ignition lag, detonation.				GATE	69/03		
				Combustion in C. I. Engine, stages of combustion, delay					-		
								GATE	10/09		
				period, diesel knock, abnormal					10 10		
				combustion in S.I. and C.I. engines, detonation and					13/09		
				knocking					13/05		
-	12-16 Sept	-2		Fuel injection in I. C. Engines:		Thermal	https://www.objectivebo		14/09		
6	2022	5	III	Fuel supply to S. I. Engine, carburetion, simple carburetor,		Engineering R K	oks.com/ic-engines-		15/00		
				components, operation, MPFI.		Rajput 3rd Edition	multiple-choice-questions				
				Fuel supply to C. I. Engine, air injection system,				GATE	16/9		
				solid injection, fuel pump & fuel injector.				GATE	1770		
	17 22 5			Sessional 1						/	
	17-23 Sept	-		Sessional 1							
				Testing of I. C. Engines:- Performance parameters,						1	
				measurement of indicated, friction & brake					3/10		
				power, measurement of speed, fuel & air consumption,	Green board,						
	3-7 Oct 22			calculation of indicated & brake thermal	Digital Board,	Thermal			4/10		
7		5	IV	efficiency, volumetric efficiency, relative efficiency and	Youtube Videos	Engineering R K					
				mechanical efficiency,		Rajput 3rd Edition			5/10		
	The second			Numericals				GATE	6/10		
				Numericals				GATE	7/10		
				percentage of excess air, Heat balance sheet, exhaust gas				0,112	11.0		
				calorimeter,		Thermal			10/10		
8	10-15 Oct	4	IV	Numericals		Engineering R K			11/10	1/1	^
	22			exhaust analysis, performance characteristics,		Rajput 3rd Edition		GATE	12/10	1//	
				Numericals	Control Make	najpot ara cultion		GATE	13/10	1//	111
				factors influencing the performance of I.C. engines,	Green board, Digital Board, Youtube			ONIE	14/10		
				Numericals	Videos				15/10		
	100000	4		performance analysis of single and multi cylinder I. C. engin		Thermal	-			1 [0.	C. C. LOND
9	25 -30 Oct	6	IV	Morse Test	ies,	Engineering R K			25/10	(M)	717/23
-	21					Rajput 3rd Edition	-	GATE	26/10		
				Numericals		najput Sra Laition	-	GATE	27/10		717/23
				Numericals				GATE	28/10.		
	24-28 Oct			1. Control Pession							
				Diwali Vacations							
	22										
				Refrigeration: Introduction, definition & unit of					01/11		
-				refrigeration, single stage vapour compression		-	https://www.texalab.com		01/11		
				refrigeration system, effect of subcooling and superheating		Thermal	/prepare.php?dept=104-		02/11		
10	1-5 Nov 22	5		on COP with P-h and T-S diagram,		Engineering R K	Mechanical Engineering&				
				Numericals		Rajput 3rd Edition	sub=213-RAC&page=5		03/11		
-				Numericals				GATE	04/1)		
300			_	Numericals				GATE	05/11		
				Numericals					7/11		
		130		Numericals	Green board,	Thermal			8/11		
					Digital Daned	Engineering R K			9/11		S. Contraction of the Contractio
11	7-12 Nov	5		Vapor absorption refrigeration system (concept only),	Digital Board,	rugmeering n v			9/11		
11	7-12 Nov 22	5		Vapor absorption refrigeration system (concept only), refrigerants, refrigerants nomenclature,	Youtube Videos	Rajput 3rd Edition		GATE	10/11		



.



								2
	14-19 Nov			Air conditioning: Introduction, psychrometric properties and processes, human comfort and factors			12/11	
12	14-19 Nov	4	VI	Numericals			14/11	
	12		1	Numericals	Thermal	GATE	15/11	
				affecting comfort, Bypass factor, application of Psychrometries to simple air conditioning systems,	Engineering R K Raiput 3rd Edition	GATE	16/11	
13	21-26 Nov 21			typical summer and winter air conditioning system(concept only).	najput 310 Editori		(7 Å) Submissio	1 // //
14	28 Nov - 03 Dec 22			evaporative cooling, working of air washer.			20/1)	- Contraction
15	12-Dec			Sessional 2				7

Dr. N. A. Bhave.

(M. R. SHULLA) Head Dept of Nech Gogg. CODEW, Nagous







Maharsi Karve Stree Shikshan Samsthan CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/ME/ 22-23

Date: 08/08/2022

LESSON & TEACHING PLAN Department of Mechanical Engineering

Faculty Na	me: Dr. Ma	hesh Shul	da		Sub: Project	evaluation as	nd Manageme	ent			Sem:- V		
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
1	1 Aug -6 Aug			ONLINE SKILL DEVELOPMENT TRAINING									
				Definition & Characteristics of Project Performance Parameters: Time, Cost & Quality.							08/08	•	
2	8 - 13 Aug	3	1	Classification of Projects: Sector based, Investment based, Technology based,					Narendra Singh; Project Management & Control;	1/4	18/08		
				Classification of Projects: Cause based, Need based Balancing, Modernization,							18108		
				Replacement, Expansion & Diversification.					Narendra Singh;		18/08		
3	15 - 20 Aug	3	1	Project Life Cycle Phases - Concept/Initiation Phase:				TE TAND	Project Management & Control;		18108		
				Parameters Involved in Project Identification.							24108		
				Sources of New Project Ideas.					Narendra Singh;		24/08		
4	22 - 27 Aug	3	1	Incentives from state & central govt., Import-substitution projects.					Project Management & Control;		24108		
				Project Conceptualization & Feasibility Analysis Project							29/08		
	20 Aug 2			Definition Phase: Project Formulation & Feasibility Types of Feasibility Studies - Pre-feasibility, Support/Functional					Narendra Singh:		29/08		
.5	29 Aug - 3 Sep	3		Feasibility Study. Preparation of Project Feasibility Report & Specification; Aspects			3. 1		Project Management & Control;		29108		
				of Project Feasibility Managerial/Organization:							29/08		

Subject Teacher

(M.R. SHowns

HOD

(M R. SH UND)





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/Virtun- lab link Teaching Aid	Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
				Promoters Background, Criteria of Evaluation, Marketing/Commercial			#1				29108		
6	5- 10 Sept	3	2	Demand & Supply, Competition, Market Survey, Porter's 5 Forces,					Narendra Singh; Project Management & Control;		30/08		
				Operational/Technical: Process, Technology, Location, Capacity, Labour, Raw Material & Utility Availability					A Common,		3908		
				Financial: Cost of Project, Means of Finance, Financial Projections							01/08		
7	12 - 17 Sept	3	2	Profit & Loss Account, Balance Sheet, Funds Flow Statement, Cash Flow Statement, Schedule of Fexed Assets, Schedule of Term Loans.					Narendra Single; Project Management & Control;		01/09	וווכו	
				Socio-Economic: Socio-Cost Benefit Analysis. Effective Rate of Protection, Domestic Resource Cost.							011811		-3.
(8	17-23 Sept			Project Planning- Development of Project Network; Project Representation;	-	Se	essiona	al Exam 1	4		0409		
9	26- Sept - 1 Oct	3	,	Consistency and Redundancy in Project Networks; Project Scheduling-Basic Scheduling with AO-A Networks;					Choudary, Project Management, Tata McGraw Hill		07/09		
				Project Scheduling with Probabilistic Activity Times.					The desired to the second		05/09		
				Planning & Organization Phase: Project Planning, Scheduling &							100000		
				Monitoring,							0409		
10	3 - 8 Oct	3	3	Statement of Works, Project Specifications,					Choudary, Project Management, Tata McGraw Hill		02		
10	3 - 8 Oct	3	3	Statement of Works, Project Specifications, Work Breakdown Structure, Network Analysis & Duration Estimating Network Diagrams							16/11		
10	3 - 8 Oct	3	3 E	Statement of Works, Project Specifications, Work Breakdown Structure, Network Analysis & Duration Estimating Network Diagrams PERT/CPM, Estimate Activity Times					Management, Tata		16/11		
	3 - 8 Oct	3	3 P	Statement of Works, Project Specifications, Work Breakdown Structure, Network Analysis & Duration Estimating Network Diagrams				S	Management, Tata		16/11		

Subject Teacher
(M.R. SHUNGS)

(M.R. SHUKER





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Chapter no. Page no.edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
				Project Cost Estimation: Need, Causes of Cost & Time Overruns.					W		04/10		
12	17-22 Oct	3	.4	Nature of Cost Estimates, Types of Project Cost Estimates,					S. Choudary, Project Management, Tata McGraw Hill		4110		
				Estimation of Manpower & Utilities, Project Budgeting & Control,							4110		
				Earned Value Management System: Concept of AC, PV, EV, Variances, etc.							06/10		
13	24-29 Oct	31	4	Contract Management Responsibility Sharing Matrix					S. Choudary, Project Management, Tata McGraw Hill		07/10		
				Types of Contract Payments,					3133333111		07/10		
				Risk Factors in Contracts - Contractor & Owner							0711-		
14	31 Oct - 5 Nov	7	4	Project Management Information System and Control					S. Choudary, Project Management, Tata McGraw Hill		07/11-		
				Management Pitfalis.	-				McGraw Hill		01160		
		84		Project implementation & Control Implementation Phase Activities Involved					Chas R.B., Aqulino, N.J. and Jacob, F.R., Production and		10/10		
15	7-12 Nov	3	5	Erection & Commissioning, Installation,		100			Operations Management:		12/10		
				Trial Runs & Commencement of Commercial Production.	TE E				manufacturing and services, Tata McGraw Hill,		13/10		
				Cleanop/Shotdown Phase: Handover to Client,					Chas R.B., Aquileo, N.J. and Jacob, F.R., Production and		0311		
16	14-19 Nev	3	5	Settlement of Accounts, Project Risk Management,					Operations Management:		16/1/		
				Responsibility Sharing Matrix,					manufacturing and services, Tata McGraw Hill,		0811	1	

Subject Teacher (M.R. SHINES

(M. R. SHUNLES





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic 1D	PPt 1D	Video ID		Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
				Critical Chain Project Management					Chas R.B., Aquino, N.J. and Jacob F.R., Production and		9111		
17	21-25 Nev	3	5	Critical Path vs Critical Chain,					Operations Management		9111		
				Concept of Buffers - Project buffer, resource buffer, feeding buffer.					manufacturing and services, Tata McGraw Hill		11/11		
	28 Nov - 3 Dec	5,00			2	S	ession	al Exam I	ı				

Subject Teacher

HOD







Maharshi Karve Stree Shikshan Samstha's Educating Women for CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/ MECH / 22-23

Date: 04 / 08 / 2022

					Albitotham	& TEACHING P					- 7		
				сим	MINS COLLEGE OF E	NGINEERING FO	R WOMEN, NAGPUR						
Faculty	Name: Dr.	Shalle	sh N. K	hekale				Subject: Design of Mechanical Drives (BEME705T)	SEM -ODD (2	2022-23)		Sem	:- VII
WEEK No.	Week	No. Of	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/Teaching Aid	Refrence Book - Chapter no. Page no.	Completion Date	Assignme nt Date	Tutorial date	HOD's remark	Principal
				Design of Coupling, Introduction to Coupling, Types of shaft coupling.	DMD_ME_ppt_01	DMD_ME_ V_01)				
	8-12			Design of flange coupling with numerical	DMD_ME_ppt_01			Machine Design By			1000		
1	Augus	- 4	1	Design of flange coupling with numerical .	DMD_ME_ppt_01			Khurmi Gupta , V.B Bhandari (330 -370)	721/8				
	1			Design of flange coupling with numerical	DMD_ME_ppt_01								
				Design of flexible bush coupling with numerical	DMD_ME_ppt_01				1				100
				Design of flexible bush coupling with numerical	DMD_ME_ppt_01			Machine Design By				10.00	23.7
				Design of Bearings with introduction and tyes.	DMD_ME_ppt_02	DMD_ME_ V 02			5.			1000	1 6 5
2	16-20 Augus	5	1	Types of Lubrication and oil seals	DMD_ME_ppt_02		Use of different oil	Khurmi Gupta, V.B	74/8		1. 5		
-	t	3	1	Design of hydrodynamic journal bearings for radial loads with numerical	DMD_ME_ppt_02		present at home and applting in nut-bolt	370)234]			168	9 10	
				Design of hydrodynamic journal bearings for radial loads with numerical	DMD_ME_ppt_02		or hinjes of door and windows						
				Design of ball and roller bearing for radial and thrust loads	DMD_ME_ppt_02	DMD_ME_ V_03			1				
	22-26			Design of ball and roller bearing for radial and thrust loads with numerical	DMD_ME_ppt_02		Observe and analys	sed in pes of Wachine Design By Khurmi Gupta , V.B					
3	Augus	4	1&2	Design of ball and roller bearing for radial and thrust loads with numerical.	DMD_ME_ppt_02		bycycle and types o load appled during running and steady			7	1		1
				Design of ball and roller bearing for radial and thrust loads with numerical	DMD_ME_ppt_02		condition.				1		
				Failures of antifriction bearing, bearing housing.	DMD_ME_ppt_02						1	1	
				Design of Flat belt drive with introduction and types	DMD_ME_ppt_03	DMD_ME_ V 04					1.		









CCOEW/ MECH / 22-23

Maharshi Karve Stree Shikshan Samstha's Educating Women for CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Cummins Court of manuscrino Court of manuscrino

Sharpening Engineering Acumen with a difference

Date: 04/08/2022

LESSON & TEACHING PLAN CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR Sem:- VII Subject: Design of Faculty Name: Dr. Shailesh N. Khekale SEM -ODD (2022-23) Mechanical Drives (BEME705T) HOD's Principal Tutorial 6 WEEK No. Of Unit Assignme Refrence Book -Activity/Teaching Completion remark Exact Topic Name & Subtopic PPt ID Video ID Lect No. nt Date Chapter no. Page no. Date Aid Belt material, analysis of belt tension, condition for DMD ME ppt 03 transmitting maximum power Design of flat belt with numerical DMD_ME_ppt_03 DMD_ME_ppt_03 Machine Design By Design of flat belt and pulley with numerical Augus Khurmi Gupta, V.B DMD_ME_ppt_03 Design of flat belt and pulley with numerical 1-3 Bhandari Design of V belt drive: Types of V-belt, analysis of V-belt Sept Septemb DMD_ME_ppt_03 Design of V belt & pulley with numerical DMD ME_ppt_03 Design of V belt & pulley with problem Design of Roller chain drive: Velocity ratio and length of Observation and DMD_ME_ppt_04 chain, design of chain, dimensions of analyse the chain Design of Roller chain drive with problem DMD_ME_ppt_04 Machine Design By used in bycycle and 05-9 Khurmi Gupta, V.B bike. Design of Roller chain drive with numerical DMD_ME_ppt_04 Septe. Bhandari Design of wire rope drive: Introduction to wire rope, stresses DMD_ME_ DMD_ME_ppt_04 in hoisting wire rope. DMD_ME_ppt_04 Design of wire rope, sheave and drum with numerical DMD ME ppt 04 Design of wire rope, sheave and drum with numerical Oservation and analysis of wire rope DMD_ME_ppt_04 Design of wire rope, sheave and drum with numerical im Lift Machine Design By Khurmi Gupta , V.B DMD ME ppt 04 14th Design of wire rope, sheave and drum with numerical 12-16 Sept Bhandari Septe. Design of Gears: Review of kinematics of gears & DMD ME DMD_ME_ppt_05 terminology, interference, tooth profiles, V 09

Faculty









Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN
Sharpening Engineering Acumen with a difference



Date: 04/08/2022

CCOEW/ MECH / 22-23

				- CUMI	MINS COLLEGE OF EN	NGINEERING F	OR WOMEN, NAGPUR	3					
aculty !	Name: Dr.	Shailes	h N. Ki	nekale				Subject: Design of Mechanical Drives (BEME705T)	SEM -ODD (2	2022-23)		Sen	1:- VII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/Teaching Aid	Refrence Book - Chapter no. Page no.	Completion Date	Assignme nt Date	Tutorial date	HOD's remark	Principa
7	17-23 Sept						Sessional - I						
				Design of Spur Gear drive with numerical					1				
				Design of Spur Gear drive with numerical				Machine Design By					
8	26 Sept-	4		Design of Spur Gear drive with numerical				Khurmi Gupta , V.B	(
0	01 Oct	7		Design of Spur Gear drive with numerical				Bhandari (430 -	1610				
				Design of Helical Gear drive with numerical	DMD_ME_ppt_06			550)356)					
	176		4	Design of Helical Gear drive with numerical	DMD_ME_ppt_06				7				
				Design of Helical Gear drive with numerical		12 43 1							
	3 -7 Oct			Design of Helical Gear drive with numerical				Machine Design By	}			1	
9		5		Design of Bevel Gear Drive: Types of bevel gear, proportions of bevel gear, force analysis of bevel gear drive	DMD_ME_ppt_07	DMD_ME_ V_10		Khurmi Gupta , V.B Bhandari (430 - 550)356]	7/10				
				Design of bevel gear drive with numerical									
				Design of bevel gear drive with numerical					0				
			10 18	Design of bevel gear drive with numerical									
				Design of bevel gear drive with numerical								1000	
				Design of bevel gear drive with numerical				Machine Design By	4			330	
10	10-15 Oct.	5	4	Design of Worm Gear Drive: Worm Gearing—AGMA Equation; Worm-Gear force analysis	DMD_ME_ppt_08	DMD_ME_ V_11		Khurmi Gupta , V.B Bhandari (430 - 550)356]	10/10	14th Oc			
				Design of Worm Gear Drive with numerical				550)556])				
				Design of Worm Gear Drive with numerical								10000	
				Design of Worm Gear Drive with numerical									
	100	100		Design of Worm Gear Drive with numerical							10-24	1 3 3 3	1 - 1
	1000	1		Design of Worm Gear Drive with numerical				Machine Design By Khurmi Gupta , V.B	Tichi		1000	18 -3	1000
11	17-21 Oct.	5		Design of Worm Gear Drive with numerical				Bhandari (430 -	1016		1		
	1			Design of Worm Gear Drive with numerical				550)356]			12		







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/ MECH / 22-23

Date: 04 / 08 / 2022

				CHA	Sales Control of the	& TEACHING P	OR WOMEN, NAGPUR						
aculty I	Name: Dr	. Shalles	h N. Ki		WINS COLLEGE OF EN	IGIIVEENING P	N. Heinzig in a	Subject: Design of Mechanical Drives (BEME705T)	SEM -ODD (2	022-23)		Sem	:- VII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/Teaching	Refrence Book - Chapter no. Page no.	Completion Date	Assignme nt Date	Tutorial date	HOD's remark	Principal
				Design of Worm Gear Drive with numerical									
12	24-28 Oct.					DIV	WALI VACCATION						
		-		Design of Flywheel with Functions, Coefficient of fluctuation of energy		DMD_ME_ V_12		. Dain B)				
13 29 Oct. 5 Nov.	4		Coefficient of fluctuation - of speed, energy storage in flywheel	DMD_ME_ppt_09		Observation and analyse the flywheel	Machine Design By Khurmi Gupta , V.B Bhandari (430 -						
			Stresses in flywheel, design of flywheel			used in motor byke	550)356]	1					
				Design of flywheel with numerical									
	1000			Design of flywheel with numerical					7				
	100			Design of flywheel with numerical				Machine Design By					
14	07-11 Nov	5	5	Design of flywheel with numerical				Khurmi Gupta , V.B Bhandari (430 -					1000
				Design of flywheel with numerical				550)356]	>				
				Design of flywheel with numerical					18/10	(h3		1	120
	200			Design of flywheel with numerical									
			Design of flywheel with numerical				Machine Design By						
15	14 - 19	5		Design of I. C. Engine components		DMD_ME_ V_13		Khurmi Gupta , V.B Bhandari (430 -					
	Nov			Introduction to selection of material for I. C. engine components	DMD_ME_ppt_10	1000		550)356]					
	1000			Design of cylinder and cylinder head									







Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2021-22

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in









Maharshi Karve Stree Shikahan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCDEW/Mech/ 21-22

Date: 17/03/2022

		200-0			Department of Mechanical Engg.				1		
culty !	Name: Pro	d. Yogesh	Dandeka	W.	Sub: MSE				Year:	2021-22	Sem:
EEK io.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Gate/TCRT	Completion Date	Assignment/Tu torial Date	AC's si
1	1	4	1	Introduction to the subject							
1		1		Classification of materials. Properties and applications of materials	Students will be made a tour to the campus and list out different materials and upland their photos on padlet with explanation of the material with it	Physical Metallurgy by					
1				Crystalline nature of metals, specially macroscopic and microscopic examination of metals.		1 Re Ale					
1		1		Alloys and Solid Solutions. Types and their formations							
1		1	1	Modified Gibb's phase rule	Students will prepare a video on Gibb's palse rule and upload it on YouTube Channel						
1	2	4	1	Cooling curves and phase equilibrium diagrams							
		1	1	Study of equilibrium digarmas. (elements completely soluble in each other)							
		1		Study of equilibrium digarmas and invarient reactions							
		1		Iron-iron Carbid ephase equilibrium diagram	Students will prepare a board model of Fe-Fe3C diagram with explanation						
	2	^		Critical Temperatures in Fe-Fe3C phase equillibrium Diagram					-		
	>	1		Microstructure of slowly cooled steels	Students will prepare a video on eutectoid, hypo eutectoid and hyper eutectoid reaction and upload it on YouTube Channel				-		
-		-	1	Estimation of carbon from the microstructures and structure property relationship	Students will prepare a video on estimation of carbon from the microstructure and upload it on YouTube Channel						
+		1	i	Classification and application of plain carbon steels	Students have to identify various plain carbon steels samples						
T	4	4	1		Students need to prepare a presentation on effects of alloying elements on properties of steels and upload them on google classroom						
t	-	i	2	Alloy Steels Hadfield Managnese Steel, Ball Bearing Steel	Students need to prepare a presentation on different alloy steels and upload them on google classroom						



_		Al-Si diagram, bearing materials	1			
- 1	1	Powder Metallurgy, powder manufacturing and conditioning		-		
10 4	5	Product of sitered Structural components				
1	1	Self lubricating bearing cemented carbides				
1	1	Ceramics, Sintered Carbide Cutting Tools				

Ac



Maharshi Karva Siroo Shikshan Samsiha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Advance with a different



Lab Practicals Plan

	DEW/ Department of Mechanical Engineering gesh Dandekar	2021-22	Material Testi	ng		Section:
			8	atchB 1		
Pi	Name of experiment	Possible variations used	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remari
pri	print		print	fill	fill	nıı
1	Create a specimen for metallographic examination- sampling and	Students will be given different materials	3/22/2022			
	Create a specimen for metallographic examination-grinding, polishing		3/29/2022			
2	Analyze the microstructure and investigate properties of different	students will be provide different microstructures	4/5/2022			
-	ferrous and non ferrous materials Test Different Engineering materials	each group will be given different material and different test	4/12/2022			
_		each group need to perform hardenability test on different samples	4/19/2022			
	analyze the hardenability	Orfferent laoding conditions will be given during practical	4/26/2022			
	To familiarize material behavior under different loading conditions	Surface hardness of different materials need to	5/3/2022			
6	To acquaint with surface hardness measurement method	be found out	£/10/2013			
-	To study and analyze deflection of beams in various loading conditions	Different c/s will be provided for same material	5/10/2022			
	To study and understand behavior of material under various loading	variation in loading beahvior will be given	5/17/2022			
	conditions.	izod and charpy tests need to be carried out by	5/24/2022			



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Acumen will a difference



CCOEW/ME / 21-22

Date: 4/ 03 / 2022

cu	Ity Nam	m Port			Department of N	Mechanical Engineer	ing			Sec:	Year: 2	021-22	Sem:- IV
		Prot.	or. Sha	ilesh Khekale				Sub: Machining Proces	ises	sec.	Teal . Zi	DET-EE	Seitt IV
VE K	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID		Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll		Assignmen t/Tutorial Date	
				Machining & Machining Parameters	ME4MPW01D010221 L01	MP_ME_ppt_01	MP_IM_V_01	Sharpening of pencils by sharpener			21/3	1	
	21-25 March		1		ME4MPW01D020221 L02	MP_ME_ppt_01	MP_NTG_V_02	to understand the	PN Rao Ch.4.		243		
				INDESTRUCT METAL Lutting Chip formation	ME4MPW01D030221 L03	MP_ME_ppt_01	MP_TM_V_02	machining	p. 116-146 Garg p.464-479,		25/3	11	
	28 March -1 April			Tool materialand it's properties, classification, HSS, carbide tool, coated tools, diamond coated tool	ME4MPW02D040221 L04	MP_ME_ppt_01	EP_MI_V_02	Cuttting of potato. cucumber to understand the	R. K. Jain p. 441 464		25/3		-
		3	1	Orthogonal and Oblique cutting	ME4MPW02D040221 L05	MP_ME_ppt_01	MP_TM_V_02	concept of chip formation			28/3	1	-
				Mechanics of Metal Cutting	ME4MPW02D040221 L06	MP_ME_ppt_01	MP_TM_V_02	Use of different			13/3		1
-		3 11		Merchant's circle, Estimation of tool life, Feed and depth of cut on power requirement	ME4MPW03D080221 L07	MP_ME_ppt_01	MP_TM_V_02	kichen tools like knife, vegetable	1		24/3		1
	4-8 April		I	Influence of tool angle, cutting fluids, cutting speed, feed and depth of cut on power requirement, Estimation of tool life.	ME4MPW03D080221 L08	MP_ME_ppt_01	MP_TM_V_02	piller etc with variation in angle depth of cut	Hazra p.53-55		114	THE RESERVE OF THE PERSON NAMED IN	1
				Lathe Introduction and types, Mechanism and attachments for varie	ME4MPW03D080221	MP_ME_ppt_01	MP_TM_V_02	The state of the s	Hajra P 86 to 9	98	5/4/7	12	11
1				Construction of simple lathe	ME4MPW04D110221 L10	MP_ME_ppt_02	MP_TM_V_02		and R K Jain 441-464	p.	819		1:
	11-16	3	п	Machine specifications basis for selection of cutting speed	ME4MPW04D11022	MP_ME_ppt_02	MP_TM_V_02	Concept of lathe			11/4		1
	April			Machine specifications basis on feed and depth of cut	ME4MPW04D11022 L12	MP_ME_ppt_02	MP_TM_V_02	example of rotation	8		esta	1	

Faculty in Charge

Jul?





E N	K Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab	Chapter no. Page	link for quiz	Completio n Date	Assignmen t/Tutorial Date	AC's si
5		3	П	Time estimation for turning operations such as facing, step turning	ME4MPW05D130221	MP_ME_ppt_02	MP_TM_V_02	sharpener in fixed position	no,edition. No		(2/4		1
	April		ш	Time estimation for taper turning, threading, knurling	ME4MPW05D130221 L14	MP_ME_ppt_02	MP_TM_V_02				19/4		
				Introduction to Capstan & Turret Lathe and fundamentals of NC. Shaper: Introduction and types	ME4MPW05D130221 L15	MP_ME_ppt_02	MP_TM_V_02	Concept of	Garg p.464-479,		19/4		
	25-			Specification, description of shaper machines,	ME4MPW06D130221 L13	MP_ME_ppt_02	MP_TM_V_02	shaper/planer machine can be explained by	R K Jain p. 441- 464		22/4		
6	30Apri	4	ш	Hydraulic drives in shapers, cutting parameters	ME4MPW06D130221 L14	MP_ME_ppt_02	MP_TM_V_'02	keeping cucumber in horizontal			22/4	/	
		130		Mechanism of shaper Quick cotus	ME4MPW06D130221 L15	MP_ME_ppt_02	MP_TM_V_02	hand on one side	Hazra p. 56-79 RKJain, ch. 23, p		22/4		
7	2-7	180		slotted link mechanism	ME4MPW06D130221 L16	MP_ME_ppt_02	MP_TM_V_02	and using vegetable piller from free side.	13.73		25/4		
	May					Sessional I							
	0.12			Table feed mechanism, attachments for shaper, work holding devices	ME4MPW07D130221 L13	MP_ME_ppt_02						1	
8	9- 13 May	3		Planer. Introduction, specifications, description type of planner, open side planner, pit planner	ME4MPW07D130221 L14	MP_ME_ppt_02			Hazra p. 56-79 RKJain, ch. 23, p		26/4		
				Mechanism for planner: Driving mechanism, feeding mechanism, planner cutting tools, cutting parameters.	ME4MPW07D130221 L15	MP_ME_ppt_02			719-725		26/4		
				Milling Machine: Specification, types, column & knee type milling machine	L13	MIP_MIE_ppt_02			Hazra ch. 7,		21/9	1	
9		3	IV	Fixed bed type milling machines, production milling machines.	ME4MPW02D130221 L13	MP_ME_ppt_02			p.297-324, RKJain, ch. 23, p		29/4	1	1
			5	Special purpose milling machines such as thread milling Machines	ME4MPW02D130221 L13	MP_ME_ppt_02			719-725		21/4		17
			F	Profile milling machine, Gear Milling/Hobbing machines	ME4MPW10D130221 L13	MP_ME_ppt_02		1000		13 14	10/5		
	16-21	4	IV 1	Types of milling operations,	ME4MPW10D130221 L14	MP_ME_ppt_02		1000	1236		12/5		
10	May	2		ool geometry & their specifications	ME4MPW10D130221 L15			Students elaborated Milling machine			12/5		
	1	3.4		fechanisms & Attachments for Milling. Cutting, parameters,	ME4MPW10D130221	MP_ME_ppt_02		and it's parts with					





	WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignmen t/Tutorial Date	AC's sign
	11	23- 27			Indexing- simple, compound and Differential Indexing	ME4MPW11D130221 L13	MP_ME_ppt_02					1		-
	11	May	3	IV	Orinding operations, grinding wheel,	ME4MPW11D130221 L14	MP_ME_ppt_02			Hazra ch. 9, p. 347-356		-		
-	-				Specifications & selection, cylindrical & centreless grinding operation, surface grinding, tool & cutter grinding, time estimation	ME4MPW11D130221 L15	MP_ME_ppt_02							
				100	Super finishing process: Honing, Lapping, polishing, buffing,	ME4MPW02D130221 L13	MP_ME_ppt_02	4,5,12,61	Concept of Grinding process				1	
1		30 May- 4	3	IV	polishing, buffing, 'metal spraying, Galvanizing and electroplating	ME4MPW02D130221 L13	MP_ME_ppt_02		with Emery paper with different	13323		nis	1	
	1	June			Process parameters and attainable grades of surface finish, surface measurement.	ME4MPW02D130221 L13	MP_ME_ppt_02		grades and wooden part			1	1	
-	1				Specifications & selection, cylindrical grinding operation	ME4MPW02D130221 L13	MP_ME_ppt_02							
1	1				Attainable grades of surface finish surface measurement	ME4MPW02D130221 L13	MP_ME_ppt_02					2		
1		6-10 June	3	V	drills, drill size and	ME4MPW02D130221 L13	MP_ME_ppt_02		Use of sharp tip of grater to make hole in Potato to	Hazra ch. 11, p		(73)	1	
					Bench drilling machine, right drilling machine, radial drilling machine, universal drilling machine,	ME4MPW02D130221 L13	MP_ME_ppt_02		understand the	397-406,)		
					Multisided drilling machine.Drilling machines operations,time estimation for drilling.	ME4MPW02D130221 L13	MP_ME_ppt_02					2		
14		3 - 18 June	3	v	Reaming Introduction, description of reamer, type of reaming operations.	ME4MPW02D130221 L13	MP_ME_ppt_02	1				(-		1
1	1				Boring: Introduction, types of boring machine	ME4MPW02D130221 L13	MP_ME_ppt_02			Hazra ch. 11, p).	J		11 /
15	20	0 - 24	-		Horizontal boring machine, vertical boring machine, jigmachine, microboring. Boring operations.	ME4MPW15D130221 L13	MP_ME_ppt_02			397-406,		3	K	
13	1	lune	2		Broaching:Introduction,typeofbroaches,nomenclatureofbroaches.typesofbroachingmachin	ME4MPW15D130221 L14	MP_ME_ppt_02					(27)		
16	27.	June-					Sessional II							

Sub. Teacher

Faculty in Charge







Maharshi Karve Stree Shikshan Samsth Ys CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/MECH / 21-22

LESSON & TEACHING PLAN for Control System Engineering

Date: 30/1 / 2022

	21 01					Department of	Mechanical I	ngg.				THE RESERVE	
Faculty	Name: Pro	f. Vikram	Dandek	ar				Sub: Control S	ystem Engineering		Year:	2021-22	Sem:- VI
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
					ME602CSEW01D010222 L01		CSE_CS_V_ 01	MatLab Required			112122		
				Control System controls: Study of	ME602CSEW01D020222 L02				Control System Engineering, J.		2/2/22		
1	1 Feb -5	6		Control System components such as hydraulic actuators. Servomechanism D.C. and A.C.	ME602CSEW01D030222 L03		CSE_CS_V_ 02		Magrath and M.Gopal, New		3/2/22		
	Feb			motor, liquid level control, Automobile Power Steering Control,	ME602CSEW01D040222 L04				Age International Publishers, 5th		4/2/22		
				,	ME602CSEW01D050222 L05				Edition, 2007 Pg. 101-200		5/2/22		
					ME602CSEW01D060222 L06				101-200			()	
			- 19		ME602CSEW02D080222 L07	CSE_CS_ppt _02					7/2/22		V red
				Speed Control, Position control of	ME602CSEW02D090222 L08		CSE_CS_V_0 3		Control System Engineering, J.		8/2/22		1/1
2	7 Feb -11	6	I	Robotic Manipulator etc. Study and Analysis of performance characteristics, the concept of various	ME602CSEW02D100222 L09		CSE_CS_V_0 4		Nagrath and M.Gopal, New		9 2 22		91
	Feb			types of system like machine tools, Prime movers, system	ME602CSEW02D110222 L10				Age International Publishers, 5th		10 2 22		
				generators, etc.	ME602CSEW02D120222 L11				Edition, 2007 Pg. 101-200	THE RESIDENCE	11/2/22		
					ME602CSEW02D130222 L12				101-200				
					ME602CSEW03D150222 L13	CSE_CS_ppt 03					14/2/22		
	300 33			Modeling of Mechanical System:	ME602CSEW03D160222 L14		CSE_CS_V_ 05		Control System		15/2/22		
3 1	4 Feb-19	6		Basic Elements of Control System – Open loop and Closed loop systems – Differential equation –	ME602CSEW03D170222 L15				Engineering, J. Nagrath and M.Gopal, New		16/2/22	/	Pitter
	Feb			Laplace Transform -Transfer	ME602CSEW03D180222 L16		CSE_CS_V_ 06		Age International Publishers, 5th		17/2/22		
cult	y in Cha	arge (HOD	L				





WEE	Maak	No. Of Lect.	Uni No	Evact Tonic Name & Subtonic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Rei Ce Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				system like	ME602CSEW03D190222 L17				Edition, 2007 pg.201-300		18/2/22		
					ME602CSEW03D200222 L18								
					ME602CSEW04D220222 L19	CSE_CS_ppt _04					24/2/22		
				Translational, rotational mechanical	ME602CSEW04D230222 L20		CSE_CS_V_07		Control System Engineering, J.		22/2/22		
4	22 Feb -25	6	I	systems, Electric systems, Electronic	1.22				Magrath and M.Gopal, New		23/2/22		
	Feb		1	Electro-mechanical system. Concept of transfer function & its	ME602CSEW04D250222 L22				Age International		24/2/22		
				determination for physical systems.	ME602CSEW04D260222 L23		10 191		Publishers, 5th Edition, 2007 pg. 301-400		25 2 22		
					ME602CSEW04D270222 L24				301-400		23 2 22		
					ME602CSEW05D010322 L25	CSE_CS_ppt					28/2/22		
				Transfer Function system Representation through Block	ME602CSEW05D020322 L26		CSE_CS_V_ 08		Control System Engineering, J.		28 212		
5	28 Feb - 5	6	п	Diagram and Signal Flow Graph: Block	ME602CSEW05D030322 L27		CSE_CS_V_ 09		Nagrath and M.Gopal, New		2/3/22		
	Mar		11	Diagram representation, Reduction Techniques for single and multiple input/output, Conversion of	ME602CSEW05D040322 L28				Age International		3 3 22	h	
				Block Diagram into Signal Flow Graph	ME602CSEW05D050322 L29		A SAME	1.07/20193	Publishers, 5th Edition, 2007 pg.				ne
					ME602CSEW05D060322 L30				401-500		4/3/22		122
					ME602CSEW06D080322 L31	CSE_CS_ppt	W 184 1				8 8 22	0	121
				Conversion of algebraic equation into	ME602CSEW06D090322		CSE_CS_V_		Control System		7 3 22		
	7 Mar -11	6		Block Diagram and Signal Flow Graph. Transfer function	ME602CSEW06D100322				Engineering, J. Nagrath and		8 3 22		
	Mar	6	П	through Block Diagram	ME602CSEW06D110322		CSE_CS_V_		M.Gopal, New Age International		9/3/22		
	1000			Formula,	ME602CSEW06D120322				Publishers, 5th Edition, 2007 pg. 500-523		10 3 22		
					ME602CSEW06D130322				300-323		11 8/22		
1	4 Mar - 19 Mar				.36		0	essional 1			12/3/22		





WEE	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Recte Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
	1			System Response & Time Domain	ME602CSEW08D220322 L36	CSE_CS_ppt					22/3/		
				Response Analysis: First and second order systems response to	ME602CSEW08D230322 L37		CCF CC 11 12		Control System Engineering, J.	1. 7. 19	23 2		
	22 Mar - 25			impulse, ramp and sinusoidal inputs, properties of unit step response of second order system,	ME602CSEW08D240322 L38		CSE_CS_V_12		Nagrath and M.Gopal, New		24 2		
8	Mar	6		systems with velocity lag, Steady state errors and Error	ME602CSEW08D250322		CSE_CS_V_13		Age -				/
				constants.Signals: Step, Ramp, Impulse, Parabolic and Periodic	L39 ME602CSEW08D260322				Publishers, 5th Edition, 2007 pg.		25/23		
				signals with their mathematical representation and characteristics.	L40 ME602CSEW08D270322				550- 602				
			Ш	representation and characteristics.	L41 ME602CSEW09D290322								
				Mode of Controls: Basic control actions and Industrial controllers.	L42	_08					2813		
		1 3		Introduction to P, PI and PID controllers their characteristics,	ME602CSEW09D300322 L43				Control System Engineering, J.		29/9		
9	28 Mar - 1	6		representation and applications. Classification of industrial	ME602CSEW09D310322 L44		CSE_CS_V_ 14		Nagrath and M.Gopal, New		30 3		
	April			automatic controllers, control actions, proportional controllers, obtaining	ME602CSEW09D010422 L45				Age International Publishers, 5th		31/3	3 8 22	
100				derivative and integral control action, effects of integral and	ME602CSEW09D020422 L46				Edition, 2007 pg. 343-422		1/4	-111	
				derivative control action on system performance.	ME602CSEW09D030422				20000		114		
					L47 ME602CSEW11D120422	CSE_CS_ppt	18000						
				Control system analysis: Concept and	L48 ME602CSEW11D130422	_09					414		
		100		types of stability, Routh-Hurwitz Criterion and its	L49				Control System Engineering, J.	Marcello Line	5/4	1	
10	4 April - 9	6	IV	application for determination of stability, limitations.	ME602CSEW11D140422 L50		CSE_CS_V_ 15		Nagrath and M.Gopal, New		614		Ew .
	April			Root locus plot: Simple transfer	ME602CSEW11D150422 L51				Age International Publishers, 5th		714	1 X	107
				locus.	ME602CSEW11D160422 L52				Edition, 2007 Pg. 501-622		8/4		218709
					ME602CSEW11D170422						017		
					L53 ME602CSEW12D190422	CSE_CS_ppt_1					11)4		
1	27,816	- 18	111		L54 ME602CSEW12D200422		CSE_CS_V_16		Control System				
		4114		rieducite Domain analysis -	L55				Engineering, J. Nagrath and		12/4	1	
11	11 April -	6		System.	L56		Part Series	_	M.Gopal, New		13)4		
Facu	lty in Cha	arge						HOD	الماران				



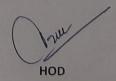


WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Recce Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
11	16 April			Bode & Polar plot: Determination of Gain Margin, Phase Margin and their Stability from Bode and	ME602CSEW12D220422 L57				International		11/4		
				Polar plots.	ME602CSEW12D230422 L58				Publishers, 5th Edition, 2007 pg. 638- 720		1214	9	
					ME602CSEW12D240422 L59				030-720		13)4		
					ME602CSEW13D260422 L60	_11					1814		
	, 18 April -				ME602CSEW13D270422 L61		CSE_CS_V_ 17		Control System Engineering, J.		1914		
12	18 April - 22 April	6	VI	lag, System identification from Bode I	ME602CSEW13D280422 L62				Nagrath and M.Gopal, New	134444	20/4	/	
	22 April		-	plot.	ME602CSEW13D290422 L63				Age International Publishers, 5th		21/4		1811
					ME602CSEW13D300422 L64				Edition, 2007 pg. 523-576				
					ME602CSEW13D010522 L65				. 323-370		1 2 1 1		
				Continuous Time systems: State	ME602CSEW14D030522 L66		CSE_CS_V_ 18				25/4		n
1				State Variable Representation – Solutions of the state equations	ME602CSEW14D040522 L67		CSE_CS_V_ 19		Control System Engineering, J.		26/4		W
	5 April -	6	II.	Concepts of Controllability and Observability, State space	ME602CSEW14D050522 L68	CSE_CS_ppt _12			M.Gopal, New		27/4	Vi	1200
				systems.	ME602CSEW14D060522 L69				Age International Publishers, 5th		28/4	C	.\
					ME602CSEW14D070522 .70				Edition, 2007 pg. 725-812		29/4		
				Compensation and Dala Zana	ME602CSEW14D080522 .71				Pg. 723-012				
4 2	may - 7 May						Sessional	II					

Sub Searror

Ac

Faculty in Charge







						Depar	tment of MECHAI	NICAL ENGINEER	UNG				
aculty !	Name: Pr	of. Adi	ya Kaw	adask	kar				ions Research	Sec:	Year : 302	1-22	
x/.	week /	No. C			Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teachin Aid	no,edition. No		Completion Date	Assignment/Tu torial Date	/ AC's
			I	L	ntroduction to O. R. & basic O.R. Models	OR_ppt_01			OPERATION RESEARCH B	Y	02/02		1
						OR_ppt_01			GUPTA AND D.S HIRA, CH		02/02		1
				V	Methodology of O.R., Limitations & Applications	OR_ppt_01			NO.1,PAGE NO.1-20		02/02	/	1
1Feb -6	eb -6Feb	eb 6			Linear Programming:- Introduction, Linear programming problem formulation,LPP Solution by Graphical Method	OR_ppt_01		Problem on workshop Inventory	OPERATION RESEARCH BY PREM KUND D.C.		04/02/		/
					Numericals	OR_ppt_01			GUPTA AND D.S HIRA, CH. NO.1,PAGE	0:	5/02/	11	/
					Numericals	OR_ppt_01			NO.39-138	N	3/02/	11	
				п	Simplex Method, Principle of Duality & Formulation of Model only, Sensitivity Analysis Concept Only, Tutorial	OR_ppt_01					Assi10/2	2/202	K
					Numericals	OR_ppt_01		Simplex on Microsoft excel		3/2	2		
2	8FEE FE		3		Numericals	OR_ppt_01		R P GU	OPERATION RESEARCH BY PREM KUMAR JPTA AND D.S HIRA, CH.	10/2			
		ARREST CONTRACTOR OF THE PROPERTY OF THE PROPE			Numericals	OR_ppt_01			NO.2,PAGE NO.139-169	11/2			
		the state of the s			Numericals	OR_ppt_01				12/2			
					Numericals	OR_ppt_01				13/2	Tutorial 13/2/22		



HOD

Dr. Millind Khanapurkar Principal Maharth Kirrs Stree Shikkhan Sanetha's 'unniss Crilige of Expressing for Women Kingon, Napou-441119

	/	EH 30/	/	/	/.	Transportation Model - Information for Ak 99 method	OR pp. 2		Humericals M H	14/2	1
. /	"	K# /			/NI	more als	OR ppt 2		380	11512	1
/		/	/		Num	rer als	OR_ppt_2			16/5	
/		/	/		Num	er als	OR_ppt_2			17/2	
					Nume	ricals C	DR_ppt 2			182	
					\ 1	lanced Transportation Problem, Degeneracy, Transshipment Problem,Assignment Model – bduction, Variants of Assignment Problems	OR_ppt_2	Activity on batting order of Indian Batsman	RESEARCH BY PREM KUMAR GUPTA AND	20/2	
	22F	FR.			N	mericals	OR_ppt_2		D.S HIRA, CH. NO.3,PAGE	22/2	
4		FEB	2	1	ı N	umericals	OR_ppt_2		NO.228-266	2312	
					1	lumeneals	OR_ppt_2			24/2	
					1	Fraveling Salesman Problem — Branch & Bound Technique, Network Model — Project Management, Formation of Network, CPM , Tutorial	OR_ppt_2	Actual Salesman travelling in Nagpur	OPERATION RESEARCH BY PREM KUMAR GUPTA AND D.S	25/2	
						Numericals	OR_ppt_2		HIRA, CH.	26/2	
	1					Numericals	OR_ppt_2		NO.4,PAGE NO.322-357	27/2	111/
						PERT analysis, Probability of Completion of Project, Cost Analy of Project, and Concept of Crashir Tutorial	or_ppt_4	chart on Mini project	OPERATION RESEARCH BY PREM KUMAR	01/03	1 - we
		1MARC				Numericals	OR_ppt_4		GUPTA AND D.S HIRA, CH.	02/03	
	5	6MARC			IV	Numericals	OR_ppt_4		NO.14,PAGE NO.1188-1258	6363	
						Numericals	OR_ppt_4			04/03	
						Replacement Model - Replacement Analysis - Replacement of items deteriorated with time.Replacem of items that fails suddenly, Tuto	ent OR_ppt_5		OPERATION RESEARCH BY PREM KUMAR GUPTA AND D.S	oslos	



Dr. Milind Khanapurkar Principal Waharsh Karer Stres Sakshan Sanetha's Sunniss College of Engineering for Monten Lee

				1	Numericals	CHE PPI 3		NO.11,PAGE NO.981-993	0807		
/				/	/	CMS PART S		e / c reality/districts/50%	03/03		
	0 13	MAR-		v	Group Replacement Creating Theory At M. I model (without derivation)			OPERATION RESEARCH BY PREM KUMAR	1013	_	
			/	1	Numericals	OR_ppt_5		GUPTA AND D.S HIRA, CH.	11/3		
				N	umericals	OR_ppt_5		NO.11,10,PAGE NO.981-993,896-			
-						ок_ррг_з		946	12/3	_ \	
	14MAF 21MA		_				Sessional I				
					Simulations - Concept, applications in waiting line situations, inventor and network. I	OR_ppt_6		OPERATION	22/3		
	1 223	MAD			Numericals	OR_ppt 6		PREM KUMAR	1001	4	
- 1		MAR- MAR	2	VI	Numericals	OK_ppt_6		GUPTA AND D.S	23/3	/	
					, unicidais	OR_ppt_6		HIRA, CH. NO.11,10,PAGE	24/3		
			1		Numericals	OR ppt 6		NO.981-993,896-	25/3		
					Numericals	OR_ppt_6		946	26/3		
					Numericals	OR_ppt_6				1	
T				11	Games without Saddle Points, 2				2713		
1	9				games	OR_ppt_3	Case study of Kabaddi		29/3	1	
1					Numericals	OR_ppt_3		OPERATION	03/04		
		2014 - 12			Numericals			RESEARCH BY PREM KUMAR			
		29MAR- 3APR	4		Deminera Britain 282	OR_ppt_3		GUPTA AND D.S	04/04		
					Dominance Principle, mx2 & 2xi games. (No Graphical Method).	OR_ppt_3		HIRA, CH. NO.13,PAGE	05/04		
					Numericals	OR_ppt_3		NO.1112-1154	, , , , , , , , , , , , , , , , , , , ,	rei	
					Numericals				65/04		
						OR_ppt_3			05/04		
					Sequencing Model - Introduct Sequencing Model:	ion, OR_ppt_3	1		06/4		
					NUMERICALS	OR_ppt_3	\$ a.v.	OPERATION RESEARCH BY	0714		
	10	5APR -	3		n job two machines problem,	OR_ppt_3	The state of	PREM KUMAR	814		
		10APR			NUMERICALS	OR_ppt_3	260	GUPTA AND D.S HIRA, CH.	914		
					n job 3 machines problem, 2 job machine problem	NAME OF THE PARTY		NO.13,PAGE NO.1112-y154		marking a resource of the second	
					NUMERICALS	OR_ppt_3		17	10/4		
	Faci	ulty in Ch	arge	10	Las	>		HOD	11019		
				M	regles of	COSIGNETTE STATE OF S		Dr. Milled Khanapurkar Principal sahash Karis Stera Shankan Sanshira umain Cirilgan Especienti for Imban singsi Karpuratifiti.			
					Hinge Nogper-4			Dr. Millind Khanapurkar Principal Jaharshi Karve Stree Shikshan Sanetha's Janniles College of Engineering for Women			

				Inventory Model: Inventory control costs,	OR_ppt_3		12/4
	12APR -		1	NUMERICALS	OR_ppt_3	OPERATION RESEARCH BY PREM KUMAR	13/24
1	17APR	3		analysis of inventory models with deterministic demand (Single Product),	OR_ppt_3	GUPTA AND D.S HIRA, CH.	14)4
				NUMERICALS	OR_ppt_3	NO.9,PAGE NO.716-895	15/4
			1	ABC analysis. Tutorial	OR_ppt_3		
				NUMERICALS	OR_ppt_3		16/4
			111	Game Theory- Introduction, Minimax and Maximin,	OR_ppt_3		174
				NUMERICALS	OR_ppt_3		19/4
12	19APR - 24APR	3		NUMERICALS	OR_ppt_3		21/4
				Criteria and Optimal Strategy,	OR_ppt_3	OPPENDED OF	22/4
				NUMERICALS	OR_ppt_3	OPERATION RESEARCH BY	
				NUMERICALS	OR_ppt_3	PREM KUMAR GUPTA AND	
			III	Solution of games with Saddle Points Tutoria	OR_ppt_3	D.S HIRA, CH. NO.9,PAGE	24/4
				NUMERICALS	OR_ppt_3	NO.716-895	
13	26APR - 30	3		NUMERICALS	OR_ppt_3		274
	AFK			NUMERICALS	OR_ppt_3		29/4
				NUMERICALS	OR_ppt_3		30 4
	16					Sessional II	

Sub. Teacher

Hitell

Ac

Faculty in Charge

nul



Dr. Milind Khanapurkar Principal Jaharah Karre Stree Shikahan Sanetha's Junnies Collego of Expineering for Women



Maharshi Karve Stree Shikshan Samstha's
CUMMINS COLLEGE - ENGINEERING FOR WOM

Date: 29/12 / 2021

	Da
LESSON & TEACHING PLAN	

						Department of	Mechanical E	ngg.		a constant			
Facu	lty Name: Dr	r. Shallesh	Khekale					Sub: Advance	Manufacturing Tech	nique BEME803T1	Year:	2021-22	Sem:- VIII
WEE		No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
					ME803AMTW01D01022 1L01	AMT_CS_p pt_01	AMT_CS_V 01				1	_	
					ME803AMTW01D02022 1L02						1		
	10.3an -15	5 6	1	Non Traditional Machining process Need, classification & historical	ME803AMTW01D03022 1L03		AMT_CS_V 02		Manufacturing Science, Ghosh				
3.	Jen		1	development. Economics of Non- Traditional process for machining.	ME803AMTW01D04022 1L04				& Malik, East West Press. Pg. 202-258		19/1	/	
	1	1	1	1	ME803AMTW01D05022 1L05				202-236)		
		1			ME803AMTW01D06022 1L06								
					ME803AMTW02D08022 1L07	AMT_CS_p pt 02		Use of emery			7		
					ME803AMTW02D09022 1L08		AMT_CS_V_	paper to understand			1		
	17 Jan -21			Application of Non-Traditional	ME803AMTW02D10022		AMT_CS_V_ 04	grinding operation	Manufacturing Science, Ghosh			12	
2	Jan	5	1	process for machining. High speed grinding. Hot & Cold machining.	ME803AMTW02D11022				& Malik, East West Press. Pg. 202-258		25()		Y
				No.	ME803AMTW02D12022				202-236				1
					ME803AMTW02D13022								1
					ME803AMTW03D15022	AMT_CS_p pt 03					1		
1					ME803AMTW03D16022		AMT_CS_V 05					1	
1				Abrasive Jet Machining, Mechanics of AJM-process parameters &					Manufacturing Science, Ghosh		1		
	24 Jun -29 Jun	6	П	No. A Principle Residence of Contraction of the	ME803AMTW03D18022		AMT_CS_V		& Malik, East West		1/8/		
					ME803AMTW03D19022				Press.Pg.279- 310			1	1
1					MEBOJAMTWO/D20022						1		

aculty in Charge





4	eek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
					ME803AMTW04D22022 1L19	AMT_CS_p pt_04							
					ME803AMTW04D23022 1L20		AMT_CS_V_0	Student					
4	31 Jan -5 Feb	6	п	Ultrasonic Machining process, mechanics, process parameters &	ME803AMTW04D24022 1L21			activity to understant	Manufacturing Science, Ghosh			1	
	100			control, effect of USM on materials. Water Jet Machining.	ME803AMTW04D25022 1L22			impact of water jet	& Malik, East West Press. Pg. 312-329				$\overline{}$
	1000				ME803AMTW04D26022 1L23				312-329				1
					ME803AMTW04D27022 1L24								
				7/47	ME803AMTW05D01032 1L25	AMT_CS_p pt_05)	/	
					ME803AMTW05D02032 1L26		AMT_CS_V _08						
5	7Feb - 11	6	III	Electro-Chemical Machining Electrochemistry of ECM.	ME803AMTW05D03032 1L27		AMT_CS_V _09		Manufacturing Science, Ghosh		227		
	Feb			Electrochemical Grinding	ME803AMTW05D04032 1L28				& Malik, East West Press.Pg.379-410				
					ME803AMTW05D05032 1L29				rress.rg.379- 410				
					ME803AMTW05D06032 1L30								
					ME803AMTW06D08032 1L31	AMT_CS_p pt_06					7		
					ME803AMTW06D09032 IL32		AMT_CS_V _10						
6	14Feb-	6	ш	Electric Discharge Machining, Electron	ME803AMTW06D10032 1L33				Manufacturing Science, Ghosh & Malik, East		8/2		rou
0	18Feb		III	Beam, Laser Beam and Plasma Arc Machining.	ME803AMTW06D11032 1L34		AMT_CS_V		West Press.pg.		101		
					ME803AMTW06D12032 1L35				377.10)		
					ME803AMTW06D13032 1L36						132 130	U	
7	21 Feb - 25 Feb				Pag = 200		Se	essional 1					





-	ek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
					ME803AMTW08D22032 1L36	AMT_CS_p pt 07	-				1		
					ME803AMTW08D23032 1L37		AMT_CS_V_1		T .1			-	-
8	28 Feb - 5 Mar	6	IV	such as Inert Gas (MIG & TIG)	ME803AMTW08D24032 1L38		AMT_CS_V_1		Textbook of Production Engineering,		()		+
				Electric Resistance welding, Oxyacetylene pressure welding,	ME803AMTW08D25032 1L39				P.C. Sharma, S. Chand & Co.		18 2		/
	190				ME803AMTW08D26032 1L40				Pg.310-356				
					ME803AMTW08D27032 1L41		Tax III				V		
					ME803AMTW09D29032 1L42	AMT_CS_p					5		
				Lana Dana di Esta di	ME803AMTW09D30032 1L43						1		
9	7 Mar -11 Mar	6	IV	Laser Beam welding, Electron Beam welding, Plasma Arc welding, Atomic Hydrogen welding	ME803AMTW09D31032 1L44		AMT_CS_V 14		Textbook of Production Engineering,		7 18/2		
	Mar			& Submerged Arc welding, Stud welding.	ME803AMTW09D01042 1L45				P.C. Sharma, S. Chand & Co.				
					ME803AMTW09D02042 1L46				Pg.358-385)		
					ME803AMTW09D03042 1L47								
					ME803AMTW11D12042 1L48	AMT_CS_p pt_09							
					ME803AMTW11D13042 1L49				Textbook of)	- X	L
11	14 Mar -19	6	v	Solid Phase welding techniques such as Ultrasonic welding, Friction	ME803AMTW11D14042 1L50		AMT_CS_V 15		Production Engineering, P.C.		11	4	
	Mar			welding.	ME803AMTW11D15042 1L51				Sharma, S. Chand & Co. Pg. 392-		(113)		
					ME803AMTW11D16042 IL52				427)		
1					ME803AMTW11D17042 1L53								_

() run





1	eek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for uiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
					ME803AMTW12D19042 1L54	AMT_CS_ppt_	AMT_CS_V_1			1			
				Economics and application of Non- Traditional processes for	ME803AMTW12D20042 1L55								-
12	21 Mar -25 Mar	6	V &VI	Welding Advance casting pro-	ME803AMTW12D21042 1L56				Textbook of Production				
				casting, squeeze casting, vacuum mould	ME803AMTW12D22042 1L57				Engineering, P.C Sharma, S. Chand	18/3			
				casting, evaporative pattern casting	ME803AMTW12D23042 1L58				& Co. Pg. 430-497)			_
					ME803AMTW12D24042 1L59								
					ME803AMTW13D26042 1L60	AMT_CS_p		Student		7		-	
					ME803AMTW13D27042 1L61		AMT_CS_V	anticity of					h
13	28 March - 31 March	6	VI	Ceramic shell casting, centrifugal	ME803AMTW13D28042 1L62		17	wax to understang	Advanced Machining			- /	
	J. March			casting slush casting	ME803AMTW13D29042 1L63			centrifugal casting	Processes, V.K. Jain, Allied Publishers.	(15/3		$ \forall$	2
					ME803AMTW13D30042 1L64				Pg.254 - 276)			-
	4 April-9		40.0		ME803AMTW13D01052 1L65							1	
	April April						Sessional	II					

Sub. Teacher

Ac

Faculty in Charge







Maharshi parve Stree Shikshan Samstin's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/MECH / 21-22

Date: 31/ 12 / 2021

LESSON & TEACHING PLAN for Industrial Management Department of Mechanical Department Faculty Name: Dr. Mahesh Shukla Sem:-Year: 2021-22 Sub: Industrial Management VIII Assignm WEE Uni No. Activity/ Virtual Refrence Book -Compl Video link for ent/Tut AC's K Week Of **Exact Topic Name & Subtopic** PPt ID lab link Gate Chapter no. Page etion quiz or poll orial sign No. Lect. No. Teaching Aid no, edition. No Date 16 Jan - 85 SKILL DEVELOPMENT WEEK Jan Principles of management, Concepts of management 17/01/20 development of scientific management 18/01 17 Jan - 22 principles of Fredric W. Taylor, principles of Jan Henry Fayol & functions such as planning, 19/01 INDUSTRIAL organizing MANANGEMENT IM Unit 1 principles of Fredric W. Taylor, principles of BY I.K.CHOPDE & 1_ppt_01 20/01 Henry Fayol & functions such as planning, A.M.SHEIKH Page organizing No. 1 to 110 staffing, leading, 21/21 motivating, communicating, controlling decision making, span of control, 2461 Faculty in Charge





VEE K No.	Week	No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic	Gate	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Compl etion Date	Assignm ent/Tut orial Date	AC's sign
7	21 Feb - 26 Feb	4		advertising, market segmentation.									
			4	Financial management, Sources of finance,,finance									
				types of capita, elements of costs	4_	_ppt_01							
8	28 Feb - 05 Mar						Sessiona	ıl1					
				allocation of indirect expenses									
9	07 Mar -	4		cost costrol basels and the					INDUSTRIAL				
9	12 Mar		4	cost control, break even analysis		M_Unit			MANANGEMENT BY I.K.CHOPDE &				
				budgets & budgetary control, equipment replacement policy, make or	4_	_ppt_01			A.M.SHEIKH Page				
				buy analysis,					No. 204 to 245				
		4		balance sheet, ratio analysis, profit & loss statement.									
	14 Mar- 19			Plant management, Plant location,									
10	Mar	4						-					
		4		plant layout, Material handling objectives									
				principles & selection of material handling					INDUSTRIAL				
				equipments types		1_Unit ppt_01			MANANGEMENT BY I.K.CHOPDE &				
				Industrial safety, causes & cost of accidents		ppt_01 F			A.M.SHEIKH Page				
	21 May 26			accident biorhythms, safety programs, .					No. 372 to 385				
11	21 Mar- 26 Mar	4	1	job, batch & process type of production			1516						
ac	ulty in Cl	harg	e	philosphy of six sigma, approaches to				HOD					





WEE K No.	Week	Of	Uni t No.	Exact Topic Name & Subtopic Gate	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	compi	Assignm ent/Tut orial Date	
12	28 Mar- 02 april	4	6	Recent treads in production and operation management like Lean Manufacturing, Lean Manufacturing Retail Management World Class Manufacturing, Retail Management Supply Chain Management,	IM_Uni 6_ppt_0	8		INDUSTRIAL MANANGEMENT BY I.K.CHOPDE & A.M.SHEIKH Page				
13	04 Apr- 09 April	4		Value Engineering, Re-engineering, Reverse Engineering, Business Process Re-engineering Quality Circle, Just in Time (JIT), Kaizen, Poka Yoke.				No. 330 to 385				

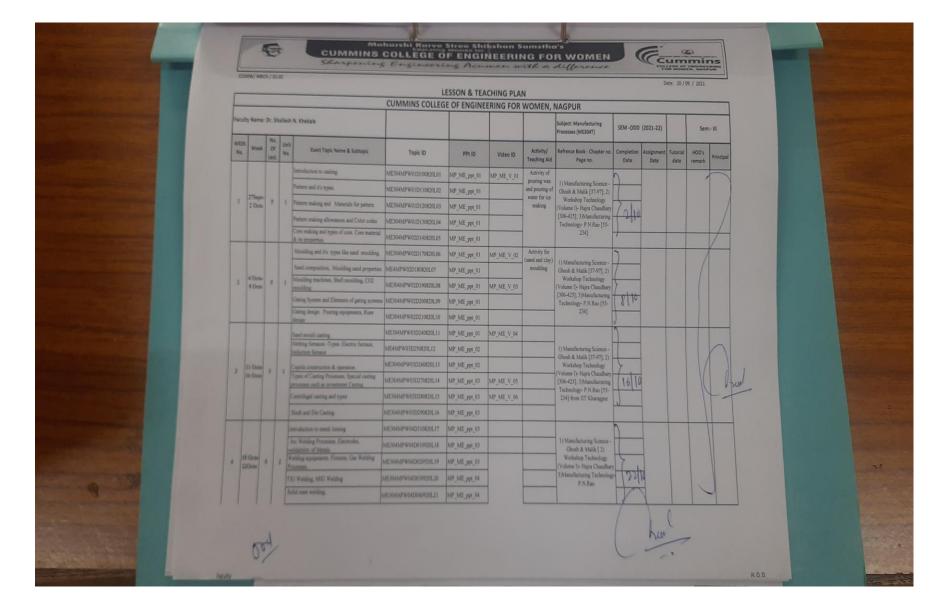
Sub. Teacher

Ac

Faculty in Charge













Maharshi Karve Stree Shikshan Samsiha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acasses with a difference



CCDEW/ MECH / 21-32

LESSON & TEACHING PLAN

Date: 20 / 09 / 2021

						CUMMINS COLLEG	GE OF ENGINE	ERING FOR	WOMEN,	NAGPUR					
Facu	ulty Na			illesh	N. Khekale					Subject: Manufacturing Processes (ME304T)	SEM -ODD	(2021-22)		Sem	1:- 111
No.	337	rek	No. Of ect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Teaching Aid	Refrence Book - Chapter no.	Completion	Assignment	Tutorial	HOD's	Principa
					Thermit welding	ME304MPW05D070920L23	MP_ME_ppt_04	MP_ME_V_07		Page no.	Date	Date	date	remark	Princip
					Electroslag welding	ME304MPW05D080920L24	MP_ME_ppt_04	MP_ME V 08			}		111/2		
5	25 Oc 30 Oc		5		Resistance Welding.	ME304MPW05D090920L25	MP_ME_ppt_04			Manufacturing Science - Ghosh & Malik 2) Workshop	(
			7	- 1	Plasma Arc welding and Electron Laser Beam welding.	ME304MPW05D100920126	MP_ME_ppt_04			Technology (Volume I)- Hajra Chaudhary3)Textbook	7				
		1	1		Weld: Inspection, Defects in various joints and their remedies. Joint through Adhesive - classification of	ME304MPW05D110920L27	MP_ME_ppt_04			of Production Engineering - P.C. Sharma,	30/10				
-	SNov	-	1	2	adhesive, types of adhesive, applications	ME304MPW05D120920L28	MP_ME_ppt_04				}				
-	12No	PK	1	-	LANGE BOOK OF THE REAL PROPERTY.	Sessional - I			1						
			1	1	Introduction to Forming Process for metals	ME304MPW06D140920L28	MP_ME_ppt_05	MP_ME_V_09	Analysis of forming		1				
	15Nev		1		Mechanics of forming process,	ME304MPW06D150920L29	MP_ME_ppt_05	MP_ME_V_10	processes used	Production Technology -R. K. Jain 2) Production Engg	1				
	20 No			-	olling, Forging, Extrusion, Drawing.	ME304MPW06D160920L30	MP_ME_ppt_05	MP_ME_V_11		P.C.Sharma 3)Non- Conventional Manufacturing	>	100		M	
-1			1	2	etermination of Rolling pressure and roll necrification force, drive force and torque,	ME304MPW06D180920L32	MP_ME_ppt_05	MP_ME_V_12	Activity to understand	Processes, H.S. Shan, 4) Soft notes from IIT Kharagpur	2011				1
1		-	1	Di	rawing and it's types	ME304MPW06D190920L33	MP_ME_ppt_05		extrusion	notes from 111 Knaragpur				1	rul
1						ME304MPW08D280920L34	MP_ME_ppt_05				1			-	
1			1	De	ntermination of Rolling pressure and roll scification force, drive force and torque,	ME304MPW08D290920L35	MP_ME_ppt_05			Manufacturing Science - Ghosh & Malik 2) Workshop	1				
	2Nov-	5	4	Dra	twing and it's types	ME304MPW08D300920L36	MP_ME_ppt_05			Technology (Volume I)- Hajra Chaudhary3)Textbook	26 11				1
1	1			Intr	oduction to Sheet metal working	ME304MPW08D011020L37	MP_ME_ppt_05			of Production Engineering - P.C. Sharma, 4) Soft notes	126/11				
1	1			Type	es of sheet metal working processes	4E304MPW08D031020L38	MP_ME_ppt_06			from IIT Kharagpur		1	10		

Sey

Faculty







Maharshi Karvo Strao Shikshan Samsiha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/ MECH / 21-22

Date: 20 / 09 / 2021

culty	Name:	Dr. Sha	illesh I	N. Khekale	CUMMINS COLLEGE				Subject: Manufacturing Processes (ME304T)	SEM -ODD	(2021-22)		Sem:	- 111
/EEK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no.	Completion Date	Assignment Date	Tutorial date	HOD's remark	Principal
	8.19			Classification and types of presses	ME304MPW09D051020L39	MP_ME_ppt_06			1) Manufacturing Science -	1		0		
				Press terminology	ME304MPW09D061020L40	MP_ME_ppt_06			Ghosh & Malik 2) Workshop Technology (Volume 1)-					
9	29Nov- 4 Dec	5	5	Force analysis in press working	ME304MPW09D071020L41	MP_ME_ppt_06			Hajra Chaudhary3)Textbook of Production Engineering	2.1.			/	
				Die cutting operation, types of dies,	ME304MPW09D081020L42	MP_ME_ppt_06			P.C. Sharma, 4) Soft notes from IIT Kharagpur	14/12			/	
	1 200		1 3	Die and punch allowance	ME304MPW09D091020L43	MP_ME_ppt_06			пошти услаговри					
				Introduction to shaping operations	ME304MPW10D121020L45	MP_ME_ppt_07)				
	1			Introduction to bending, forming	ME304MPW10D131020L46	MP_ME_ppt_07								
	6 Dec			Introduction to drawing operations.	ME304MPW10D141020L47	MP_ME_ppt_07			1)Textbook of Production Engineering - P.C. Sharma,	11/12				
10	11 Dec		5	Types of drawing operations	ME4MPW10D151020L48	MP_ME_ppt_07			2) Soft notes from IIT Kharagpur	1111-				
				Introduction to Plastics, Properties of plastics	ME304MPW10D161020L49	MP_ME_ppt_08							h	
				Types of Plasics	ME4MPW10D171020L50	MP_ME_ppt_08						1		1
				Applications of plasics	ME4MPW11D191020L50	MP_ME_ppt_08						1 (1	1 /re	als
				Introduction of Forming & Shaping of plastics	ME304MPW11D201020L51	MP_ME_ppt_08			The state of the s	-		1	- 4	-
				Extrusion, injection moulding	ME304MPW11D211020L52	MP_ME_ppt_08			1)Textbook of Production Engineering - P.C. Sharma,	-				
11	13 Dec. 18 Dec	1 5	5	Wire drawing	ME304MPW11D221020L53	MP_ME_ppt_08			2) Soft notes from IIT Kharagpur	129r	7			
					ME304MPW11D231020L54	MP_ME_ppt_08							V	
				Compression moulding Transfer moulding	ME304MPW11D241020L55	MP_ME_ppt_08				1			1	-
	20Dec-			Embossing		MP_ME_ppt_08				21/1	2		4	-
	21 Dec	2	5	Calendaring		MP_ME_ppt_08				1				
22D	ec to 24 l	Dec 20	21	Internal Pracetical / Final Submission										
	c. to 1 J			NEW TOTAL STREET		Sessiona	1-11	MAKE SA				1		

56h)





K D.	Week	No. O		Unit No.	1	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Gate/TCRT	Completion Date	Assignment/Tu torial Date	AC's sign					
+		+	+		P	roblem on eccentric loaded rivetted joints	DME_ME_p pt_13	DME_ME_ V_13		18	ħ				_					
				1	1	Problem on eccentric loaded rivetted joints.	DME_ME_p pt_14	V_14							1 400					
	13 Sep	18			1	Design of bolted Joints Design procedure	DME_ME_p pt_15	V_15		Machine Design					10					
3	Sep		6	1.	1	problem on bolted joint	pt_16	DME_ME_ V_16		By Khurmi Gupta ch.4.pg.8-										
				2	1	problem on bolted joint	pt 17	DME_ME_ V_17 DME_ME_		17)_					
1				1		problem on eccentric loaded bolted jo	pt_18	V_18												
H	+	+		+		Design of welded joints under axial and eccentric loading condition.	pt_19	DME_ME_ V_19	San topus of	Machine Design					7					
1		1				Problem on welded joint	pt 20	p DME_ME_ V_20	weld	By Khurmi Gupta ch.4.pg.8-				B(10						
1		- 1		1		Problem on welded joint	pt 21	p DME_ME_ V_21	***************************************	17										
1		Sept-24 Sept	6		2	Problem on axial and eccentric load welded joint	ded DME_ME_ pt_22	1 100	17027155700						1					
							-	-	-	-	Design of cylinder and pressure vessels: Types of pressure vessel.	pt 23	p DME_ME V_23	praccura						12
						stresses induced in pressure vessel lame's, clavarino's and bernie's	pt 24	DME_ME V_24		4					10					
+	-	_		+		Problem on Pressure vessel.	pt 25	_p DME_ME V_25												
						Problem on Pressure vessel.	pt 26	DME_ME V_26		Machine Design By Khurmi Gupta										
						Problem on Pressure vessel.	pt_27	DME_ME V_27		ch.7.pg.224-260				22110						
	5 2	7 Sept - 1 Oct	!	5	2	Problem on Pressure vessel.	pt 28	_p DME_ME V_28							/					
						Problem on Pressure vessel.	pt 29	DME_ME V_29					-							
						Problem on Pressure vessel.	DME_ME pt_30	DME_ME V_30	E_											
	-	Oct - 9		+	_	Problem on Pressure vessei.	pt_30	V_30												









EEK lo.	Week	No. Of Lect.	Unit No.		Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Gate/TCRT	Completion Date	Assignment/Tu torial Date	AC's sign
1					ign of Shaft for - power transmitting, ret distribution under static and fatigue eria,	DME_ME_p pt_31	DME_ME_ V_31	discuss on types of shaft where it use					- 10	_
			1		Problem on Shaft.	DME_ME_p pt_32	DME_ME_ V_32						216	_
	11 Oct - 16	5	3		Problem on Shaft.	DME_ME_p pt_33	V_33		Machine Design By Khurmi					
6	Oct	,	'		Problem on Shaft.	DME_ME_p pt_34	V_34		Gupta ch.13.pg.470-508			-		1
					Problem on Shaft.	DME_ME_p pt_35	V_35							-
					Problem on Shaft.	DME_ME_p pt_36 DME_ME_p	V_36							1
					Problem on Shaft.	pt 37 DME_ME_p	V 37		Machine Design					
	1			L	Problem on Shaft.	pt 38 DME_ME_p	V 38		By Khurmi Gupta					A
	18 Oct -	,,			Design of keys, ASME codes for haft.	pt 39	V 39		ch.23.pg.820-884					170
8	Oct	5	1 3	3 8	Problem on Key	DME_ME_p pt 40	DME_ME_ V 40							10
				E h	Design of springs: spring material, nelical compression, tension springs Problem on Helical compression	DME_ME_p pt 41 DME_ME_p	DME_ME_ V 41 DME_ME_							
				_	spring	pt 42 DME_ME_p	V 42		1 h					
					Problem on Helical compression spring	pt_43	V_43							
					Problem on Helical compression spring	DME_ME_p pt_44	V_44		Machine Design By Khurmi				31(1)	+
	25 Oct - :			. [Problem on Helical compression spring	DME_ME_p pt_45	V_45		Gupta ch.19.pg.620-685				211	+
9	Oct	5	3	,	Design and problem on Leaf spring	DME_ME_p pt_46	V_46							A
					Problem on Leaf spring	DME_ME_p pt_47	V_47							100
				T	Problem on Leaf spring	DME_ME_p pt_48	V_48							-
	+	1	\top		esign of screw jack.Problems on crew jack.	DME_ME_p pt_49 DME_ME_p	V 49					-		
					Problems on screw jack.	DME_ME_p pt_50 DME_ME_p	V 50		Machine Design					
10	8 Nov - 12	6	4	L	Problems on screw jack.	pt_51 DME_ME_p	DME_ME_		By Khurmi Gupta					
10	Nov	1			Problems on screw jack.	pt_52 DME_ME_p	V_52		ch.17.pg.624-676					
					Problems on screw jack.	pt_53 DME_ME_p	V 53						-	
		1			Problems on screw jack.	DME_ME_p pt_54	V 54							









EEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Gate/TCRT	Completion Date	Assignment/Tu torial Date	AC's sign
				Design of clutches and Problem on Clutches		V 55							1
				Problem on Clutches	DME_ME_p pt 56	V 56		Machine Design					-
	15 Nev - 20			Problem on Clutches	DME_ME_p pt 57	V 57		By Khurmi					1
11	Nev	5	4	Problem on Clutches	DME_ME_p pt 58	V 58		Gupta ch.24,25.pg.885-					
				Problem on Clutches	DME_ME_p pt 59	DME_ME_ V 59		961					an
				Problem on Clutches.	DME_ME_p pt_60	DME_ME_ V_60							(300)
				Design of Brakes and Problem on Brakes	DME_ME_p pt_61	DME_ME_ V_61)
				Problem on Brakes.	DME_ME_p pt_62	DME_ME_ V_62							an
				Problem on Brakes.	DME_ME_p pt_63	DME_ME_ V_63		Machine Design By Khurmi Gupta					10
12		6	4	Problem on Brakes	DME_ME_p pt_64	DME_ME_ V_64		ch.24,25.pg.885- 961					_
				Problem on Brakes.	DME_ME_p pt_65	DME_ME_ V_65							/
				Problem on Brakes.	DME_ME_p pt_66	DME_ME_ V_66							

Sub. Teacher

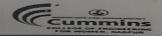
Hingna, Hogper 441111

Dr. Millind Khanapurkar Principal Maharsh Karva Stree Shaxsan Sanetha's Sunninc College of Engineering for Worken

900



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Startening Engineering Acamen with a difference



CCOEW/Mech/ 21-22

Date: 23 / 8 / 2021

		- 9 6						G PLAN for MMM echanical Engg.					
Facult	ty Name: Pro	of. Vikram	Dandel	car			Sub: MMM	echanical Engg.			Year:	2021-22	Sem:- 5
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	GATE/TCRT Date	Completion Date	Assignment/Tu torial Date	AC's sign
					MMM_ME_ ppt_01	MMM_ME_ V_01			Measurem vid	æ	23/8		
				Purpose, structure and elements of	MMM_ME_ ppt_02	V_02	Available instrument show and		-4/	24/8/21	24/8		
	23 Aug - 28			measuring system. Static	Charles and Charle	MMM_ME_ V_03	explain how to calibrate	Mechanical Measurement &	youtube		25/8		
1	Aug	6	1	system, elements including systematic, statistical characteristics, generalized	MMM_ME_ ppt_04	MMM_ME_ V_04		Control By Dr. D.S. Kumar Page no 1- 30	n	28/8/21	27/8		
				model of system elements and	MMM_ME_ ppt_05	MMM_ME_ V_05					31/8		
						MMM_ME_ V_06							
						MMM_ME_ V_07			video on calibration		1/9		h
				canoration. Error measurement, error	MMM_ME_ ppt_08	MMM_ME_ V_08		Madantal	Error meesin		319		
2	30 Aug- 4 Sep	6	1	characteristics of measurement	MMM_ME_ ppt_09	MMM_ME_ V_09		Mechanical Measurement & Control By Dr. D.S. Kumar Page no 33-	Types of soon	n youtube	2419	419	1
					MMM_ME_ ppt_10	MMM_ME_ V_10		149	Problem via	100 100 100 100 100 100 100 100 100 100			
	1300		1		1.1	V_11					149		
		199				MMM_ME_ V 12	10-10-10						

Faculty in Charge

Hop





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	GATE/TCRT Date	Completion Date	Assignment/Tu torial Date	AC's sign
					MMM_ME_ ppt_13	MMM_ME_ V_13					6/9		
					MMM_ME_ ppt_14	MMM_ME_ V_14	Showing available			7/9/2021	719		
3	6 Sep - 10	6	2	Classification, Principle, Sensing elements, Signal conditioning elements, Construction, Range and	MMM_ME_ ppt_15	MMM_ME_ V_15	Pressure Measuring instruments	Mechanical Measurement & Control By Dr. D.S.			38/9		
	Sep			working of instruments for measurement of Linear	MMM_ME_ ppt_16	MMM_ME_ V_16		Kumar		9/9/2021	5		/
					MMM_ME_ ppt_17	MMM_ME_ V_17			Wall States		814		X
						MMM_ME_ V_18					1		
					MMM_ME_ ppt_19	MMM_ME_ V_19			Name of Street, or other		1419		
	13 Sept-18 Sept 6				MMM_ME_ ppt_20	MMM_ME_ V_20				14/9/21	1619		
. 1				and Angular Displacement, Speed, Load, Strain, Force, Torque and		MMM_ME_ V 21	Measuremen	Mechanical Measurement &			1719	1719	
4		6	2	Power. (Analytical treatment not included)	MMM_ME_ ppt_22			Control By Dr. D.S.		16/9/21	1819		
						MMM_ME_ V 23					1		
1					MMM_ME_ ppt_24				The Reality		1)		11/
					MMM_ME_ ppt_25	MMM_ME_ V 25					2019		
	20 Sept-24 Sept				MMM_ME_					21/9/21	2119		1/
				elements, Signal conditioning	MMM_ME_	MMM_ME_ V 27		Mechanical			2219	17/19/19	1
5		5	2	measurement of Pressure, Vacuum,	MMM_ME_	-		Measurement & Control By Dr. D.S. Kumar		23/9/21	23/9		
	9 1			(Analytical treatment not included)	MMM_ME_	MMM_ME_					2		
					MMM_ME_	V_29 MMM_ME_ V_30					(24)9		

hu



WEE No.	Maak	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	GATE/TCRT Date	Completion Date	Assignment/Tu torial Date	AC's sign
					ppt_31	MMM_ME_ V_31					27-19		
	13/3			Standards of Measurement, Line, End and Wavelength standard. Working	MMM_ME_ ppt_32	MMM_ME_ V_32				28/9/21	2819		
6	27 Sept - 1 Oct	6	4	standards, Requirement of interchangeability, Allowance and	MMM_ME_ ppt_33	MMM_ME_ V_33		Mechanical Measurement &			29/1	29/11	
	Oct			Tolerance, Selective assembly. Measurement of Straightness and	MMM_ME_ ppt_34	MMM_ME_ V 34		Control By Dr. D.S. Kumar		30/9/21	3019	2(11	
				Flatness.	MMM_ME_ ppt_35	MMM_ME_ V 35)		A
					MMM_ME_ ppt_36					PARMATA	51710		
7	4 Oct - 9 Oct							Sessional 1			11		
					MMM_ME_ ppt 37	MMM_ME_ V 37					11/10		
					MMM_ME_ ppt 38	MMM_ME_ V 38				12/10/2021	12/10		
8	11 Oct - 16 Oct	6	4	Measurement (Vernier, Angle gauge,	MMM_ME_ ppt 39	V 39		Mechanical Measurement &			13/10		
	Oct				ppt 40	V 40		Control By Dr. D.S. Kumar		14/10/21	16/10		
						V 41					16/10		
-						V 42							
		100			ppt_43	MMM_ME_ V_43					18/10		M
					MMM_ME_ ppt_44	MMM_ME_ V_44				19/10/21	19/10		\Box
	18 Oct - 22			Limits and Fits, Tolerance analysis of	MMM_ME_	MMM_ME_ V_45		Mechanical Measurement &			20/10	20/10	V
	Oct	6	5	gauges.	MMM_ME_			Control By Dr. D.S. Kumar		21/10/21	21/10		
		100			MMM_ME_	MMM_ME_					22/10		
					MMM_ME_ I	V_47 MMM_ME_ V_48					2-10		-

V rail





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	GATE/TCRT Date	Completion Date	Assignment/Tu torial Date	AC's sign
					MMM_ME_ ppt_49	MMM_ME_ V 49					25/10/21	-	
	196				MMM_ME_	MMM_ME_ V 50				26/10/21	26/10		
				Types of fit, Shaft and Hole basis system, Design of Limit	MMM_ME_	MMM_ME_		Mechanical		, ,			
10	25 Oct - 30 Oct	6	5	gauge and Process planning sheet (Numerical treatment is	ppt_51 MMM_ME_	V_51 MMM ME		Measurement & Control By Dr. D.S.			24/10		
				expected).		V_52		Kumar		28/10/21	28/10		/
					ppt_53	V_53					29/10		
			Bris A		MMM_ME_ ppt_54	V 54							1
					MMM_ME_ ppt 55	MMM_ME_ V 55					8/11		1
					MMM_ME_					9/11/2021	9/11		1
				Comparators: Mechanical, Optical,	MMM_ME_	MMM_ME_		Mechanical			10/11		
11	8 Nov - 12 Nov	6	6	Electrical, Electronic, Pneumatic. Study and use of Optical profile	MMM_ME_			Measurement & Control By Dr. D.S.		11/11/2021	10/11		
				projectors,	ppt 58 MMM_ME_	V 58 MMM_ME_		Kumar		11/11/2021		. 1.1	
	1000					V 59		-			12/11	12/11	
					MMM_ME_ ppt_60	MMM_ME_ V_60					Last Vers		
					MMM_ME_ ppt_61	MMM_ME_ V_61					15/11		1
					MMM_ME_	MMM_ME_				16/11/21			
				Tool maker's microscope and	ppt_62 MMM_ME_	V_62 MMM MF				10/11/21	16/11		-
12	15 Nov - 20	6	6	Autocollimator.	ppt_63	V_63		Mechanical Measurement &			17/11		
	Nov			Measurement of Screw thread and Gear tooth.	MMM_ME_ ppt_64	MMM_ME_ V 64		Control By Dr. D.S. Kumar		18/11/21	18/11	1 13 1	
		1			MMM_ME_	MMM_ME_			7 7 7 7 7 7 7 7		19/11		
	1000				ppt_65 MMM_ME_	V_65 MMM ME					20/11		
	10.0					V_66		A CONTRACTOR			120 (11		
13	1 Dec- 8 Dec							Sessional II					/









Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acamen with a difference



CCOEW/MECH / 20-21

Date: 20/ 8 / 2021

						PLAN for Industrial Econon Department of Mechani			Street, Street			
acui	lty Name: Ac	ditya K	awac	laskar				Sub: Industrial Engineer	ring	Year:	2021-22	Sem:- VI
VEE K No.	Week	No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic	Gate	PPt ID	Video ID	Activity/ Virtual lab link Page Teaching Aid no,editio	no. link for quiz	Completion Date	Assignment/Tu torial Date	AC's sign
1	16Aug - 21Aug					SKILL DEVE	LOPME	NT WEEK				
				Introduction of the subject		https://classroom.google .com/c/NDEzOTIONDc1M jk5/m/NDEzOTIONDc1Mz		tpm-ssjz-pub	https://classro om.google.co m/w/NDEzOTI	2/9/2021	https://classroo m.google.com/w	
2	01 sept-4	5		Economics		https://classroom.google .com/c/NDEzOTIONDc1M jk5/m/NDEzOTIONDc1Mz cv/details		tpm-ssjz-pub	https://classro om.google.co m/w/NDEzOTI	2/9/2021	/NDEzOTIONDc1 https://classroo m.google.com/w /NDEzOTIONDc1	
-	sept'2021	3		Classification of economics & Basic concept of economics, law of demand		https://classroom.google .com/c/NDEzOTIONDc1M jk5/m/NDEzOTIONDc1Mz		tpm-ssjz-pub	ONDc1Mik5/tc https://classro om.google.co	3/9/2021	MikS/tc/NDEzOT https://classroo m.google.com/w	
				Demand analysis: Definition, Types Determinants of demand		https://classroom.google .com/c/NDEzOTIONDc1M https://classroom.google		tpm-ssjz-pub	m/w/NDEzOTI https://classro om.google.co	8/9/2021	/NDEzOTIONDc1 https://classroo m.google.com/w	
				Determinants of demand		.com/c/NDEzOTIONDc1M		tpm-ssjz-pub	https://classro om.google.co	9/9/2021	https://classroo m.google.com/w	
				Methods of demand forecasting		https://classroom.google					bar III	
			1	Methods of demand forecasting Elasticity of deamnd: Definition and		.com/c/NDEzOTIONDc1M nttps://ciassroom.google		tpm-ssjz-pub	https://classro om.google.co nttps://ciassro	14/9	m.google.com/w nttps://classroo	
			1			.com/c/NDEzOTIONDc1M nttps://ciassroom.google .com/c/NDEzOTIONDc1M https://classroom.google		tpm-ssjz-pub	https://classro om.google.co nttps://classro om.google.co	16/9	m.google.com/w nttps://ciassroo m.google.com/w	
3	06sept to 11	6	1	Elasticity of deamnd: Definition and Types The law of diminishing marginal utility		.com/c/NDEzOTIONDc1M nttps://classroom.google .com/c/NDEzOTIONDc1M https://classroom.google .com/c/NDEzOTIONDc1M			https://classro om.google.co nttps://classro om.google.co m./u/bins-nort https://classro om.google.co	16/9	m.google.com/w nttps://ciassroo m.google.com/w /MDE-OTIONIDG1 https://classroo m.google.com/w	
3	06sept to 11 sept'2021	6	1	Elasticity of deamnd: Definition and Types The law of diminishing marginal		.com/c/NDEzOTIONDc1M nttps://ciassroom.google .com/c/NDEzOTIONDc1M https://classroom.google		tpm-ssjz-pub	https://classro om.google.co nttps://classro om.google.co https://classro	16/9	m.google.com/w nttps://ciassroo m.google.com/w /hitps://ciassroo m.google.com/w /NDE2OTIONDC1 https://ciassroo	





	EE K lo.	Week	Of	Uni t No.		Exact Topic Name & Subtopic	Gate	PPtID	Video ID	Activity, Virtual lab link Teaching Aid	Refrence Book Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
						Revision		nttps://ciassroom.google .com/c/NDEzOTIONDc1M ik5/m/NDEzOTIONDc1Mz		tpm-ssjz-pub		om.google.co m/w/NDEzOTI	10-Nov	m.google.com/w /NDEzOTIONDc1	
					Pro	oduction: concept and definition		https://classroom.google .com/c/NDEzOTIONDc1M https://classroom.google		tpm-ssjz-pub		https://classro	14/10	https://classroo m.google.com/w	
						Forecasting and concepts		nttps://classroom.google .com/c/NDEzOTIONDc1M ikS/m/NDEzOTIONDc1Mz		tpm-ssjz-pub		om.google.co https://classro om.google.co m/w/NDF2OTI			
	4	6 Sept-10 Sept21	6		Pr	oduction function				tpm-ssjz-pub			13/10	m.google.com/w /NDEzOTIONDc1	
		Billion				Production FUNCTION				tpm-ssjz-pub			13/10	https://classroo	
					Fa	actors of production				tpm-ssjz-pub			13/10	m.google.com/w nttps://classroo m.google.com/w /NIDE+OTIONID-1 nttps://classroo	
						Firm and Industry				tpm-ssjz-pub			13/10	m.google.com/w	
				2	,3	Law of Return				tpm-ssjz-pub			13/10	m.google.com/w	
	5	13 sept to 18sept 202				Cost concepts, Fixed, Variable, Marginal and total cost				tpm-ssjz-pub					
						Cost concepts, Fixed, Variable, Marginal and total cost				tpm-ssjz-put					
						Break even analysis, Depriciation methods and depriciation				tpm-ssjz-pul					
100						Break even analysis, Depriciation methods and depriciation				tpm-ssjz-pul					
						Inflation , its effects, policies				tpm-ssjz-pul	ь				
To the		20 sept	to			deflation, stagflation				tpm-ssjz-pub					
1	6			6		Taxes, Direct and Indirect, Market and Market Structures				tpm-ssjz-pu	ь				
						Perfect Competition, Monopoly, Monopolistic competiton, Oligopoly				tpm-ssjz-pu	ь				
1			1			Perfect Competition, Monopoly, Monopolistic competiton, Oligopoly				tpm-ssjz-pu	ь				
A. T.	F	aculty i	n Ch	arg	9,4	Price determination under Perfect Competition, Monopoly, Monopolistic competiton, Oligopoly				PHOD:sjz-put					





WEE K No.	Week	No Of Lec	2000	Ini t Exact Topic Name & Subtopic lo.	Gate	PPt ID	Video ID	Activity, Virtual lab link Teaching Aid	Refrence Book Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
	27 4 - 1			share market and its terminologies				tpm-ssjz-pub				-	
7	27 sept to 1 st oct' 2021			Concept of creativity, innovation, invention, discovery				tpm-ssjz-pub					
				Methods of development				tpm-ssjz-pub					N- II
				Convergent and divergent thinking, Introduction to IPR									
8	04 Oct- 09Oct'2021						Sessional1						
			1	Patent and its laws				tpm-ssjz-pub					
	11 Oct-16			concept of Entrepreneurship, Entrepreneurship Meaning and Concept									
9	Oct21	4	4,5	Factors affecting entrepreneurship				tpm-ssjz-pub					
			1,0	Motives influecing entrepreneurship				tpm-ssjz-pub					
				Characteristics of entrepreneur	TEREST.			tpm-ssjz-pub					
				Types and functions of entrepreneur				tpm-ssjz-pub					
				Theories of motivation				tpm-ssjz-pub					
				Achievement motivation				tpm-ssjz-pub					
	8 Oct-23 Oct2021	5		Women Entrepreneurship				tpm-ssjz-pub					
				Small Scale Industries: Features and Problems				tpm-ssjz-pub					
				Procedure of set up SSI				tpm-ssjz-pub					
		3	5	Policies governing to SSIs				tpm-ssjz-pub					
	y in Cha		N	clellands Motivation theory				pm-ssjz-pub					





WEE K No.	Week	No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic	Gate	PPt ID	Video ID	Activity, Virtual lab link Teaching Aid	Refrence Book Chapter no. Page no,edition. No	or pon	Completion Date	Assignment/Tu torial Date	AC's sign
11	25Oct- 30Oct 2021	6		Role of ssi				tpm-ssjz-pub					
				Advantages and limitations of SSI				tpm-ssjz-pub					
				Eventuation of concept of Entrepreneurship				tpm-ssjz-pub					
				Characteristic of an Entreprenurship				tpm-ssjz-pub					
				Financial institutions				tpm-ssjz-pub					
	08Nov-			entrepreneurship support system				tpm-ssjz-pub					
12	12Nov 2021	6		Role of consultancy organisations				tpm-ssjz-pub					
				Latest SSI Schemes				tpm-ssjz-pub					
				Market survey				tpm-ssjz-pub					
			6	Project report				tpm-ssjz-pub					
				Project appraisal				tpm-ssjz-pub					
13	15Nov- 20Nov 2021	6		Role to TCO, DIC, SIDC				tpm-ssjz-pub					
				Factors governing to project selection				tpm-ssjz-pub					
				PROJECT				tpm-ssjz-pub					
				SUBMISSION OF PROJECT				tpm-ssjz-pub					
14	22Nov- 30Nov 21						Revision						
	ulty in Ch	argo.		ub. Teacher				HOD			Ac		









Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acamen with a difference



CCOEW/ME/ 20-21

Date 01/08/2021

					Departmen	nt of Mechanical Enginee	ring						
acult	Name: Prof	f. Sushil La	njewar					Sub: Computer Aid	ed Design (CAD)	Sec:	Year :	2021-22	Sem:- VII
WEE (No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video 1D	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tut orial Date	AC's sign
1	16Aug - 21Aug			ONLINE SKILL DEVELOPMENT TRAINING						,			
				Introduction of CAD, Difference between Conventional & CAD design,	ME7CAD7W02D230821L01	CAD_CH1_ppt01		3-4 Groups of students given different parts and create Conventional			23]05		10
				Rastensation techniques frame buffer, N-bit plane buffers, Simple color frame buffer,	ME7CAD7W02D240821L02	CAD_CH1_ppt02		iiith ylabs ac in/List %20of%20experime	CAD/CAM by Ibrahim		24/08		190
2	23 - 27 Aug 21	5	1	Algorithm for the generation of basic geometric entities like line (DDA Algorithm) with Numerical	ME7CAD7W02D250821L03	CAD_CH1_ppt03			Zeid ch 1,pg 14,17. ch.2, pg 27-38, pg. 533 537		25/08		4
				Numerical on DDA Algorithm	ME7CAD7W02D260821L04	CAD_CH1_ppt04					26/08		100
				Numerical on DDA Algorithm	ME7CAD7W02D270821L05	CAD_CH1_ppt05		http://cse18- iiith.vlabs.ac.in/List %20of%20experime			29/08		
				Bresenham's line generation Method with Numerical	ME7CAD7W03D300821L06	CAD_CH1_ppi06		CRT or LCD takean			30/08		
				Numerical on Bresenham's Method	ME7CAD7W03D310821L07	CAD_CH1_ppt07					31108		
3	30 Aug - 4 Sep	5	1	Numerical on Bresenham's Method	ME7CAD7W03D010921L08	CAD_CH1_ppi08		http://cse18-mth.vlab	CAD/CAM by Ibrahim Zeid ch 9 pg 533- 537		01109		1
				Algorithm for the generation of basic geometric entities like circle & ellipse by using parametric & non-parametric	ME7CAD7W03D020921L09	CAD_CH1_ppt09					02/07		190
				Numericals on Circle generation	ME7CAD7W03D030921L10	CAD_CH1_ppt10					03/09		
				Introduction to windowing & clipping (excluding algorithm), Window and Viewport, line clipping & polygon clipping	ME7CAD7W04D060921L10	CAD_CH2_ppt01	(A.A.	elements and group			04/09		
				Introduction to 2D transformation: Translation, Scaling,	ME7CAD7W04D070921L11	CAD_CH2_ppt02					06/09		
				Numericals on Scaling	ME7CAD7W04D080921L12	CAD_CH2_ppt03			CAD/CAM by Ibrahum		Poles		(a)
4	6-10 Sep	5	2	Numericals on Rotation	ME7CAD7W04D090921L13	CAD_CH2_ppt04			Zeid Ch 8 pg 465- 511		05/09		90
				Numericla on Combination of Translation, Scaling, Rotation,	ME7CAD7W04D100921L14	CAD_CH2_ppt05					99/09		
				Numericle on Combination of Translation, Scaling, Rotation,	ME7CAD7W04D130921L15	CAD_CH2_ppt06					14/09		
									•				

Dung

Gor

Academic Coordinator



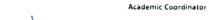


VEE (No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt 1D	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no.edition. No	link for quiz or poli	Completion Date	Assignment/Tut	AC's sign
				Introduction to 2D transformation. Reflection & Shear,	ME7CAD7W05D140921L16	CAD_CH2_ppi07		http://cse18-iiith.vlab		-	15/09		4
				Numericals on Reflection & Shear,	ME7CAD7W05D150921L17	CAD_CH2_ppt08		ntip://csers-iith.viab		1			
5				Numericals on Reflection & Shear,	ME7CAD7W05D160921L18	CAD_CH2_ppt09			CAD/CAM by Ibrahim		1610		
3	13-18 Sept	5	2	3D Transformation; Translation, Scaling, Rotation, Reflection etc.	ME7CAD7W05D170921L19	CAD_CH2_ppt10			Zeid Ch.8. pg 465-				0
				3D Transformation , Translation, Scaling, Rotation, Reflection etc.	ME7CAD7W05D200921L20	CAD_CH2_ppt11			211				- Min
				Numericla on 3D Transformation	ME7CAD7W05D210921L21	CAD_CH2_ppt12							7
				Numericla on 3D Transformation	ME7CAD7W06D220921L22	CAD_CH2_ppt13					7		
				Numericla on 3D Transformation	ME7CAD7W06D230921L23	CAD CH2 ppt14							}
6	20-24 Sept.	5	7.63	Techniques for Geometric Modeling Graphic standards, parametric representation of geometry,	ME7CAD7W06D240921L24	CAD_CH3_ppt01		http://gea.18 iiith ulah	CAD/CAM by Ibrahim		24/09	/	
	21			Bezier curves,	ME7CAD7W06D290921L25	CAD CH3 ppt02		http://cse18-iith.viao	Zeid Ch 4 pg 135-239		1		
				Numericla on Bazier curves	ME7CAD7W06D300921L26	CAD_CH3_ppt03							
				Cubic spline curves, Cubic spline curves, Bspline curves,	ME7CAD7W06D011021L27	CAD CH3 ppt04				-/	1		1
				constructive solid geometry,	ME7CAD7W07D021021L28	CAD CH3 ppt05							1
				Problems on constructive solid geometry,	ME7C AD7W07D031021L29	CAD CH3 ppt06		http://cse18-mth.vlab			(1
7	27 Sept 1			Feature Based modeling, Feature recognition, Design by feature	ME7CAD7W07D041021L30	CAD_CH3_ppt07		nttp://cse18-iith.viao	CAD/CAM by Ibrahim		>		$\overline{}$
1	Oct. 2021	5	3	Wire frame modeling, solid modeling of basic entities like	ME7CAD7W07D170921L31	CAD CH3 ppt08			Zeid Ch.4 pg 135-239		01/10		
				CSG & B- representation technique using set theory.	ME7CAD7W07D180921L32	CAD CH3 ppt09							
				Assembly modeling Representation, mating conditions,	ME7CAD7W07D190921L33	CAD_CH3_ppt10							
8	4-9 Oct.			generation of assembly sequences and importance of	ME7CAD7W09D280921L34	Session	al Ex	xam 1				/	
				precedence diagram.	NIE / CAD/ W09D280921E34	CAD_CH3_ppt10			Introduction to Finite				
9	11-16 Oct.	•	4	Introduction to Finite Element Analysis: Basic concept	ME7CAD7W09D290921L35	CAD_CH4_ppt01			Elements in Engineering By A.D.				1
	2021			One Dimensional Problem: Fundamental concept of finite element method, Plain stress and strain	ME7CAD7W09D300921L36	CAD_CH4_ppt02			Belegundu and T R Chandrupatla Pg. No. 1		(12/10		
				Numericles on 1D Element Plain stress and strain	ME7CAD7W09D011020L37	CAD_CH4_ppt02			43		1		0
				Numericles on 1D Element Plain stress and strain	ME7CAD7W09D031020L38	CAD_CH4_ppi02					1		1
				Finite Element Modeling Potential Energy Approach,	ME7CAD7W10D051020L39	CAD_CH4_ppt02					1		1
				Finite Element Modeling Potential Energy Approach,	ME7C AD7W10D061020L40	CAD_CH4_ppt02			Introduction to Finite				>
10	18 - 22 Oct.			Numericls on ID Element PEA	ME7CAD7W10D071020L41	CAD_CH4_ppt02			Elements in Engineering By A D				
	21	,		Numericle on 1D Element PEA	ME7CAD7W10D081020L42	CAD_CH4_ppi02			Belegundu and T R Chandrupatla Pg. No.		177/10		
				Finite Element Modeling Galerkin Approach,	ME7CAD7W10D091020L43	CAD_CH4_ppt02			45-98		1		1
				Finite Element Modeling Galerkin Approach,	ME7CAD7W10D101020L44	CAD_CH4_ppi02							
				Numericle on 1D Element GA	ME7CAD7W11D121020L45	CAD_CII4_ppt02					,		/

Buf

Faculty in Charge

Mingra, Magper-441118



Dr. Millind Khanapurkar Principal Maharah Karva Stree Shakhan Sanetha'i

VEE No.	Week	No. Of Lect,	Unit No.	Exact Topic Name & Subtopic	Topic 1D	PPt ID	Video ID	Activity/ Virtual Inb link Teaching Aid	Refrence Book - Chapter no. Page no.edition. No	link for quiz or poll	Completion Date	Assignment/Tut orial Date	AC's sign
				Coordinate and Shape function	ME7CAD7W11D131020L46	CAD_CH4_ppt03			Introduction to Finite				1
11	25 - 30 Oct.			Finite Element Equations, Quadratic Shape Function, Temperature Effects, Torsion of a circular shaft	ME7CAD7W11D141020L47	CAD_CH4_ppt02			Elements in Engineering By A D				
11	21	,	4 & 5	Finite Element Equations, Quadratic Shape Function, Temperature Effects, Torsion of a circular shaft.	ME7CAD7W11D151020L48	CAD_CH4_ppt03			Belegundu and T R Chandrupatla Pg. No) a lan		
				Truss & Two Dimensional FEM	ME7CAD7W11D161020L49	CAD_CH5_ppt01			45-98, pg no103-174		30/10		yn
				Plane truss problems,	ME7CAD7W11D171020L50	CAD_CH5_ppt01					1		1
				Plane truss problems,	ME7CAD7W12D191020L51	CAD_CH5_ppt01							
				Plane truss problems,	ME7CAD7W12D201020L52	CAD_CH5_ppt01			Introduction to Finite				1
	8 - 12 Nov.			two dimensional problems using Constant strain triangle	ME7CAD7W12D211020L53	CAD_CH5_ppt02			Elements in Engineering By A D				
12	21	,	5 & 6	Numericals	ME7CAD7W12D221020L54	CAD_CH5_ppt02			Belegundu and T R Chandrupatla Pg. No		12/11		
				Numericals	ME7CAD7W12D231020L55	CAD_CH5_ppt02			45-98, pg no103-174				
				two dimensional problems using Constant strain triangle	ME7CAD7W12D241020L56	CAD_CH6_ppt01							
				Numericals	ME7CAD7W13D261020L57	CAD_CH6_ppt01					2	^	
				Numericals	ME7CAD7W13D271020L58	CAD_CH6_ppt01			Introduction to Finite		1		
	15 - 20			Derivation of shape functions for CST element	ME7CAD7W13D281020L59	CAD_CH6_ppt01			Elements in Engineering By A D				
13	Nov. 21	5	6	Optimization in Design Objectives of optimum design.	ME7CAD7W13D291020L60	CAD_CH6_ppt01			Belegundu and T R Chandrupatla Pg. No.		(0.111		
				adequate and optimum design.	ME7CAD7W13D301020L61	CAD_CH6_ppt01			45-98, pg no103-174		150/11		0
				Johnson's Method of optimum design.	ME7CAD7W13D311020L62	CAD_CH6_ppi01					1		100
				primary design equation,	ME7CAD7W13D311020L63	CAD_CH6_ppt02					1		1
				subsidiary design equations and limit equations	ME7CAD7W13D311020L64	CAD_CH6_ppt03			Introduction to Finite				
	22 - 26	100	1	optimum design with normal and redundant specifications of simple machine elements of tension bar.	ME7CAD7W13D311020L65	CAD_CH6_ppt04		-	Elements in Engineering By A D		1.1.		
14	Nev. 21	5	6	optimum design with normal and redundant specifications of simple machine elements of transmission shaft	ME7CAD7W13D311020L66	CAD_CH6_ppt05			Belegundu and T R Chandrupatia Pg. No.		16/1		
				optimum design with normal and redundant specifications of simple machine elements like, tension bar, transmission shaft	ME7CAD7W13D311020L67	CAD_CH6_ppt06			45-98, pg no103-174				
				optimum design with normal and redundant specifications of simple machine elements of helical spring	ME7CAD7W13D311020L68	CAD_CH6_ppt07			1)		/
15				and the second s	1	Session	al Ex	xam II					

Sub. Teacher

A DID

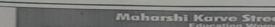
Faculty in Charge



Dr. Millind Khanapurkar
Principal
Maharah Karve Stres Shrikan-Sanetha's
'unnies College of Engineering for Worken
Wood of the College of Engineering for Worken
Wood of the College of Engineering for Worken
Wood of the College of Engineering for Worken
Wood of the College of Engineering for Worken

Market Stress of the College of Engineering for Worken

Market Stress of the College of the Colle



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN
Sharpening Engineering Acumen with a difference



12022-23 (13111

CCOEW/ MECH / 22-23

Date: 04 / 08 / 2022

					LESSON	& TEACHING P	PLAN						
				CUM	MINS COLLEGE OF E	NGINEERING F	OR WOMEN, NAGPUR						
Faculty	Name: Dr	. Shaile	sh N. I	Khekale			10000000	Mechanical Drives	SEM -ODD (2	022-23)		Sem	:- VII
WEEK No.	Week	No. Of Lect.	-	Fyart Tonic Name & Cubtonic	PPt ID	Video ID	Activity/Teaching Aid	Refrence Book - Chapter no. Page no.	Completion Date	Assignme nt Date	Tutorial date	HOD's remark	Principal
				Design of Coupling, Introduction to Coupling, Types of shaft coupling.	DMD_ME_ppt_01	DMD_ME_ V_01)				
	8-12			Design of flange coupling with numerical	DMD_ME_ppt_01			Machine Design By			130	100	16 18
1	Augus	- 4	1	Design of flange coupling with numerical .	DMD_ME_ppt_01			Khurmi Gupta , V.B Rhandari (330 -370)	724/8			-	
				Design of flange coupling with numerical	DMD_ME_ppt_01			Diminduri (550-570)	1		1		
				Design of flexible bush coupling with numerical	DMD_ME_ppt_01				3				
				Design of flexible bush coupling with numerical	DMD_ME_ppt_01				1				
				Design of Bearings with introduction and tyes.	DMD_ME_ppt_02	DMD_ME_		Machine Decign By	5.		1000		
2	16-20 Anons	5	1	Types of Lubrication and oil seals	DMD_ME_ppt_02	V 02	Use of different oil	Khurmi Gupta , V.B	12/8		1	1000	
	t			Design of hydrodynamic journal bearings for radial loads with numerical	DMD_ME_ppt_02		applting in nut-bolt	370)234]				100	
				Design of hydrodynamic journal bearings for radial loads with numerical	DMD_ME_ppt_02		or hinjes of door and windows			1323			
				Design of ball and roller bearing for radial and thrust loads	DMD_ME_ppt_02	DMD_ME_ V_03			1				
	22-26			Design of ball and roller bearing for radial and thrust loads with numerical	DMD_ME_ppt_02		the bearing used in	Machine Decign Ru					
3	Augus	4	182	Design of ball and roller bearing for radial and thrust loads with numerical.	DMD_ME_ppt_02		load appled during	Rhurmi Gupta , V.I.		7			
				Design of ball and roller bearing for radial and thrust loads with numerical	DMD_ME_ppt_02		condition.		1	1			
				Failures of antifriction bearing, bearing housing.	DMD_ME_ppt_02			1 3 3 69				4 5 3	1 3 2
				Design of Flat belt drive with introduction and types	DMD_ME_ppt_03	DMD_ME_		100000					1000
	WEEK No.	WEEK No. Week 8-12 Augus t 16-20 Augus t	WEEK No. Of Lect. 1 8-12 Augus 4 t 5 16-20 2 Augus 5 t	WEEK No. Of Unit No. Of Lect. No. Of Lect. No. No. Week No. Of Unit No. No. Of Lect. No. No. No. No. No. No. No. No. No. No	WEEK No. Week No. Of Lect. No. Design of Coupling, Introduction to Coupling, Types of shaft coupling. Besign of Coupling, Introduction to Coupling, Types of shaft coupling. Design of flange coupling with numerical Design of flange coupling with numerical Design of flexible bush coupling with numerical Design of flexible bush coupling with numerical Design of Bearings with introduction and tyes. Types of Lubrication and oil seals Design of hydrodynamic journal bearings for radial loads with numerical Design of hydrodynamic journal bearings for radial loads with numerical Design of ball and roller bearing for radial and thrust loads with numerical Design of ball and roller bearing for radial and thrust loads with numerical Design of ball and roller bearing for radial and thrust loads with numerical Design of ball and roller bearing for radial and thrust loads with numerical Design of ball and roller bearing for radial and thrust loads with numerical Design of ball and roller bearing for radial and thrust loads with numerical Design of ball and roller bearing for radial and thrust loads with numerical Design of ball and roller bearing for radial and thrust loads with numerical Design of ball and roller bearing for radial and thrust loads with numerical Design of ball and roller bearing for radial and thrust loads with numerical Design of ball and roller bearing for radial and thrust loads	Types of Lubrication and oil seals Design of Period Bearings with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flexible bush coupling with numerical DMD_ME_ppt_01 Design of flexible bush coupling with numerical DMD_ME_ppt_02 Design of hydrodynamic journal bearings for radial loads with numerical DMD_ME_ppt_02 Design of hydrodynamic journal bearings for radial loads with numerical DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads with numerical Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads with numerical Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing bearing bousing. DMD_ME_ppt_02	The series of th	WEEK No. Veek No. Of Lect. Vo. Unit Lect. Vo. Exact Topic Name & Subtopic PPt ID Video ID Activity/Teaching Aid Design of Coupling, Introduction to Coupling, Types of shaft Coupling, DMD_ME_ppt_01 DMD_ME_V_01 Design of flange coupling with numerical DMD_ME_ppt_01 DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flexible bush coupling with numerical DMD_ME_ppt_02 Design of flexible bush coupling with numerical DMD_ME_ppt_02 Design of flexible bush coupling with numerical DMD_ME_ppt_02 Design of Mydrodynamic journal Design of hydrodynamic journal Design of hydrodynamic journal Design of hydrodynamic journal Design of hydrodynamic journal Design of professional loads with numerical DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and	Faculty Name: Dr. Shallesh N. Khekale Week No. O' Unit Exact Topic Name & Subtopic PPt ID Video ID Activity/Teaching Reference Book - Chapter no. Page no. Design of flange coupling, Introduction to Coupling, Types of shaft Coupling, Design of flange coupling with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_01 Design of flange coupling with numerical DMD_ME_ppt_02 Design of flange coupling with numerical DMD_ME_ppt_02 Design of flange coupling with numerical DMD_ME_ppt_02 Design of flange coupling with numerical DMD_ME_ppt_02 Design of flange coupling with numerical DMD_ME_ppt_02 Design of flange coupling with numerical DMD_ME_ppt_02 Design of flange coupling with numerical DMD_ME_ppt_02 Design of flange coupling with numerical DMD_ME_ppt_02 Design of flange coupling with numerical DMD_ME_ppt_02 Design of flange coupling with numerical DMD_ME_ppt_02 Design of flange coupling with numerical DMD_ME_ppt_02 Design of flange coupling with numerical DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 Design of ball and roller bearing for radial and thrust loads DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_02 DMD_ME_ppt_03 DMD_ME_ppt	Faculty Name: Dr. Shallesh N. Khekale Sem - ODD 2	Faculty Name: Dr. Shallesh N. Khekale Week No. Of Lect. No. Week No. Of Lect. No. Design of Coupling, Introduction to Coupling, Types of shaft coupling with numerical Design of flange coupling with numerical Design of flange coupling with numerical Design of flange coupling with numerical Design of flanges of therefore to design of flanges coupling with numerical Design of flanges coupling with numerical DMD, ME, ppt. 01 Design of flanges coupling with numerical DMD, ME, ppt. 01 Design of flanges coupling with numerical DMD, ME, ppt. 01 Design of flanges coupling with numerical DMD, ME, ppt. 01 Design of flanges coupling with numerical DMD, ME, ppt. 01 Design of flanges coupling with numerical DMD, ME, ppt. 02 Design of flanges coupling with numerical DMD, ME, ppt. 02 Design of flanges coupling with numerical DMD, ME, ppt. 02 Design of flanges coupling with numerical DMD, ME, ppt. 02 Design of flanges of Bearings with introduction and oil seals Design of flanges of Design of Bearings with introduction and oil seals DMD, ME, ppt. 02 Design of pythordynamic journal bearing for radial loads with numerical DMD, ME, ppt. 02 Design of pythordynamic journal bearing for radial loads with numerical DMD, ME, ppt. 02 Design of pythordynamic journal bearing for radial and thrust loads with numerical DMD, ME, ppt. 02 Design of pythordynamic journal bearing for radial and thrust loads with numerical DMD, ME, ppt. 02 Design of pall and roller bearing for radial and thrust loads with numerical DMD, ME, ppt. 02 Design of pall and roller bearing for radial and thrust loads with numerical DMD, ME, ppt. 02 Design of pall and roller bearing for radial and thrust loads with numerical DMD, ME, ppt. 02 Design of pall and roller bearing for radial and thrust loads with numerical DMD, ME, ppt. 02 Design of pall and roller bearing for radial and thrust loads with numerical DMD, ME, ppt. 02 Design of flanges of ball and roller bearing for radial and thrust loads with numerical DMD, ME, ppt. 02 Design of flanges co	Faculty Name: Dr. Shallesh N. Khekale WEEK No. Of Unit Lett. Week No. Of Lett. Who Exact Topic Name & Subtopic PPLID Vide ID Activity/Teaching Aid Refrence Book-Chapter no. Page no. Design of Coupling, Introduction to Coupling, Types of shaft DMD_ME_ppt_01 Design of fange coupling with numerical DMD_ME_ppt_01 Design of fexible bush coupling with numerical DMD_ME_ppt_01 Design of fexible bush coupling with numerical DMD_ME_ppt_02 Design of frexible bush coupling with numerical DMD_ME_ppt_02 Design of hydrodynamic journal Design of hydrodynamic journal Design of hydrodynamic journal Design of hydrodynamic journal Design of hydrodynamic journal Design of radial and thrust loads DMD_ME_ppt_02 DM	Faculty Name: Dr. Shallesh Nr. Khekale Sem







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference





CCOEW/ MECH / 22-23

Date: 04/08/2022

		Part of the				LESSON	& TEACHING F	PLAN						
					CUMI	MINS COLLEGE OF E	NGINEERING F	OR WOMEN, NAGPUR						
Fa	culty N	lame: Dr.	. Shalles	h N. Kh	nekale				Subject: Design of Mechanical Drives (BEME705T)	SEM -ODD (2022-23)		Sem	:- VII
3	WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/Teaching Aid	Refrence Book - Chapter no. Page no.	Completion Date	Assignme nt Date	Tutorial date	HOD's remark	Principal
T					Belt material, analysis of belt tension, condition for transmitting maximum power	DMD_ME_ppt_03								
					Design of flat belt with numerical	DMD_ME_ppt_03						321		
		29			Design of flat belt and pulley with numerical	DMD_ME_ppt_03			Machine Design By	1				
Ш	4	Augus 1-3	4	2	Design of flat belt and pulley with numerical	DMD_ME_ppt_03			Khurmi Gupta , V.B	6.9				
1		Sept.			Resign of V helt drive: Tunes of V-helt analysis of V-helt	DMD_ME_ppt_03	DMD_ME_ V_05		Bhandari	11	Septemb		1.00	
					Design of V belt & pulley with numerical	DMD_ME_ppt_03								
	TIT					DMD_ME_ppt_03								-
					Design of Roller chain drive: Velocity ratio and length of chain, design of chain, dimensions of	DMD_ME_ppt_04	DMD_ME_ V_06	Observation and analyse the chain					1000	
		25.0			Design of Roller chain drive with problem	DMD_ME_ppt_04		used in bycycle and	Machine Design By	1				125
	5	05-9 Septe.	5	2	Design of Roller chain drive with numerical	DMD_ME_ppt_04		bike.	Khurmi Gupta , V.B Bhandari	919		1	2 77 1	
		Septe			- 1 / 1 - Ad - Learned unless to unitro romo etrorror	DMD_ME_ppt_04	DMD_ME_ V_07		Dianuari	(,)		13.3	190	
					Design of wire rope, sheave and drum with numerical	DMD_ME_ppt_04								
						DMD_ME_ppt_04		Oservation and						
					Design of wire rope, sheave and drum with numerical	DMD_ME_ppt_04	DMD_ME_ V_08	analysis of wire rope im Lift	Machine Design By	1				1000
	6	12-16	5	4	Design of wire rope, sheave and drum with numerical	DMD_ME_ppt_04			Khurmi Gupta , V.B Bhandari	1417	14th Sept.	100		
		Septe.			Design of wire rope, sheave and drum with numerical				Ditalicali			1 100	1	1
					Design of wire rope, sheave and drum with numerical				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-		100	3
					Design of Gears: Review of kinematics of gears & terminology, interference, tooth profiles, tormative number of teeth	DMD_ME_ppt_05	DMD_ME_ V_09							1







CCOEW/ MECH / 22-23

Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference





				CUM	MINS COLLEGE OF EN	IGINEERING FO	OR WOMEN, NAGPUR		and the same of th		$\overline{}$		
Faculty N	lame: Dr.	Shailes	h N. Kh	nekale				Subject: Design of Mechanical Drives (BEME705T)	SEM -ODD (2	022-23)		Sem	n:- VII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/Teaching Aid	Refrence Book - Chapter no. Page no.	Completion Date	Assignme nt Date	Tutorial date	HOD's remark	Principal
7	17-23 Sept						Sessional - I						
				Design of Spur Gear drive with numerical					1				
	100			Design of Spur Gear drive with numerical				Machine Design By					
- 8	26 Sept-			Design of Spur Gear drive with numerical				Khurmi Gupta , V.B	(
	01 Oct			Design of Spur Gear drive with numerical				Bhandari (430 -	1610				
				Design of Helical Gear drive with numerical	DMD_ME_ppt_06			550)356]					
			4	Design of Helical Gear drive with numerical	DMD_ME_ppt_06				7			1000	
				Design of Helical Gear drive with numerical			-						
				Design of Helical Gear drive with numerical		San San S		Machine Design By	>		L. Company	A Section	
9	3 -7 Oct	5		Design of Bevel Gear Drive: Types of bevel gear, proportions of bevel gear, force analysis of bevel gear drive	DMD_ME_ppt_07	DMD_ME_ V_10		Khurmi Gupta , V.B Bhandari (430 - 550)356]	7/10				
				Design of bevel gear drive with numerical									
	3 1 3 3			Design of bevel gear drive with numerical					1				
			100	Design of bevel gear drive with numerical									
	30.3			Design of bevel gear drive with numerical									1
				Design of bevel gear drive with numerical	10-1			Machine Design By	4.				
10	10-15 Oct.	5		Design of Worm Gear Drive: Worm Gearing—AGMA Equation; Worm-Gear force analysis	DMD_ME_ppt_08	DMD_ME_ V_11		Khurmi Gupta , V.B Bhandari (430 -	10/10	14th Oct			
				Design of Worm Gear Drive with numerical				550)356])				1
	1			Design of Worm Gear Drive with numerical							1.	A CONTRACTOR	1 3
				Design of Worm Gear Drive with numerical				100					1
	100			Design of Worm Gear Drive with numerical		la de la la					1		1000
13119		-		Design of Worm Gear Drive with numerical				Machine Design By Khurmi Gupta , V.B	Tichi		1	1	100
11	17-21 Oct.	5	_	Design of Worm Gear Drive with numerical				Bhandari (430 -	1010			1 600	1
		1		Design of Worm Gear Drive with numerical				550)356]		1	1 333	1	
	400	- 1	1				900, 811 9 11	ALISO CONTRACTOR		7	1	1	1) 11







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference

Common anda





CCOEW/ MECH / 22-23

Date: 04 / 08 / 2022

						& TEACHING P				3.130			
Faculty	Name: Dr	. Shaile:	sh N. K		MINS COLLEGE OF EN	IGINEERING F	OR WOMEN, NAGPUR	Subject: Design of Mechanical Drives (BEME705T)	SEM -ODD (2	2022-23)		Sem	:- VII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/Teaching Aid	Refrence Book - Chapter no. Page no.	Completion Date	Assignme nt Date	Tutorial date	HOD's remark	Principal
				Design of Worm Gear Drive with numerical									
12	24-28 Oct.					DI	WALI VACCATION						
				Design of Flywheel with Functions, Coefficient of fluctuation of energy		DMD_ME_ V_12)			-	
13	29 Oct. 5 Nov.	4		Coefficient of fluctuation · of speed, energy storage in flywheel	DMD_ME_ppt_09		Observation and analyse the flywheel	Machine Design By Khurmi Gupta , V.B Bhandari (430 -					
		114		Stresses in flywheel, design of flywheel			used in motor byke	550)356]				1 3 11 1	
				Design of flywheel with numerical									
		77		Design of flywheel with numerical					7				
	100			Design of flywheel with numerical			2 3	Machine Design By		1			1000
14	07-11 Nov	5	5	Design of flywheel with numerical				Khurmi Gupta , V.B Bhandari (430 -					1
				Design of flywheel with numerical				550)356]	>			13.20	
				Design of flywheel with numerical					18/10	Th3		1	
				Design of flywheel with numerical		100							1000
				Design of flywheel with numerical				Machine Design By					
15	14-19	5		Design of I. C. Engine components		DMD_ME_ V_I3		Khurmi Gupta , V.B Bhandari (430 -					
	Nov			Introduction to selection of material for I. C. engine components	DMD_ME_ppt_10			550)356]					
				Design of cylinder and cylinder head			- 1 W - 1 T	Maria Control					

Faculty









CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

commence the Entrucering Acumen with a difference



Date: 5/08/2020

CCOEW/ME/ 20-21

LESSON & TEACHING PLAN

_			-		Department	of Mechanic	al Engine	ering					
aculty	y Name: P	of. Pras	anna I	Mahankar					Subject: Hea t Teausfer	Energy Convenion II	SEM: VII	(2020-21)	
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no, edition. No	Link for quiz or poll	Completion Date	Assignment/T utorial Date	HOO's sign
		Lecu		Internal Combustion Engines: Introduction, classification, components of I.C.Engines, working of four stroke S.I.	ME7ECII7W1D100820L01	EC2_ICE_1	EC2_ICE_ V1	Part of			10/8/2	D	
				working of two stroke and four stroke C.I. Engines,	ME7ECII7W1D110820L02	EC2_ICE_1	EC2_45 an2S_V2				1118120		-
1	10 - 14	5	111	valve and port timing diagram. Advantages and disadvantages, applications.	ME7ECH7W1D120820L03	EC2_ICE_1	EC2_VT_V 3		IC Engine by V. Ganesan, Ch. 1, Pages 1-42, 4th	https://forms.gle/hPhugh 11Xaol.UJXm6	121812	ø	
	Aug 20			Combustion in S. I. Engine, stages of combustion, ignition lag, detonation.	ME7ECII7W1D130820L04	EC2_ICE_1	EC2_Co mb_V4	https://vcal- iitk.vlabs.ac.in/list.ht ml	Edition		13 8 2	0	-
				Combustion in C. I. Engine, stages of combustion, delay period, diesel knock, abnormal combustion in S.I. and C.I. engines, detonation and knocking	ME7ECH7W1D140820L05	EC2_ICE_1	EC2_CC MB_V5				16181	20	
				Fuel supply to S. I. Engine, carburetion, simple carburetor, components, operation	ME7ECII7W2D170820L06	EC2_ICE_1	EC2_Fuei V6				1018	120	
				MPFI, Fuel supply to C. I. Engine.	ME7ECII7W2D180820L07	EC2_ICE_1	EC2_MPI	1			1818	120	
2	17- 21 Aug	5	III &	air injection system, solid injection, fuel pump & fuel injector.	ME7ECII7W2D190820L08	EC2_ICE_1	EC2_Inje	ct	IC Engine by V Ganesan, Ch. and 11, Pages 189-23 323-355, 4th	7 https://forms.gle/hPh 8, 11XaoLUJXm6	1915	120	
	20		IV	Unit 4 Testing of I. C. Engines:- Performance parameters, measurement of indicated, friction & brake power, measurement of speed, fuel & air	ME7ECII7W2D200820L09	EC2_ICE_2			Edition		201	8120	
-				consumption, calculation of indicated & brake thermal efficiency, volumetric efficiency, relative efficiency and mechanical efficiency, percentage of excess air.	ME7ECH7W2D210820L10	EC2_ICE_2					241	8120	
1				Numerical	ME7ECH7W3D240820L11	EC2_ICE_2					24	18/20	
				Heat balance sheet, exhaust gas calorimeter, exhaust analysis,	ME7ECH7W3D250820L12	EC2_ICE_2	2				v	118120	

Faculty in Charge

HOD





WEEK No.		No. Of	Unit	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	Link for quiz or poll	Completion Assignment utorial D	
3	24 - 29 Aug 20	Lect.	181	Numerical	ME7ECII7W3D260820L13	EC2_ICE_2			IC Engine by V. Ganesan, Ch. 8 & 9, Pages 241-287. Ch. 15, Pages 457-	https://forms.gle/hPhugk 11Xaol.UJXm6	25/8/20	
	Aug 20			Numerical	ME7ECII7W3D270820L14	EC2_ICE_2			571, 4th Edition		26/8/20	
				performance characteristics, factors influencing the performance of I.C. engines, performance analysis of single and multi cylinder I. C. engines	ME7ECII7W3D280820L15	EC2_ICE_2					2118120	-
				performance analysis of single and multi cylinder I. C. engines	ME7ECII7W4D310820L16	EC2_ICE_2					28/8/20	
				Numerical	ME7ECII7W4D020920L17	EC2_ICE_2					29 18 120	
				Numerical	ME7ECII7W4D030920L18	EC2_ICE_2			Thermal Engineering, R. K Rajput	https://forms.gle/hPhuj	31/8/20	
4	31 Aug - 5 Sept. 20	-	Air Compressors:- Introduction, classification, applications. Positive displacement Compressors:- Reciprocating compressors:- Construction and working, isothermal, polytropic & adiabatic compression process,	ME7ECII7W4D040920L19	EC2_Compressor_1	EC2_Com pressor_\		Pages 676-717, 9th Edition	TIXACUIAMO	119/20		
				Reciprocating Air Compessor : Work done with and without clearance, P-V diagram, volumetric efficiency,	ME7ECII7W4D050920L20	EC2_Compr ssor_1	e EC2_Con pressor_ 10				219120	
1	7-12 Sept. 6			effect of clearance, isothermal efficiency,	ME7ECII7W5D070920L21	EC2_Compr	e				319120	
				Numerical	ME7ECII7W5D080920L22	EC2_Compr	e				419120	
				methods for improving isothermal efficiency, volumetric efficiency, mechanical efficiency,	ME7ECII7W5D090920L23	EC2_Compo	e		Thermal Engineering, R Rajput	Interpretation in Section		
-		6	11	Numerical	ME7ECI17W5D100920L24	EC2_Comp ssor_1	re		Pages 676- 717,9th Editi		7/9/20	
-				Multistage compression, intercooling, condition for minimum work input	ME7ECII7W5D110920L25	EC2_Comp ssor_1	re EC2_Co pressor 10				8/9/20	
-				Numerical	ME7ECII7W5D120920L26	EC2_Comp	re				919120	
-				Numerical	ME7ECII7W6D140920L27	EC2_Comp	re					

HOD





W EN No	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignmen t/Tutorial Date	AC's sig
11	23- 27	-		Indexing- simple, compound and Differential Indexing.	ME4MPW11D130221 L13	MP_ME_ppt_02					7		+
11	May	3	IV	Grinding operations, grinding wheel,	ME4MPW11D130221 L14	MP_ME_ppt_02			Hazra ch. 9, p. 347-356				-
				Specifications & selection, cylindrical & centreless grinding operation, surface grinding, tool & cutter grinding, time estimation	ME4MPW11D130221 L15	MP_ME_ppt_02)		
				Super finishing process: Honing, Lapping, polishing, buffing,	ME4MPW02D130221 L13	MP_ME_ppt_02		Concept of Grinding process			(1	
12	30 May- 4	3	IV	polishing, buffing, 'metal spraying, Galvanizing and electroplating	ME4MPW02D130221 L13	MP_ME_ppt_02		with Emery paper with different			Ins	1	
	June			Process parameters and attainable grades of surface finish, surface measurement.	ME4MPW02D130221 L13	MP_ME_ppt_02		grades and wooden part					
				Specifications & selection, cylindrical grinding operation	ME4MPW02D130221 L13	MP_ME_ppt_02							
				Attainable grades of surface finish surface measurement	ME4MPW02D130221 L13	MP_ME_ppt_02					2		-
13	6-10 June	3	V	drills, drill size and	ME4MPW02D130221 L13	MP_ME_ppt_02		Use of sharp tip of grater to make hole in Potato to			(73)	1	
			1	Bench drilling machine, right drilling machine, radial drilling machine, universal drilling machine,	ME4MPW02D130221 L13	MP_ME_ppt_02		understand the	397-406,)		
				Multisided drilling machine.Drilling machines operations,time estimation for drilling.	ME4MPW02D130221 L13	MP_ME_ppt_02					2		
14	13 - 18 June	3	V (Reaming:Introduction, description of reamer, type of reaming operations.	ME4MPW02D130221 L13	MP_ME_ppt_02					(-		1
			I	Boring: Introduction, types of boring machine	ME4MPW02D130221 L13	MP_ME_ppt_02			Hazra ch. 11,	р.	1		
5	20 - 24	2	_	Horizontal boring machine, vertical boring nachine, jigmachine, microboring. Boring operations.	ME4MPW15D130221 L13	MP_ME_ppt_02			397-406,		2		
3	June	-		Broaching Introduction, type of broaches, nomenclature of broaches, types of broaching machin	ME4MPW15D130221 L14	MP_ME_ppt_02					521		
	7June-					Sessional II							
			Si	ub. Teacher						0	HOD		

HOD







Maharshi Karvo Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accomen with a difference



CCOEW/MECH / 20-21

Date: 20/ 8 / 2021

						Department of Mecha	nical Department						
culty	Name: Adi	itya Ka	wadas	kar				Sub: Industrial I	ingineering		Yea	r: 2021-22	Sem:- V
E K o.	Week	No. Of Lect.	t	Exact Topic Name & Subtopic	Gate	PPt ID	Video ID	Activity/ Virtua lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Compl etion Date	Assignment/Tu torial Date	AC's sign
1	16Aug - 21Aug					SKILL DEVE	ELOPMENT	WEEK					
				QC- Definition, function, characteristics, objectives	27/08/2021	IE_Unit5_ppt_01				2	218	ć	
	23Aug -	5		QC-Characteristics, objectives		E_Unit5_ppt_01		Characterictics of Different items like Pen, paper, Mobile and		2	418		
2	27Aug	5		Quality of design, quality of conformance		E_Unit5_ppt_01		Activity on Mobile phones and its design	Text Book of Statistical		18	/	
				process control charts and process capability		E_Unit5_ppt_01			Quality Control: M Mahajan	28	18		
				Numericals	27/08/2021	E_Unit5_ppt_01			,	of a	18		
			5	Numericals	30 8 2021	E_Unit5_ppt_01				30	18		
				Sampling concepts		IE_Unit5_ppt_01				3		Tutorial 30/8/21	
	30Aug-0	04		Acceptance Sampling		IE_Unit5_ppt_01		Sampling of Rice and Wheat		ıl	9		
3	Sept21		,	Numericals		IE_Unit5_ppt_01				2	13		
				OC curves, inspection		IE_Unit5_ppt_01		of household Appliances		3	19		
1				Inspection	3.9.2021	IE_Unit5_ppt_01	KOM_Unit3_V_			u		signment /9/2021	

Hally

Faculty in Charge

Hingna, Hagper-441118

Dr. Milind Khanapurkar

WE EK No.		No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic	Gate	PPt ID	Video ID	Activity/ Virtua lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	fink for quiz or poll	Compl etion Date	Assignment/T torial Date		s sign
				Numericals	6/9/2021	IE_Unit5_ppt_01					06/0			
				Forecasting and concepts		IE_Unit3_ppt_01			Text Book of Statistical Quality Control: M		719		T	1
4	6 Sept-10 Sept21	5		Methods of forecasting (Judgemental analysis),		IE_Unit3_ppt_01		Sales of Mahindra Thar based on its demand and Sale	- Mahajan		8/9		T	\prod
				Numericals		IE_Unit3_ppt_01				¥	0/9			H
				Exponential smoothing method	10/9/2021	IE_Unit3_ppt_01			Ī		de		1	
				Numericals	13/09/2021	IE_Unit3_ppt_01					019	Tutorial 13/9/21	1	7
			111	Numericals		IE_Unit3_ppt_01					3[9	13/7/21		7
٢.	13Sept- 18Sept21	6	III	Time series analysis, least square method		IE_Unit3_ppt_01					13			1
				Numericals		IE_Unit3_ppt_01				15	9		1	1
				Numericals	17/09/2021	IE_Unit3_ppt_01					9		\rightarrow	
				moving average method.		IE_Unit3_ppt_01			_	7			\dashv	
				Numericals	20/09/2021	IE_Unit3_ppt_01	1		Cext Book of Statistical Quality Control: M	20	_		\top	
	20Sept-24			Maintainance, objectives and types		IE_Unit3_ppt_01		household items like Fan, Cooler, Bike etc	Mahajan	21	-		Ħ	
6	Sept 21	6		Types of Maintainance		IE_Unit4_ppt_01				22	9		Ħ	
				Types of Maintainance		IE_Unit4_ppt_01				23	3		17	1
				Reliability and Maintainability	24/09/2021	IE_Unit4_ppt_01			<u> </u>	24/5	-	itorial	1	1
			IV	Reliability and Maintainability	27/09/2021	IE_Unit4_ppt_01	-	ase study on eliability of peroplane		241	a Assi	/9/21 grunent 9/2021	4	-
7	27 Sept-			Failure data analysis, MTBT,		IE_Unit4_ppt_01				2719	Tu	torial		
7	2Sept	5		MTTR,Bath tub curve,		IE_Unit4_ppt_01		Т	ext Book of Statistical	28/9	15,	/9/21	\vdash	
				series, parallel and stand by system		IE_Unit4_ppt_01			Quality Control: M Mahajan	299	-		H	
				Numericals	1/10/2021	IE_Unit4_ppt_01				30/9	+			







/E K	Week	No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic	Gate	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Compl etion Date	Assignment/Tu torial Date	AC's sign
+	04 Oct- 09Oct					Ses	sional1						
1				sqc,	11/10/2021	IE_Unit6_ppt_01					11110		
				quality assurance and quality planning,		IE_Unit6_ppt_01		Quality Circle. Group of students has to			12/10		
9	11 Oct-16 Oct21	5	VI	quality audit and vendor quality rating		IE_Unit6_ppt_01					30		/
			VI	там,		IE_Unit6_ppt_01			Text Book of Statistical		14/10		
				ISO 9000,		IE_Unit6_ppt_01			Quality Control: M		do		
				BIS 14000,		IE_Unit6_ppt_01			Mahajan		13/10	V	
				philosphy of six sigma, approaches to quality improvement	18/10/2021	IE_Unit6_ppt_01					1610		
				Work study productilty and its objectives,		IE_Unit1_ppt_01				6	19	Assignment 19/10/2021	
10	18 Oct- Oct22			types,Factor affecting productivity,		IE_Unit1_ppt_01				-	19	Tutorial 22/10/21	
				Tools and techniques to improve productivity, productivity measurement		IE_Unit1_ppt_01				1	19		\mathcal{I}
				Work study and methods study: Definitions, objectives,		IE_Unit1_ppt_01			Text Book of Statistical Quality Control: M	1	clo		\prod
				I steps in method study,	25/10/2021	1E_Unit1_ppt_01			Mahajan	,		Assignment 25/10/2021	
				steps in method study,		1E_Unit1_ppt_01				N'	9/1	Tutorial	\wedge
1	250		6	process charts, string diagram,.		IE_Unit1_ppt_01					ek	30/10/21	
	39Oct	21		process charts, string diagram,.		IE_Unit1_ppt_01		activities while cooking		-	49		
				motion study, micro motion study, SIMO Chart		IE_Unit1_ppt_01					119		
				motion study, micro motion study, SIMO Chart	30/10/2021	IE_Unit1_ppt_01			T . D		8/8		
									Text Book of Statistical	7	017		

MARTE



Dr. Millind Khanapurkar Principal Maharsh Karve Stres Shikhan Sanetha's 'urneles College of Engineering for Women winds Napour-44119.



Faculty in Charge

A/E EK	Week	No. Of	Lini t	East Topic Name & Subtopic	Cate	prote 10	VIdeo ID	Activity/ Virtual Int link Teaching Aid	Bafranca Book Chanter on Paga on adition No	tink tier easte or godf	(Zatin	Austgementfis usral itata g	K-W
0.					TOTAL PROMISE W	ar track out ()			Quality Centrol: M Mahajan		200		
1				Wish measurement. Objectives, definition,	8/11/2021	PE_17mit2_pgit_01	+		Manajan		BIT.		
			l	Work measurement - Objectives, definition		TE_Unit2_ppt_01	_				7717		1
	DENOV-		ŀ	Work measurement Objectives, definition,		IE_Umit2_ppt_01					78/3		
**	12Nev21		ŀ	stop watch study.		TE_Unit2_ppt_01					1/10	Austymeant	1
			H	work sampling PMTs, MTM	12/11/2021	IE_Unit2_ppt_01					14/11	12/11/2021	-
4		-	1	Work factor method	13//11/2021	IE_Unit2_ppt_01							-
			n	Ergonomics : Objectives, Human factors in Engs.		IE_Unit2_ppt_01			a a company		16/11		
				11		10 11-12 mt 01			Text Book of Statistical Quality Control: M		NA		
13	(8Nm-21	*		Man machine system, display design,		IE_Unit2_ppt_01			Mahajan		d1		and the second
	30Nm31		1	design of controls.		IE_Unit2_ppt_01		-			di		
			1 1	Principles of motion economy		IE_Unit2_ppt_01		-			May		7
			1	Work place design	20/11/2021	IE_Unit2_ppt_01		Design of Study ro			ports		house
	22Nov- 38Nov-21						Revision					6	

on laster Markey

36





Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2020-21

Tel. No.: 9657667030 E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in







CCOEW/ME / 20-21 LESSON & TEACHING PLAN for Engineering Thermodynamics Department of Mechanical Enggineering Sub: Engineering Thermodynamics Sec: A Year: 2020-21 Faculty Name: Prof. Prasanna Mahankar Sem:-IV Activity/ Refrence Book -Completion Virtual lab Assignment/Tu No. Of Unit WEEK Chapter no. Page link for quiz or poll AC's sign Video ID **Exact Topic Name & Subtopic** Topic ID PPt ID Week link Teaching Date torial Date Lect. No. no,edition. No No. Aid ME5ET5W1D010221L01 Introduction to Thermodynamics: Basic concepts of Thermodynamics, ME5ET5W1D020221L02 CP Arora, Systems and its forms, Thermodynamics, Chap. 1 & 2, page 1-Property, State, Process, Cycles, https://forms.gle/dYxra8z ME5ET5W1D030221L03 51, Engineering Activity 1 Thermodynamics equilibrium, ET_1 i8SrWX1KY9 1st to 6 Feb Thermodynamics, P. temperature, Zeroth law of K. Nag, Chap. 1 & 2, Page 1-41 ME5ET5W1D040221L04 thermodynamics, ME5ET5W1D050221L05 Problem ME5ET5W1D060221L06 Introduction to First law of ME5ET5W2D080221L07 thermodynamics CP Arora, ME5ET5W2D090221L08 Energy transfer, Thermodynamics, Chap. 1 & 2, page 1-ME5ET5W2D100221L09 ET_Energy_2 https://forms.gle/UU6ZuE 51, Engineering Heat and Work, Thermodynamics, P. H6pCR6Ph1L7 8 to 12 Feb K. Nag, ME5ET5W2D110221L10 Chap. 2&3, Page 26 - 69 Non-mechanical form of work. ME5ET5W2D120221L11 Mechanical form of work, Ideal Gas: Gas laws-Boyle's law, ME5ET5W1D030221L13 Charle's law, Avagadro's law, 5/5/24 process on P-V Diagram. Calculation of Heat transfer, Work done, Change in Internal Energy and MESETSW1D030221L14 CP Arora, Activity 3 ET_3 Thermodynamics, Chap. 1 & 2, page 1- https://forms.gle/72z4Hm Equation of state, Specific Heat, ME5ET5W1D030221L15 51, Engineering Universal gas constant, 15 to 20 Faculty in Charge





	IO. Week	Lect.	No.	Exact Topic Name & Subtopic	Topic ID			ink Teaching Aid	no,edition. No	for quiz or post Comptent	torial Date ACT	esen /
-	- Feb	1	1	Problem	MESET5W1D030221L16				Thermodynamics, P. K. Nag, Chap. 3 & 4, Page 41 - 86	KDEITELMASERY	1.	
				Constant pressure, Constant volume,	ME5ET5W1D030221L17							
				Isothermal, Isentropic and Polytropic	ME5ET5W1D030221L18							
			1	Unit II: First law of Thermodynamics for Closed System undergoing a process							11/5/20	4
				Unit II: First law of Thermodynamics for Closed System undergoing a process					CP Arora, Thermodynamics, Chap. 4 & 5, page			
	22 to 27 Feb	5		cycle (Control Mass System)		ET_First Law_3		Activity 4	105-221, Engineering htt	tps://forms.gle/1BhBdn gVsUvXG14U8		
	100			First Law to Open System (Control Volume System),					K. Nag, Chap. 5, Page 87 -112.			
				Problems					0, 112.		113 113 11	
				Problems								
				Steady Flow process								
				Steady Flow process apply to Nozzle, Turbine, Compressor,					CP Arora, Thermodynamics,		27/5/2	021
5	1 to 6 Mar	6	п	Steady Flow process apply to Pump, Boiler, Throttling Device, Heat Exchanger.		ET_SFEE_4	-	Activity 5	Chap. 4 & 5, page 105-221, Engineering Thermodynamics, P.			
				Problems					K. Nag, Chap. 5, Page 87 -112			
		-		Problems								
		1		Problems								-
				Unit III :- Second Law of Thermodynamics:- Introduction, Thermal Energy Reservoirs,								
				Kelvin-Plank and Clausius Statements,					CP Arora, Thermodynamics, Chap. 6, page 231-			
1	3 to 12 Mar	5	_	Kelvin-Plank and Clausius Statements,		ET_2nd Law	_5	Activity 6	305, Engineering Thermodynamics, P.	https://forms.gle/T7sNRK zruukXWNY99		







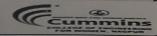
Mark See Note Company Comp													
Process Problems Problems	No. Week	Lect.	No.	Exact Topic Name & Subtopic	Topic ID					Ktar quix ar poll Cample	torial	Date ACS	ien
Procedures Proced			1 .			. 2 25			K. Nag, Chap. 6, 7 & 8				-
Perpetial Motion Machine Lind II, Cernot Cycle, Thermodynamic Temperature scale, Entropy Classica Increasing. 7 22 6 27 Max 5 III Problem From Entropy, Principle of increase of Entropy, Change in Entropy for different Thermodynamic Problem Problem 1 III Problem From Entropy, Principle of increase of Entropy, Change in Entropy for different Thermodynamic Processes with T-S Disease. Processes. Arativity 7 Entropy, Principle of increase of Entropy, Change in Entropy for different Thermodynamics Processes with T-S Disease. Processes. Arativity 7 Entropy, Principle of increase of Entropy, Change in Entropy for different Thermodynamics Processes with T-S Disease. Processes. Arativity 7 Entropy, Principle of increase of Entropy, Change in Entropy for different Thermodynamics Processes with T-S Disease. Processes. Arativity 7 Entropy, Principle of increase of Entropy, Change in Entropy for different Thermodynamics Processes with T-S Disease. Processes. Arativity 7 Entropy, Principle of increase of Entropy, Change in Entropy for different Thermodynamics Processes with T-S Disease. Processes. Arativity 7 Entropy, Change in Entropy for different Thermodynamics Processes with T-S Disease. Processes. Arativity 7 Entropy, Change in Entropy for different Thermodynamics Processes with T-S Disease. Processes. Arativity 7 Entropy for different Thermodynamics Processes with T-S Disease. Processes. Arativity 7 Entropy for different Thermodynamics Processes with T-S Disease. Processes. Arativity 7 Entropy for different Thermodynamics Processes with T-S Disease. Processes. Arativity 7 Entropy for different Thermodynamics Processes with T-S Disease. Processes. Arativity 7 Entropy for different Thermodynamics Processes with T-S Disease. Arativity 7 Entropy for different Thermodynamics Processes with T-S Disease. Arativity 7 Entropy for different Thermodynamics Processes with T-S Disease. Arativity 7 Entropy for different Thermodynamics Processes with T-S Disease. Arativity 7 Entropy for different Ther				Problems	4 - 410 - 410	30.7			Page 117 -225				
Carnot Cycle, Themodynamic Temperature scale Entropy Clussius Inequality. Problem Entropy, Principle of increase of Entropy, Principle of Increase of Entropy, Principle of Inc				Problems		100							
Carnot Cycle, Themodynamic Temperature scale Entropy Clussius Inequality. Problem Entropy, Principle of increase of Entropy, Principle of Increase of Entropy, Principle of Inc													
Carnot Cycle, Themodynamic Temperature scale Entropy Clussius Inequality. Problem Entropy, Principle of increase of Entropy, Principle of Increase of Entropy, Principle of Inc													
Entropy Classus Inequality Problem Entropy Classus Inequality Problem Entropy En				Carnot Cycle,									
The problem and the problem and the problem are seen to the problem and the problem are seen to the pr									Thermodynamics,				
The modynamics, P. K. Nag. Chap 6, 7 & 8 Page 117.225 Bartopy, Pinciple of increase of Entropy, Pi				n 11		ET Entropy			Chap. 6, page 231-305, Engineering	https://forms.gle/JL32HjB		186	
Entropy, Principle of increase of Entropy, Change in Entropy for different Themodynamics Processes, and the ET_PPS_7 Reversible and Irreversible Processes, Availability Unit IV Properties of Steam Sensible Iteat, Latent Heat, Critical Sensible Iteat, Latent Heat, Critical Sensible Iteat, English Point, West Seam Phase change process Formulae explanation Problem Dry Steam, Superheated Steam, Dyness Fraction, Internal Energy of Steam, External Work Done T.S. Diagram, Mollier Chart, Work and Heat Transfer during various Thermodynamics, P. Engineering		5	III	Entropy, Principle of increase of				Activity 7	Thermodynamics, P. K.	HERhzzUAy9			
Entropy, Change in Entropy for different Thermodynamics Processes with T-S Diagram Reversible and Ineversible Processes, Availability Unit IV Properties of Steam - Sensible Heat, Latent Heat, Critical Stine, Triple Point, Wet Steam - Sensible Heat, Latent Heat, Critical Stine, Triple Point, Wet Steam - Sensible Heat, Latent Heat, Critical Stine, Triple Point, Wet Steam - Problem Problem Dry Steam, Superheated Steam, Dyness Fraction, Internal Energy of Steam, External Work Done T-S Diagram, Mollier Chart, Work and Heat Transfer during various Thermodynamics, P. K. Nag. Thermodynamics, P. C. P. Arora, Thermodynamics, P. C. P.						200			6, 7 & 8 Page			TO THE STATE OF	
Thermodynamics Processes with T-S Diagram Reversible and Irreversible Processes. Availability Unit IV Properties of Steam Sensible Heat, Latent Heat, Critical State, Triple Proint, West Steam Phase change process Formulae explaination Problem Dry Steam, Superheated Steam, Dryness Praction, Internal Energy of Steam, External Work Done T-S Diagram, Mollier Chart, Work and Heat Transfer during various Thermodynamics, Chap. 3, page 55-96, Engineering Thermodynamics, P. K. Nag. Page 273-314 CP Arora, Thermodynamics, Chap. 3, page 55-96, Engineering Thermodynamics, Ch				Entropy,					117 -225			1 3 1 1 2	
Reversible and Irreversible Processes, Availability Unit IV Properties of Steam Sensible Heat, Latent Heat, Critical State, Triple Point, Wet Steam Phase change process Formulae explaination Problem Dry Steam, Superheated Steam, Dryness Fraction, Internal Energy of Steam, External Work Done Type Steam, Superheated Steam, Dryness Fraction, Internal Energy of Steam, External Work Done Type Steam, Superheated Steam, Dryness Fraction, Internal Energy of Steam, External Work Done Type Steam, External Work Done Type Steam, External Work Done Type Steam, External Work Do				Thermodynamics Processes with T-S									
Availibility IV Properties of Steam - Sensible Heat, Latent Heat, Critical State, Triple Point, Wet Steam - Phase change process Formulae explaination Problem Dry Steam, Superheated Steam, Dryness Fraction, Internal Energy of Steam, External Work Done T-S Diagram, Mollier Chart, Work and Heat Transfer during various Thermodynamics, Chap. 3, page 55-96, Engineering Thermodynamics, P. K. Nag. 273-314 CP Arora, Thermodynamics, P. K. Nag. 273-314 CP Arora, Thermodynamics, P. K. Nag. 273-314 CP Arora, Thermodynamics, P. Chap. 3, page 55-96, Engineering Thermodynamics, Chap. 3, page 55-96, Engineering Thermodynamics, P. K. Nag. 273-314 Problem Problem Problem Problem HOD Co. 273-314			The same	Reversible and Irreversible		ET_PPS_7							
8 29 Mar to 3 Apr 5 IV Sensible Heat, Latent Heat, Critical Sensible Heat, Latent Hea											Shirt Control		
Sensible Heat, Latent Heat, Critical State, Triple Point, Wet Steam Phase change process Phase change process	19,00								Thermodynamics,				
Phase change process Phase change process Phase change process Promulae explaination Problem Pr	20 May to 3			Sensible Heat, Latent Heat, Critical				1	Engineering				
Formulae explaination Problem Dry Steam, Superheated Steam, Dryness Fraction, Internal Energy of Steam, External Work Done T-S Diagram, Mollier Chart, Work and Heat Transfer during various And Heat Transfer during various Thermodynamics, P. K. Nag, Chap. 9, Page 273 - 314 Determination of Dryness Fraction using various Calorimeter. Problem Problem Problem Problem 273 - 314 273 - 314 CP Arora, Thermodynamics, Chap. 3, page 55-96, Engineering Thermodynamics, P. K. Nag, Chap. 9, Page 273 - 314 HOD Core	8	5	IV						K. Nag,			- 4 9 6	
Problem Dry Steam, Superheated Steam, Dryness Fraction, Internal Energy of Steam, External Work Done T-S Diagram, Mollier Chart, Work and Heat Transfer during various Thermodynamics, P. K. Nag, Chap. 3, page 55-96, Engineering Thermodynamics, P. K. Nag, Chap. 9, Page 273-314 HOD Constant of Dryness Fraction Using various Calorimeter. Problem Problem HOD Constant of Dryness Fraction Problem		1900	,	Formulae explaination				x.php?sub=1&	273 -314				
Dry Steam, Superheated Steam, Dryness Fraction, Internal Energy of Steam, External Work Done T-S Diagram, Mollier Chart, Work and Heat Transfer during various Thermodynamic Processes with steam as working fluid, Determination of Dryness Fraction using various Calorimeter. Problem Problem Dry Steam, Superheated Steam, Dryness Fraction Work Done Thermodynamics, Chap. 3, page 55-96, Engineering Thermodynamics, Chap. 9, Page 273-314	1 1 1 1 1 1						-			1			
Dryness Fraction, Internal Energy of Steam, External Work Done T-S Diagram, Mollier Chart, Work and Heat Transfer during various Thermodynamics, Chap. 3, page 55-96, Engineering Thermodynamics, P. K. Nag, Chap. 9, Page 273 -314 Problem HOD Constant Annak Fraction HOD Constant Annak Fraction Work Done Thermodynamics, P. K. Nag, Chap. 9, Page 273 -314				Problem									
Internal Energy of Steam, External Work Done T-S Diagram, Mollier Chart, Work and Heat Transfer during various Thermodynamics, Chap. 3, page 55-96, Engineering Thermodynamics, P. K. Nag, Chap. 9, Page Using various Calorimeter. Problem HOD HOD HOD Thermodynamics, P. K. Nag, Chap. 9, Page Problem HOD HOD Thermodynamics, P. K. Nag, Chap. 9, Page Problem													
9 S to 9 Apr 5 IV and Heat Transfer during various Thermodynamics, P. K. Nag, Chap. 9, Page using various Calorimeter. Problem Thermodynamic Processes with steam as working fluid, Chap. 9, Page 273 - 314 HOD (**)									Thermodynamics,				
steam as working fluid, Determination of Dryness Fraction using various Calorimeter. Problem Problem HOD HOD HOD The problem of Dryness Fraction and the problem of Dryness Fraction and Dryness Fraction		-	TV	and Heat Transfer during various					Engineering Thermodynamics, F	https://forms.gle/dNvxwr			
using various Calorimeter. Problem Problem HOD	9 5 to 9 Apr	5	1	steam as working fluid,					K. Nag,	1 1 1 1 1 1 1 1			
Problem HOD (**)				using various Calorimeter.					273 -314				
oculty in Charge Problem HOD To											-		
nculty in Charge		-		Problem			-		HODE				
	iculty in Cha	arge	av						900				
			90				2 1 1			-	-		







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Acumen with a difference



CCOEW/MECH / 20-21

LESSON & TEACHING PLAN for Control System Engineering

Date: 30/1 / 2021

		- Maria		N. C.	C	epartment of	Mechanical E	ngg.					
cult	y Name: Pro	of. Vikram	Dandeka	ar				Sub: Control S	ystem Engineering		Year:	2020-21	Sem:- VI
EEK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
1				election of the section of the secti	ME602CSEW01D010221 L01	CSE_CS_ppt _01	CSE_CS_V_ 01	MatLab Required			1/2		1
ı				Control System controls: Study of	ME602CSEW01D020221 L02		Branch Co.		Control System Engineering, J.		2/2		
	1 Feb -6	6		Control System components such as hydraulic actuators, Servomechanism D.C. and A.C.	ME602CSEW01D030221 L03		CSE_CS_V_ 02		Magrath and M.Gopal, New Age		3/2		
1	Feb	0		motor, liquid level control, Automobile Power Steering Control,	ME602CSEW01D040221 L04				International Publishers, 5th		4/2		
				2/2	ME602CSEW01D050221 L05				Edition, 2007 Pg. 101-200		5/2		4
	1				ME602CSEW01D060221 L06						6/2		
1	19.73			444	ME602CSEW02D080221 L07	CSE_CS_ppt _02					8/2		1
				Speed Control, Position control of	ME602CSEW02D090221 L08		CSE_CS_V_0 3		Control System Engineering, J.		9/2		110
	8 Feb -13			Robotic Manipulator etc. Study and Analysis of performance	ME602CSEW02D100221 L09		CSE_CS_V_0 4		Magrath and M.Gopal, New Age		10/2	10/2	19
	Feb	6	1	characteristics, the concept of various types of system like machine tools, Prime movers, system	ME602CSEW02D110221 L10				International Publishers, 5th		11/2		
				generators, etc.	ME602CSEW02D120221 L11				Edition, 2007 Pg. 101-200		12/2		
1				2101	ME602CSEW02D130221 L12						13)2		
				chi	ME602CSEW03D150221 L13	CSE_CS_ppt _03					15/2		
				Modeling of Mechanical System:	ME602CSEW03D160221 L14		CSE_CS_V_ 05		Control System Engineering, J.		16/2		
3	15 Feb-20			Basic Elements of Control System – Open loop and Closed loop	ME602CSEW03D170221 L15				Nagrath and M. Gopal, New		17/2		
3	Feb	6		systems – Differential equation – Laplace Transform –Transfer function, Modeling of physical	ME602CSEW03D180221 L16		CSE_CS_V_ 06		Age International Publishers, 5th		18/2		1







NEE!	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
1				system like	ME602CSEW03D190221 L17				Edition, 2007 pg.201-300		19/2		1
					ME602CSEW03D200221 L18						2012		
					ME602CSEW04D220221 L19	CSE_CS_ppt					22/2		
				Translational, rotational mechanical	ME602CSEW04D230221 L20		CSE_CS_V_07		Control System Engineering, J.		23/2		
	22 Feb -27				ME602CSEW04D240221 L21			1 11/2 5	Nagrath and M.Gopal, New		24/2		M
	Feb	6	I		ME602CSEW04D250221 L22				Age International		25/2		77
				determination for physical systems.	ME602CSEW04D260221 L23				Publishers, 5th Edition, 2007 pg.		26/2		IV
				d-	ME602CSEW04D270221				301-400				
				3/12	L24 ME602CSEW05D010321	CSE_CS_ppt					27/2		
				Transfer Function system	L25 ME602CSEW05D020321	_05	CSE CS V	1000000	Control System		03/3		
1				Representation through Block Diagram and Signal Flow Graph:	L26		08		Engineering, J. Nagrath and	William Line	23		
	1 Mar - 6	6	п	Block Diagram representation Reduction	ME602CSEW05D030321 L27		CSE_CS_V_ 09		M.Gopal, New Age		313	33	
	Mar			Techniques for single and multiple input/output, Conversion of	ME602CSEW05D040321 L28				International Publishers, 5th		4/3		0
1					ME602CSEW05D050321 L29				Edition, 2007 pg. 401-500		513		
1		4	30		ME602CSEW05D060321 L30				401-300		613		
					ME602CSEW06D080321 L31	CSE_CS_ppt							1
1				chai	ME602CSEW06D090321		CSE_CS_V_		Control System		8/3		1
					ME602CSEW06D100321		10		Engineering, J. Nagrath and		9 3		
	8 Mar -13 Mar	6	II	Signal Flow Graph. Transfer function through Block Diagram	L33 ME602CSEW06D110321		CSE CS V		M.Gopal, New Age International		10/3		1
				Simplification using Masons Gain	L34		11	14-110	Publishers, 5th	E 37 32 1 33	11/3		
					ME602CSEW06D120321 L35				Edition, 2007 pg. 500-523		12/3		
			1.3		ME602CSEW06D130321 L36					To be as	13/3		J
7	15 Mar - 20 Mar			SIN			C	essional 1					







NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				System Response & Time Domain	ME602CSEW08D220321 L36	CSE_CS_ppt 07					22 3		7
				order systems response to	ME602CSEW08D230321 L37		CSE CS V 12		Control System Engineering, J.		23/3		
	22 Mar -			properties of unit step response of	ME602CSEW08D240321 L38		CSE_CS_V_13		Nagrath and M.Gopal, New		24/3		
8	27 Mar	6		systems with velocity lag, Steady	ME602CSEW08D250321 L39		C3E_C3_V_13		Age International		25 3		1
				constants.Signals: Step, Ramp, Impulse, Parabolic and Periodic	ME602CSEW08D260321 L40				Publishers, 5th Edition, 2007 pg. 550-602	THE PERSON	26 3		
				representation and characteristics.	ME602CSEW08D270321 L41				550-602		27/3		Y
			III		ME602CSEW09D290321 L42	CSE_CS_ppt				FARRIOR	29/3		
				actions and Industrial controllers,	ME602CSEW09D300321 L43	_00			Control System		30/3		1
	29 Mar - 3			controllers their characteristics, representation and applications.	ME602CSEW09D310321 L44		CSE_CS_V_		Engineering, J. Nagrath and M.Gopal, New		313	31/3	
9	April	6		automatic controllers, control actions,	ME602CSEW09D010421 L45				Age International Publishers, 5th		114	0//2	1
			2.33	derivative and integral control action, effects of integral and	ME602CSEW09D020421				Edition, 2007 pg. 343-421		2 4		
				derivative control action on system	ME602CSEW09D030421						3)4		/
10	5 April - 10 April				<i>D-11</i>			RE-Test		TOP OF B			1
	p. n				ME602CSEW11D120421 L48	CSE_CS_ppt					12/4		
				Control system analysis: Concept and types of stability, Routh-Hurwitz					Control System		13)4		
	12 April -			Criterion and its application for determination of	ME602CSEW11D140421 L50		CSE_CS_V_		Engineering, J. Nagrath and M.Gopal, New		1414		MAD
11	17 April	6	IV		ME602CSEW11D150421 L51				Age International Publishers, 5th		15/4		17
				locus.	ME602CSEW11D160421 L52				Edition, 2007 Pg. 501-622		16)4		
					ME602CSEW11D170421 L53						17/4		
					ME602CSEW12D190421 L54	CSE_CS_ppt_ 10	CSE_CS_V_16				1914		
		A	1	Frequency Domain analysis - Correlation between time and	ME602CSEW12D200421 L55				Control System Engineering, J.		2014		







Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
19 April -		V	System.	L56				M.Gopal, New				
24 April			Gain Margin, Phase Margin and their	ME602CSEW12D220421 L57				International				
1000			Dalas plats					Edition, 2007 pg. 638- 720				1
				ME602CSEW12D240421 L59								
			242	ME602CSEW13D260421 L60	CSE_CS_ppt							
						CSE_CS_V_ 17		Engineering, J.				
26 April - 1			Inverse Bode Plot, Transportation	ME602CSEW13D280421 L62				M.Gopal, New				
May	6		lag, System Identification from Bode plot.	ME602CSEW13D290421 L63				International				
		181		ME602CSEW13D300421 L64				Edition, 2007 pg. 523-576				1
						CSE_CS_V_ 18						
			State Variable Representation -	ME602CSEW14D040521 L67		CSE_CS_V_ 19		Engineering, J.				
3 May - 8			Concepts of Controllability		CSE_CS_ppt _12			M.Gopal, New				
May	6		representation for Discrete time					International				
			Stability criterion: Introduction to					Edition, 2007				
11800				ME602CSEW14D080521 L71				78.33				
	19 April- 24 April 6 April- 1 May	Week Lect. 19 April - 6 6 April - 1 May 6	Week Lect, No. 19 April - 6 V 6 April - 1 6 May 6	State space representation of Continuous Time systems. State Variable Representation From State Variable Representation of State Variable Representation of Continuous Time systems: State equations, Concepts of Controllability and Observability, State space representation for Discrete time systems. Stability criterion: Introduction to control system dead compensation, Feed Back	frequency responses of a second order System. Bode & Polar plot: Determination of Gain Margin, Phase Margin and their Stability from Bode and Polar plots. Methode Polar plots L57	Preserve Preserve	19 April	No. Of Lect. No. Exact Topic Name & Subtopic Topic ID PPt ID Video ID Ink Teaching Aid	No. Of Lect. No. Unit Lect. No. Unit Lect. No. Exact Topic Name & Subtopic Topic ID PPt ID Video ID	Week No. Of Lect. No. Exact Topic Name & Subtopic Topic ID PPt ID Video ID Video ID Ink Teaching Add Ink Teaching Add Nagran Anal Ink for quiz or poin Ink	Week	No. Of

Sub. Teacher

AC











Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/MECH / 20-21

Date: 30/1 / 2021

LESSON & TEACHING PLAN for Mechatronix

	Marin				D	epartment of	Mechanical E	ingg.					
aculty	Name: Pro	f. Vikram I	Dandeka	r/Prof.Kanchan Wagh/ Dr.B.P.Joshi				Sub: MTRX			Year:	2020-21	Sem:- VI
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				Introduction to mechatronics: Review of sensors, transducers and solid state electronic devices (Only	ME604MTRXW01D0102 21L01 ME604MTRXW01D0202	ppt_01	MTRX_CS_ V_01	MatLab Required	Mechatronics -		1/2		
	1 Feb -6			set on these topics). Scope and elements of mechatronics,	21L02 ME604MTRXW01D0302 21L03		MTRX_CS_ V_02		Integrated Mechanical Electronics		3/2		
1	Feb	6		mechatronics design process, measurement system, requirements and types of control	ME604MTRXW01D0402 21L04				System, K.P. Ramachandran, Wiley India Pvt.		4)2		Ply
				systems, feedback principle, Basic elements of feedback control systems, Classification of feedback	ME604MTRXW01D0502 21L05 ME604MTRXW01D0602				Ltd. New Delhi Pg. 101-200		5/2		
				control system. Examples of Mechatronics Systems	21L06 ME604MTRXW02D0802 21L07	MTRX_CS_ ppt_02					8/2		
				such as Boat Autopilot, High-Speed Tilting trains, Automatic	ME604MTRXW02D0902 21L08		MTRX_CS_V _03		Mechatronics & Microprocessors,		0/2	9/2/21	
	8 Feb -13		,	Car Park system, Coin counter, Engine management system, Antilock braking system (ABS)	ME604MTRXW02D1002 21L09		MTRX_CS_V _04		K.P. Ramachandran,		10/2		
2	Feb	6	I	control, traffic controller, temperature controller, weigh-bridge, weather	ME604MTRXW02D1102 21L10				Wiley India Pvt. Ltd., New Delhi.Pg. 101-		11/2		
				prediction, Automatic washing machine etc. General	ME604MTRXW02D1202 21L11				- 200		12/2		
				remarks on applications.	ME604MTRXW02D1302 21L12				A COLOR		13/2		400
				Examples of Mechatronics Systems	ME604MTRXW03D1502 21L13	MTRX_CS_ ppt_03					15/2		
		183		such as Boat Autopilot, High-Speed Tilting trains, Automatic	ME604MTRXW03D1602 21L14		MTRX_CS_ V_05		Mechatronics - Integrated Mechanical		162		
2	15 Feb-20			Car Park system, Coin counter, Engine management system,	ME604MTRXW03D1702 21L15				Electronics System K P		172		/









WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
3	Feb			control, traffic controller, temperature controller, weigh-bridge, weather	ME604MTRXW03D1802 21L16		MTRX_CS_ V_06	Alu	Ramachandran, Wiley India Pvt.		18/2		
				prediction, Automatic washing machine etc. General	ME604MTRXW03D1902 21L17				Ltd. New Delhi pg.201-300		1912		
				remarks on applications.	ME604MTRXW03D2002 21L18						20/2		
				System Interfacing and Data Acquisition: DAQS: Data acquisition systems	ME604MTRXW04D2202 21L19	ppt_04					0		
				(DAQS), data loggers, Supervisory	ME604MTRXW04D2302 21L20		MTRX_CS_V_ 07		Mechatronics & Microprocessors,		22/2		Bhu
4	22 Feb -27 Feb	6	п	(SCADA), Communication methods.	ME604MTRXW04D2402 21L21				K.P. Ramachandran,	STO THE	23/2		2
	reb			Microprocessor: Level and	ME604MTRXW04D2502 21L22				Wiley India Pvt. Ltd., New		24/2		
				Buffers, Handshaking, Polling and	ME604MTRXW04D2602 21L23				Delhi. pg. 301- 400		25/2	25/2	
		1000		communication, Serial	ME604MTRXW04D2702 21L24						26/2	/	
				Analogue to Digital and Digital to Analogue Conversations:	ME604MTRXW05D0103 21L25	MTRX_CS_ ppt_05					1/3	4	
		113		Introduction to digital signal processing (DSP), Data flow in DSPs, Block diagrams and typical	ME604MTRXW05D0203 21L26		MTRX_CS_ V_08		Mechatronics - Integrated Mechanical		2/3		
5	1 Mar - 6 Mar	6	II	layouts. Components of interconnections and	ME604MTRXW05D0303 21L27		MTRX_CS_ V_09		Electronics System, K.P.		3/3		
	IVIAL			Impedance Matching: Impedance characteristics, Cascade	ME604MTRXW05D0403 21L28				Ramachandran, Wiley India Pvt.		413		
				connection of devices, Impedance matching in mechanical systems,	ME604MTRXW05D0503 21L29				Ltd. New Delhi pg. 401-500		513		
				interfacing microcontroller output with actuators.	ME604MTRXW05D0603 21L30						613	1	Bly
						MTRX_CS_ ppt_06					813		
	37 37				ME604MTRXW06D0903 21L32		MTRX_CS_ V_10		Mechatronics &		113		
6	8 Mar -13	6	п	Interfacing Motor Drives: Drives units- DC drives, Variable frequency drives (VFD), Scalar and	ME604MTRXW06D1003 21L33			Same and all	Microprocessors, K.P. Ramachandran,		0 3		
	Mar		**	Vector drives Stepper motor driver	ME604MTRXW06D1103 21L34		MTRX_CS_ V_11		Wiley India Pvt. Ltd., New		1/3		
	1				ME604MTRXW06D1203 21L35			D	Delhi. pg. 500-523		2/3		
					ME604MTRXW06D1303 21L36						13/3		









VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
7	15 Mar - 20 Mar						S	essional		103 31313		The same	
					ME604MTRXW08D2203 21L36	MTRX_CS_ ppt_07					22/8		1
				of motion, Cams, Gears,	ME604MTRXW08D2303 21L37		MTRX_CS_V_	12	Mechatronics - Integrated		28/3		
	22 Mar - 27	6		Mechanical aspects of motor	ME604MTRXW08D2403 21L38		MTRX_CS_V_	13	Mechanical Electronics System, K.P.		24/3		
	Mar			(Only review, no questions to be set	ME604MTRXW08D2503 21L39				Ramachandran, Wiley India Pvt.		25 3		(0)
1				on these topics)Electrical Actuating Systems: Mechanical switches and relays, solenoids, state	ME604MTRXW08D2603 21L40				Ltd. New Delhi pg. 550- 602		26/3		YOU
			III	switchessolenoids, DC Servomotors, Stepper motor.	ME604MTRXW08D2703 21L41				10		27/3		
				Pneumatics & Hydraulic Actuating Systems: Pneumatics & Hydraulic	ME604MTRXW09D2903 21L42	MTRX_CS_ ppt_08					य्व।3		
				Systems, directional control valves, pressure control valves, servo and proportional control	ME604MTRXW09D3003 21L43				Mechatronics & Microprocessors,		30/3		
9	29 Mar - 3	6		valves, cylinder sequencing and	ME604MTRXW09D3103 21L44		MTRX_CS_ V_14		K.P. Ramachandran,		31 3	31/3	
	April			cascade control, rotary actuators, Identifications of graphical	ME604MTRXW09D0104 21L45				Wiley India Pvt. Ltd., New Delhi. pg.		114		
				symbols for Pneumatic and Hydraulic circuits.	21L46				Delhi. pg. 343-421		214	/(Sorry
					ME604MTRXW09D0304 21L47						314	7	
10	5 April - 10 April							RE-Test)	
				Digital logic: Number system, Logic gates, Boolean algebra, Karnaugh map, Applications of gates,	ME604MTRXW11D1204 21L48	MTRX_CS_ ppt_09					12/4	7	
			100	Sequential logic. Introduction – Components of	ME604MTRXW11D1304 21L49				Mechatronics - Integrated Mechanical	The state of the s	13)4	1	
	12 April -		TV.	Microprocessors: Number systems, arithmetic operations on	ME604MTRXW11D1404 21L50		MTRX_CS_ V_15		Electronics System, K.P.		1414		Blu
11	17 April	6	IV	microprocessors.8085	ME604MTRXW11D1504 21L51				Ramachandran, Wiley India Pvt.		15/4	7	1
	1000		100	Microprocessor: Pin configurations of 8085, architecture of the execution	ME604MTRXW11D1604 21L52				Ltd. New Delhi Pg. 501- 622		16/4		/.
		1000			ME604MTRXW11D1704 21L53						1714		





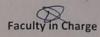


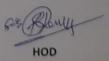
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				Programmable Logic Controller: Introduction to PLCs, Basic structure	ME604MTRXW12D1904 21L54	MTRX_CS_ppt	MTRX_CS_V_	16			1914		
				operation, input and output	ME604MTRXW12D2004 21L55				Programmable Logic		20/4		1
12	19 April -	6	v	processing, PLC programming language, ladder diagram, ladder diagrams circuits, timer counters.	ME604MTRXW12D2104 21L56				Controllers, John W Webb and		214		
12	24 April	6		internal relays, master control, jump	ME604MTRXW12D2204 21L57				Ronald A Reis, Prentice Hall.		22/4		18mh
					ME604MTRXW12D2304 21L58				Inc., 1999.pg. 638- 720		23/4		1
					ME604MTRXW12D2404 21L59						24/4		
					ME604MTRXW13D2604 21L60	MTRX_CS_ ppt_11					26/4	26/4	
				Application of PLC control:	ME604MTRXW13D2704		MTRX_CS_ V 17		Programmable Logic		2714		
13	26 April - 1	6	v	Extending and retracting a pneumatic piston using latches, control of two pneumatic pistons, control of	ME604MTRXW13D2804 21L62				Controllers, John W Webb and		2814		
	May			process motor, control of vibrating machine, control of process	ME604MTRXW13D2904 21L63				Ronald A Reis, Prentice Hall,		2914		7 Bly
				tank, control of conveyer motor etc.	ME604MTRXW13D3004 21L64				Inc., 1999.pg. 523- 576		30/4		
					ME604MTRXW13D0105 21L65						115		
				Introduction to SCADA: Functionality, applications,	ME604MTRXW14D0305 21L66		MTRX_CS_ V_18				3/5		
				development, evaluation and benefits of SCADA.	ME604MTRXW14D0405 21L67		MTRX_CS_ V_19		Mechatronics & Microprocessors,		415	/	
14	3 May - 8	6	VI	Introduction to Electronics Interface	ME604MTRXW14D0505 21L68	MTRX_CS_ ppt_12			K.P. Ramachandran,		5/5		Shell
	May		-	logic (TTL), Complimentary metal-oxide	ME604MTRXW14D0605 21L69				Wiley India Pvt. Ltd., New		615		
				semiconductor (CMOS) interfacing, sensor interfacing, motor isolation	ME604MTRXW14D0705 21L70				Delhi. pg. 725-812		7)5	1	
			333	schemes, buffer IC breakers, over current sensing, resettable fuses.	ME604MTRXW14D0805 21L71						8/5		
16							Sessional	П					

B

Sub. Teacher

Ac









1



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Date 29/01/2021

CCOEW/ME/ 20-21

LESSON & TEACHING PLAN

Department of Mechanical Engineering

Facul	ty Name: Prof.	Sushil La	njewar					Sub: Automation In Production		Sec:	Year :	2020-21	Sem:- VIII
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
	25 Jan -30 Jan			ONLINE SKILL DEVELOPMENT TRAINING							30/01		
				Definition, types, reasons,	ME8AIP8W01D010221L01	AIP_CH1_ppt01					1		de
				strategies for automating, levels of automation	ME8AIP8W01D020221L02	AIP_CH1_ppt02		Group/ Each of students make search	Automation, Production				1
1	01 Feb - 6 Feb	5	1	arguments for and against automation	ME8AIP8W01D030221L03	AIP_CH1_ppt03		papers for New Trends in Automation & Make some charts	systems, & Computer Integreted Manufacturing By				7
				Organization and information processing in	ME8AIP8W01D040221L04	AIP_CH1_ppt04		/ http://vlabs iitkgp ac in/cim/	M. P. Groover Pg. No. 6-21, 401-411,		106/02		
				Automated Flow 'Lines- Methods of work part transport,	MEBAIPBW01D050221L05	AIP_CH1_ppt05						Tutonal 01 / 6/02/21	
				Buffer storage	ME8AJP8W02D080221L06	AIP_CH1_ppt06				,	1		
				Analysis of flow lines -General terminology and analysis.	ME8AIP8W02D090221L07	AIP_CH1_ppt07			Automation, Production				
2	08 Feb - 13 Feb	5	1	Analysis of flow lines -General terminology and analysis, (numericals)	ME8AIP8W02D100221L08	AIP_CH1_ppt08		making some small models for work part transport	systems, & Computer Integreted Manufacturing By		}		
				analysis of transfer lines without storage	MERAIPSW02D110221L09	AIP_CH1_ppt09		http://vlabs.iitkgp.ac.in/cim/	M. P. Groover Pg No 448- 460		13/02		
				analysis of transfer lines without storage (Numericals)	MERAIPEW02D120221L10	AIP_CH1_ppt10							
				partial automation.	ME8AIP8W03D150221L11	AIP_CH1_ppt11					1		
				manual assembly lines. Line Balancing Problem,	ME8AIP8W03D160221L12	AIP_CH1_ppt12		1	Automation, Production				
3	15 Feb - 20 Feb	5	ī	Line Balancing Problem.	ME8AIP8W03D170221L13	AIP_CH1_ppt13		http://vlabs.litkgp.ac.ln/cim/	systems, & Computer Integreted Manufacturing By				Att
	1.0			Methods of line balancing. (Largest Candidate Rule & RPW) (L.C.R., RPW only)	ME8AIP8W03D180221L14	AIP_CH1_ppt14			M. P. Groover Pg. No. 448- 460, 142-181, 188-212		16/05		1 700
				Methods of line balancing (Largest Candidate Rule & RPW) (L. C. R., RPW only)	ME8AIP8W03D190221L15	AIP_CH1_ppt15						Assgt 01 / 19/02/21	
				Numerical Control Production Systems -Basic concepts,	ME8AIP8W04D220221L16	AIP_CH2_ppt01							
				coordinate system and machine motion.	ME8AIP8W04D230221L17	AIP_CH2_ppt02			Automation, Production				
4	22 Feb - 27 Feb	5	2	Types of NC systems -Point to point, straight cut and continuous path	ME8AIP8W04D240221L18	AIP_CH2_ppt03		Making some mdels & posters for NC & CNC http://vlabs.iitkgp.ac.in/cim/	systems, & Computer Integreted Manufacturing By.		127/02		1
	1.0			Machine control unit and other components,	ME8AIP8W04D250221L19	AIP_CH2_ppt04			M P Groover Pg No 142- 181, 188-212		1		
				part programming and tape formats.	ME8AIP8W04D260221L20	AIP_CH2_ppt05		1					1

Faculty in Charge







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accomen with a difference



CCOEW/ME/ 20-21

LESSON & TEACHING PLAN

Date 29/01/2021

culty	Name: Prof.	Sushil La	njewar					Sub: Automation In Production		Sec:	Year:	2020-21	Sem:- VIII
EE (Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no, edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
				method of part programming, Introduction of manual part programming (NC words)	ME8AIP8W05	AIP_CH2_ppt06						•	
				method of part programming, Introduction of manual part programming (NC words)	MERAIPSW05	AIP_CH2_ppt07		Hadns on Practice on MPP and	Automation, Production systems, & Computer				
	l March - 6 March	5	2	method of part programming, Introduction of manual part programming (NC words)	ME8AIP8W05	AIP_CH2_ppt08		industril machine Part programming http://vlabs.iitkgp.ac.in/cim/	Integreted Manufacturing By M. P. Groover, Pg. No. 142-		1 21/02		IA
				APT programming in details,	ME8AIP8W05	AIP_CH2_ppt09			181, 188-212 CNC Machines By P.N. Pabla Pg. No. 55-70		06/03	Tutorials 02/ 5/03/21	THE
				APT programming in details,	ME8AIP8W05	AIP_CH2_ppt10							17
				Directed numerical control. Computer numerical control.	MERAIPSW06	AIP_CH2_ppt11			Automation, Production		1	1	
	8 March - 13	4	2 & 3	Adaptive control Applications of NC.	MERAIP8W06	AIP_CH2_ppt12		Hadrs on Practice on APT using CAM module software	systems, & Computer Integreted Manufacturing By		100	Assgt 02 / 09/03/21	1
	March			Industrial Robotics -Introduction, robot anatomy,	MERAIP8W06	AIP_CH3_ppt01		http://vlabs.iitkgp.ac.in/cim/	M. P. Groover Pg. No. 214- 247		99103	16/03	1
				accuracy and repeatability and other specifications.	MERAIPSW06	AIP_CH3_ppt02						_	1
7	15 March - 20						Sess	ional Exam 1					
7	15 March - 20 March						Sess	ional Exam 1					N
7				ond effectors,	MESAIPSW08	AIP_CH3_ppt03	Sess	ional Exam 1			1		
	March			end effectors, sensors.	MERAIP8W08	AIP_CH3_ppt04	Sess	with the help Mircorconttler/Arduno	Automation, Production systems, & Computer			7	
			3	end effectors, scrisors, introduction to robot programming,	MESAIPSWOS MESAIPSWOS	AIP_CH3_ppt04 AIP_CH3_ppt05	Sess		systems, & Computer Integreted Manufacturing By M. P. Groover Pg. No. 214-		20103	7	
	March 22 March - 27		3	ond effectors, sensors, introduction to robot programming, untroduction to robot programming.	MESAIPSWOS MESAIPSWOS MESAIPSWOS	AIP_CH3_ppt04 AIP_CH3_ppt05 AIP_CH3_ppt06	Sess	with the help Mircorcontiler/Arduino use of Sensors and how to program	systems, & Computer Integreted Manufacturing By.		28/03	Tutonal 03 /	
	March 22 March - 27		3	end effectors, sensors, introduction to robot programming, introduction to robot programming, safety monitoring Robotapplications -Characteristics of robot applications	MESAIPSWOS MESAIPSWOS MESAIPSWOS	AIP_CH3_ppt04 AIP_CH3_ppt05 AIP_CH3_ppt06 AIP_CH3_ppt07	Sess	with the help Mircorcontiler/Arduino use of Sensors and how to program	systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 214-		28/03	Tutoral 03 / 22/03/21	4
	March 22 March - 27		3	end effectors, sensors, introduction to robot programming, introduction to robot programming, safety monitoring Robotapplications -Characteristics of robot applications, work cell layout, robot applications in materialhandling, processing, ascembly and inspection	MERAIPSWOS MERAIPSWOS MERAIPSWOS MERAIPSWOS	AIP_CH3_ppt04 AIP_CH3_ppt05 AIP_CH3_ppt06 AIP_CH3_ppt07 AIP_CH3_ppt08	Sess	with the help Mircorcontiler/Arduino use of Sensors and how to program	systems, & Computer Integreted Manufacturing By M P Groover Pg No 214- 247		28/03	22/03/21 Assnt 03/	
	March 22 March - 27		3 & 4	ond effectors, sensors, introduction to robot programming, introduction to robot programming, safety monitoring Robotapplications -Characteristics of robota applications, work cell layout, robot applications in materialliandling, processing, assembly and imposeron Automated Guided Vehicle Systems -Types: Driverless	MERAIPEWOR MERAIPEWOR MERAIPEWOR MERAIPEWOR MERAIPEWOO MERAIPEWOO	AIP_CH3_ppi04 AIP_CH3_ppi05 AIP_CH3_ppi06 AIP_CH3_ppi07 AIP_CH3_ppi08 AIP_CH4_ppi01	Sess	with the help Mircorcontiler/Arduino use of Sensors and how to program http://vlabs.inkgp.ac.in/cim/ with the help of final year projects students will do different programmings for AGVs	systems, & Computer Integreted Manufacturing By M P Groover Pg No 214- 247 Automation, Production systems, & Computer Integreted Manufacturing By			22/03/21 Assnt 03/ 29/03/21	
8	March 22 March - 27 March 29 March - 3	5		ond effectors, sensors, introduction to robot programming, introduction to robot programming, safety monitoring Robotapplications -Characteristics of obots applications, work cell layout, robot applications in materialliandling, processing, assembly, and inspection Automated Guided Vehicle Systems -Types. Driverless trains, AGVS pallet trucks. AGVS unit-load carriers. Vehicle guidance & routing.	MERAIPSWOS MERAIPSWOS MERAIPSWOS MERAIPSWOO MERAIPSWOO MERAIPSWOO MERAIPSWOO	AIP_CH3_ppi04 AIP_CH3_ppi05 AIP_CH3_ppi06 AIP_CH3_ppi06 AIP_CH3_ppi07 AIP_CH4_ppi01 AIP_CH4_ppi01	Sess	with the help Mircorcontiler/Arduno use of Sensors and how to program http://vlabs.nikgp.ac.in/cm/	systems, & Computer Integreted Manufacturing By M P Groover Pg No 214- 247 Automation, Production systems, & Computer		25/e3	22/03/21 Assnt 03/ 29/03/21	
8	March 22 March - 27 March 29 March - 3	5		ond effectors, scritors, introduction to robot programming, introduction to robot programming, safety monitoring Robotapplications -Characteristics of robot applications, work cell lavout, robot applications in materialiandling, processing, assembly and inspection. Automated Guided Vehicle Systems -Types: Driverless trains, AGVS pallet tricks. AGVS unit-load carriers: Vehicle guidance & routing. Traffic control & safety, System management,	MERAIPEWOR MERAIPEWOR MERAIPEWOR MERAIPEWOO MERAIPEWOO MERAIPEWOO MERAIPEWOO MERAIPEWOO MERAIPEWOO	AIP_CH3_ppi04 AIP_CH3_ppi05 AIP_CH3_ppi06 AIP_CH3_ppi07 AIP_CH3_ppi07 AIP_CH4_ppi01 AIP_CH4_ppi01 AIP_CH4_ppi02	Sess	with the help Mircorcontiler/Arduino use of Sensors and how to program http://vlabs.inkgp.ac.in/cim/ with the help of final year projects students will do different programmings for AGVs	systems, & Computer Integreted Manufacturing By. M P Groover Pg No 214- 247 Automation, Production systems, & Computer Integreted Manufacturing By M P Groover Pg No 214			22/03/21 Assnt 03/ 29/03/21	T
8	March 22 March - 27 March 29 March - 3	5		ond effectors, sensors, introduction to robot programming, introduction to robot programming, safety monitoring Robotapplications -Characteristics of obots applications, work cell layout, robot applications in materialliandling, processing, assembly, and inspection Automated Guided Vehicle Systems -Types. Driverless trains, AGVS pallet trucks. AGVS unit-load carriers. Vehicle guidance & routing.	MERAIPSWOS MERAIPSWOS MERAIPSWOS MERAIPSWOO MERAIPSWOO MERAIPSWOO MERAIPSWOO	AIP_CH3_ppi04 AIP_CH3_ppi05 AIP_CH3_ppi06 AIP_CH3_ppi06 AIP_CH3_ppi07 AIP_CH4_ppi01 AIP_CH4_ppi01	Sess	with the help Mircorcontiler/Arduino use of Sensors and how to program http://vlabs.inkgp.ac.in/cim/ with the help of final year projects students will do different programmings for AGVs	systems, & Computer Integreted Manufacturing By. M P Groover Pg No 214- 247 Automation, Production systems, & Computer Integreted Manufacturing By M P Groover Pg No 214			22/03/21 Assert 03/ 29/03/21	

Bluy

Faculty in Charge







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acamen with a difference



CCOEW/ME/ 20-21

LESSON & TEACHING PLAN Department of Mechanical Engineering

Date 29/01/2021

ulty Name: Prof. S	Sushil La	njewar					Sub: Automation In Production		Sec:	Year:	2020-21	Sem:- VII
Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
			Automated Storage & Retrieval System Types: Unit load AS/RS, mini load AS/RS	ME8AIP8W10	AIP_CH4_ppt07			305			^	
			man on board AS/RS, automated item retrieval system, deep lane AS/RS -	ME8AIP8W10	AIP_CH4_ppt08							
			Basic components & special features of AS/RS	ME8AIP8W11	AIP_CH4_ppt09			Automation, Production systems. & Computer		-11		
12 April - 17 April	3	4	Carousel storage systems, work in process	ME8AIP8W11	AIP_CH4_ppt10		http://viabs.iitkep.ac.in/cim/	Integreted Manufacturing By. M. P. Groover Pg. No.314-		17/04	Tutorial 04 /	1
			quantitative analysis	ME8AIP8W11	AIP_CH4_ppt11			329			17/04/21	III
			inspection principles & methods -100% automated inspection,	ME8AIP8W12	AIP_CH5_ppt01				4			14
			off-line & on -line inspection, distributed inspection & final inspection,	ME8AIP8W12	AIP_CH5_ppt02			Automation, Production systems, & Computer				
19 April - 24 April	4	5	Sensor technologies to, automated inspection,	MESAIPSW12	AIP_CH5_ppt03		http://viabs.iitkgp.ac.in/cim/	Integreted Manufacturing By M. P. Groover Pg. No. 507-		24/04		1
			coordinate measuring Machine Construction, operation & benefits,	ME8AIP8W12	AIP_CH5_ppt04			530, 540-560				
			processing & analysis, interpretation, machine vision applications,	MERAIP8W12	AIP_CH5_ppt05						Tutorial 05 / 24/04/21	
			Group Technology Part families, parts classification & coding. Opitz classification systems production	MERAIPSW13	AIP_CH5_ppt06			Automation, Production systems, & Computer	,			
			Flow analysis, Machine cell design -composite pat concept, types of cell design,	ME8AIP8W13	AIP_CH5_ppt07		at wokshop students will separate the	Integreted Manufacturing By M. P. Groover Pg. No. 540-				
26 April - I May	5	5 & 6	best machine arrangement, benefits of group technology	MERAIP8W13	AIP_CH5_ppt08		different tools / work pieses to understand the Part familty	560, 720-732, 749		19/05		
			manufacturing control, Computer integrated manufacturing	ME8AIP8W13	AIP_CH6_ppt01					031		10
			manufacturing control, Computer integrated manufacturing	MERAIPSW13	AIP_CH6_ppt02						Tutonal 06 / 30/04/21	I
			Flexible manufacturing systems - Components, Types of systems,	ME8AIP8W14	AIP_CH6_ppt03			Automation, Production systems, & Computer		1		1) 4
			FMS layout configuration computer functions,	MESAIPSW14	AIP_CH6_ppt04			Integreted Manufacturing By M. P. Groover Pg No. 540-		1		
3 May - 7 May	5	5	data files, system reports, FMS benefits.	ME8AIP8W14	AIP_CH6_ppt05		Group of students will make mini model FMS system	560, 720-732, 749		40/05		1
			Computer aided process planning - Retrieval CAPP systems,	MERAIPSW14	AIP_CH6_ppt06							
			generative CAPP systems, benefits of CAPP	MERAIPSW14	AIP_CH6_ppt07						Assnt 04/ 07/05/21	

Total Lectures

60

J.R. Lanjewas







Maharshi Karve Stree Shikshan Samstha's Educating Women for 116 years CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Sharpening Engineering Acumen with a difference

Lab Practicals Plan

CCOEW/Department of MECH / Even sem 2020-21

Department: Mechanical Engg.
Subject: Automation In Production

Semster: VIII Sem

Faculty Name: S. R. Lanjewar

				Batch #	1			Batch #	2			
Sr. no	Pi	Name of Experiment	Planned Date	Perform Date	No. Journals received	No. of Viva	Planned Date	Perform Date	No. Journals received	No. of Viva done	HoD's Remark	Principal
	print	print	print	fill	till	GII	print	fill	GH	fill	fill	
1	Pl	Study of Automation.	2-Feb-21	16/02						1		
2	P2	Study of NC System.	16-Feb-21	02/03							the	
3	Р3	Performance, Simulation on CNC lathe (at least two complex geometries).	2-Mar-21	16/03								
4	P4	Performance, Simulation on CNC milling (at least two complex geometries).	16-Mar-21	30/03								
5	P5	Introduction and Programming on APT.	30-Mar-21	06/04						(
6	P6	Case Study on Automated System of any Industry.	6-Apr-21	20/09							of Think	
7	Р7	Study/Performance on Robot.	20-Apr-21	06/05							J	
8	Р8	Part Coding and Group Technology.	4-May-21	04/05						·		

Subject Teacher S.R. Langewas

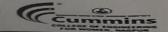
HOD p. Mohankar

College of Engline P

Dr. Milind Khanapurkar Principal Maharah Karus Situs dahasan Sanetha' Suoninia Cellega of Engineering for Moon



Maharsh Karve Stree Shikshan Samsth 's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Stargening Engineering Acumen with a difference



CCOEW/MECH / 20-21

Date: 30/1 / 2021

LESSON & TEACHING PLAN

State State of the
	The same				The Land Control		f Mechanical E						
Facult	y Name: Pro	f. Vikram	Dandeka	r				Sub: Advance	Manufacturing Tech	nnique	Year:	2020-21	Sem:- VIII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				- 12	ME803AMTW01D01022 1L01	AMT_CS_p pt_01	AMT_CS_V _01				1/2/21		1900
				Non Traditional Machining process:	ME803AMTW01D02022 1L02						2/2/21		UE
1	1 Feb -6	6	I	Need, classification & historical development. Economics &	ME803AMTW01D03022 1L03		AMT_CS_V _02		Manufacturing Science, Ghosh & Malik, East		3/2/21		
	Feb	18h		application of Non-Traditional process for machining. High speed grinding. Hot & Cold machining.	ME803AMTW01D04022 1L04				West Press. Pg. 202-258		4/2		60
	1			grinding. Hot & Cold machining.	ME803AMTW01D05022 1L05						5/2		1/200
	1000				ME803AMTW01D06022 1L06						6/2		
					ME803AMTW02D08022 1L07	AMT_CS_p pt_02					8 2		
	1	1			ME803AMTW02D09022 1L08		AMT_CS_V_ 03				9/2		
2	8 Feb -13	6	I	Economics & application of Non-Traditional	ME803AMTW02D10022 1L09		AMT_CS_V_ 04		Manufacturing Science, Ghosh & Malik, East		10/2	10/2	2
	Feb			process for machining. High speed grinding. Hot & Cold machining.	ME803AMTW02D11022 1L10				West Press. Pg. 202-258		11/2	1	100
	1				ME803AMTW02D12022 1L11						12/2	(4	
					ME803AMTW02D13022 1L12						13/2		
				No.	ME803AMTW03D15022 IL13	AMT_CS_p pt_03					15/2	,	2
		100		Hand to the same of the same o	ME803AMTW03D16022 1L14		AMT_CS_V _05				16/2	(+	900
3	15 Feb-2	0 6	п	Abrasive Jet Machining, Mechanics of AJM-process parameters &	ME803AMTW03D17022 IL15				Manufacturing Science, Ghosh & Malik, East		17/2	5	/
1	Feb	1	1	Machining parameters.	ME803AMTW03D18022 IL16		AMT_CS_V _06		West Press.Pg.279- 310		18/2		









WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refreine Book - Chapter no. Page no,edition. No	link for quiz or poli	Completion Date	Assignment/Tu torial Date	AC's sign
					ME803AMTW03D19022 1L17				o		19/2)
					ME803AMTW03D20022 1L18						20 2		
					ME803AMTW04D22022 1L19	AMT_CS_p pt_04					22/2		
					ME803AMTW04D23022 1L20		AMT_CS_V_0 7				23/2		MA
	22 Feb -27		-	Ultrasonic Machining process,	ME803AMTW04D24022 1L21				Manufacturing Science, Ghosh		24/2		10
4	Feb	6	П	mechanics, process parameters & control, effect of USM on materials. Water Jet Machining.	ME803AMTW04D25022 1L22				& Malik, East West Press. Pg. 312-329		25/2		
			18	materials. Water set Materials	ME803AMTW04D26022 1L23				312-329		26/2		
	1				ME803AMTW04D27022 1L24						27/2		
					ME803AMTW05D01032 1L25	AMT_CS_p pt_05					113	1/3/21	
					ME803AMTW05D02032 1L26		AMT_CS_V _08				2/3		
	1 Mar - 6			Electro-Chemical Machining:	ME803AMTW05D03032 1L27		AMT_CS_V _09		Manufacturing Science, Ghosh		3 3		
5	Mar	6	III	Electrochemistry of ECM. Electrochemical Grinding.	ME803AMTW05D04032 1L28				& Malik, East West Press.Pg.379- 410		413		
			1	C D	ME803AMTW05D05032 1L29				1 1ess.1 g.37 9- 410		5/3		6
		5/10		(4)	ME803AMTW05D06032 1L30						6 3		100
	1 1 1 1 1 1				ME803AMTW06D08032 1L31	AMT_CS_p pt_06		4.000			8/3		1907
					ME803AMTW06D09032		AMT_CS_V _10				9/3		9
	8 Mar -13			Electric Discharge Machining, Electron	ME803AMTW06D10032 1L33				Manufacturing Science, Ghosh		10 3		
6	Mar	6	Ш	Beam, Laser Beam and Plasma Arc Machining	ME803AMTW06D11032		AMT_CS_V _11		& Malik, East West Press.pg. 379-410		11/3		
			100		ME803AMTW06D12032				379-410		12/3		
					ME803AMTW06D13032 1L36						13 3		
7	15 Mar - 20 Mar						S	essional 1					









VEEK No.	Week	No. Of Lect.	Un No		Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Re te Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				1		ME803AMTW08D22032 1L36	AMT_CS_p pt_07					22/3		1
				1		ME803AMTW08D23032 1L37		AMT_CS_V_1 2		Textbook of		23 3		
	22 Mar -	27	1			ME803AMTW08D24032 1L38		AMT_CS_V_1 3		Production Engineering,		24/3	24/3	4
8	Mar	6		IV	Electric Resistance welding, Oxyacetylene pressure welding,	ME803AMTW08D25032 1L39				P.C. Sharma, S. Chand & Co.		25 3		G
1	1		1	13		ME803AMTW08D26032 1L40				Pg.310-356		26/3		
					126	ME803AMTW08D27032						27/3		19
				13	13	ME803AMTW09D29032 1L42	AMT_CS_p pt_08					29 3		
					100	ME803AMTW09D30032 1L43				Textbook of		30/3		
	29 M	r-3			Laser Beam welding, Electron Beam welding, Plasma Arc	11 44		AMT_CS_V _14		Production Engineering,		31/3		
	9 Ap		6	IV	welding, Atomic Hydrogen welding & Submerged Arc welding, Stud welding.	ME803AMTW09D01042				P.C. Sharma, S. Chand & Co.		114		
					The state of the s	ME803AMTW09D02042 1L46				Pg.358-385		2/4		
1						ME803AMTW09D03042 1L47						3/4		
1	0 5 Apr			130	3/5/2 19 45 19				RE-Test					
					10	ME803AMTW11D12042	AMT_CS_p pt_09					12/4	0)
18	9/				3/7	ME803AMTW11D13042				Textbook of		13/4		00
14	1/2				Solid Phase welding techniques such	ME803AMTW11D14042		AMT_CS_V _15		Production Engineering, P.C.		14/4		190
1	1 12 A ₁		5	V	as Ultrasonic welding, Friction welding,	ME803AMTW11D15042				Sharma, S. Chand & Co. Pg. 392-		15/4		10
					>f-8	ME803AMTW11D16042				427		16 4		
						ME803AMTW11D17042						17/4		J

Faculty in Charge







Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refr Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
			The state of the s	1L54	10	AMT_CS_V_1				19/4		1
		1	1860 Annie	ME803AMTW12D20042 1L55		100000				20/4		
19 April -	119	v	with recent development in Welding,	ME803AMTW12D21042 1L56	Mark and			Textbook of Production		21/4		
24 April	0		Traditional processes for welding.	ME803AMTW12D22042 1L57				Sharma, S. Chand		22/4		60
			A	ME803AMTW12D23042 1L58				CO. 1 g. 130 177		23/4		b/a
				ME803AMTW12D24042 1L59						2414		
			194	ME803AMTW13D26042 1L60	AMT_CS_p pt_11					26 4		
		1000	108	ME803AMTW13D27042 1L61		AMT_CS_V 17		Advanced		28/4		
26 April - 1		VI	Advance casting process: Metal mould casting, continuous casting,	ME803AMTW13D28042 1L62				Machining Processes, V.K.		28 4	The state of	
May		*1	squeeze casting, vacuum mould casting,	ME803AMTW13D29042 1L63				Jain, Allied Publishers.		2914		
	1000	1	SIS	ME803AMTW13D30042 1L64				Pg.254 - 276		115		
			N. S. L.	ME803AMTW13D01052 1L65								
	1			ME803AMTW14D03052 1L66		AMT_CS_V _18				3 5		q
			C. T. C.	1L67	Anna Maria	AMT_CS_V _19		Advanced		4/5		4
3 May - 8		W	evaporative pattern casting, ceramic	1L68	pt_12			Machining Processes, V.K.		55		1 AM
May		VI	shell casting, centritugal casting,	ME803AMTW14D06052 1L69				Publishers.		615		V
1	1		Man	ME803AMTW14D07052 1L70				Pg.254 - 276		4 5		Y
			100	ME803AMTW14D08052 1L71						8 5		
	19 April - 24 April - 26 April - 1 May	19 April - 24 April - 6 26 April - 1 May 6	19 April - 6 V 26 April - 1	Priction welding with recent development in Welding, Economics and application of Non-Traditional processes for welding. Advance casting process: Metal mould casting, continuous casting, squeeze casting, vacuum mould casting, and casting, squeeze casting, ceramic shell casting, centrifugal casting, slush casting.	19 April	19 April	19 April	No. Of Lett. No. Exact Topic Name & Subtopic Topic ID PPt ID Video ID Ink Teaching Aid	No. Of Unit	No. Of	No. of Unit Unit Exact Topic Name & Subtopic Topic ID PPt ID Video ID Ink Taching Chapter no. Page Ink for quiz or poll Completion Date D	No. Of Unit Exact Topic Name & Subtopic Topic ID PP1 ID Video ID Video ID Ink For quiz or poil Completion Date Nasignment/Turbit Nasignment/Turbi

Sub. Teacher

AC



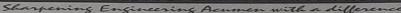








Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference





CCOEW/ MECH / 20-21

Date: 30 / 07 2020

1					CUMMINS COLLEGE OF	ENGINEERING FOI	R WOMEN, NAC	SPUR						
-			illesh	N. Khekale					Subject: Manufacturing	SEM -OD	D (2020-21)		Sem	n:- III
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no.	Completio n Date	Assignment Date	Tutori al date	HOD's remark	Principal
	10			Introduction to casting.	ME304MPW01D100820L01	MP_ME_ppt_01	MP_ME_V_U	Activity of	Science - Ghosh &	1	1			
1	August-	150	1	Pattern and it's types.	ME304MPW01D110820L02	MP_ME_ppt_01		pouring wax	Malik (37-97): 2)			1200		E 3 (1)
1	14	5	1	Pattern making and Materials for pattern	ME304MPW01D120820L03	MP_ME_ppt_01		and pouring of water for ice	Workshop	tool		1		
	August	13	18	Pattern making allowances and Color codes	ME304MPW01D130820L04	MP_ME_ppt_01		making	Technology (Volume I)- Haira Chaudhary	1 131	•			
		4		Core making and types of core. Core material & its	ME304MPW02D140820L05	MP_ME_ppt_01			1) Hajra Chaddhary)			-	
		1		Moulding and it's types like sand moulding.	ME304MPW02D170820L06	MP_ME_ppt_01	MP_ME_V_U	Activity to	Science - Ghosh &					
1	17			Sand composition, Moulding sand properties.	ME4MPW02D180820L07	MP_ME_ppt_01		(sand and clay)	Malik [37-97]; 2)	(100
2	August-	5	1&	Moulding machines, Shell moulding, CO2 moulding.	ME304MPW02D190820L08	MP_ME_ppt_01	MP_ME_V_U	moulding	Workshop	2018		138		
	August	13.00		Gating System and Elements of gating systems	ME304MPW02D200820L09	MP_ME_ppt_01			Technology (Volume 1)- Hajra Chaudhary	100				1000
			-	Gating design. Pouring equipments, Riser design	ME304MPW02D210820L10	MP_ME_ppt_01			1) Manufacturing				FLE	
100	-	-		Sand mould casting	ME304MPW03D240820L11	MP_ME_ppt_01	MP_ME_V_U		Science - Ghosh &	1		-		
		166		Mening rumaces - Types. Electric turnace, induction	ME4MPW03D250820L12	MP_ME_ppt_02			Malik [37-97]; 2)					1
-	24Augu st-29	6	2	Cupola construction & operation.	ME304MPW03D260820L13	MP_ME_ppt_02			Workshop	1	100			1
3	August	0	2	Types of Casting Processes, Special casting processes	ME304MPW03D270820L14	MP_ME_ppt_03			Technology (Volume	126/8		-		1
-	1102001	1500	1	Centrifugal casting and types	ME304MPW03D280820L15	MP_ME_ppt_03	MP_ME_V_U		I)- Hajra Chaudhary [306-425];					
-				Slush and Die Casting.	ME304MPW03D290820L16	MP_ME_ppt_03		10000	3)Manufacturing		Bank B	1		
	1000	96		Cleaning, inspection	ME304MPW04D310820L17	MP_ME_ppt_03			1) Manufacturing)		-	DE-	1
	31	1		casting defects and	ME304MPW04D010920L18	MP_ME_ppt_03			Science - Ghosh &					1000
	August-		2&	Foundry mechanizing	ME304MPW04D020920L19	MP_ME_ppt_03			Malik [2) Workshop Technology (Volume					-
4	05	6	3	Introduction to metal Joining	ME304MPW04D030920L20	MP_ME_ppt_04			I)- Hajra Chaudhary	1219		1		1000
	Septe.	1	- 3	Are weiging Processes, Electrodes, Weigability of	ME304MPW04D040920L21	MP_ME_ppt_04	REAL PROPERTY.	1 - 3	3)Manufacturing	1			1	1
		1		Weiding equipments. Fixtures, Gas weiding	ME304MPW04D050920L22	MP_ME_ppt_04			Technology- P.N.Rao	P		1	-	











CCDEW/ MECH / 20-21

Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



					LESSO	N & TEACHING PL	AN	32.266					1	
					CUMMINS COLLEGE OF	ENGINEERING FO	R WOMEN, NA	GPUR						
Facul		1	ailesh	N. Khekale					Subject: Manufacturing	SEM -OD	D (2020-21)		Sem	n:- III
K No.	Week	No. Of Lect	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no.	Completion n Date	Assignment Date	Tutori al date	HOD's remark	Principa
				TIG Welding, MIG Welding	ME304MPW05D070920L23	MP_ME ppt 04	MP_ME_V_0		1) Manufacturing	1			D DOSS	1
		1	1	Solid state welding,	ME304MPW05D080920L24	MP ME ppt 04	MP_ME_V_U		Science - Ghosh & Malik 2) Workshop			-		
5	07-12	5	3	Thermit welding	ME304MPW05D090920L25	MP_ME_ppt_04			Technology (Volume	7.		163		
	Septe		-	Electroslag welding	ME304MPW05D100920L26	MP_ME_ppt_04			1)- Hajra	99				
		1		Spot Welding.	ME304MPW05D110920L27	MP_ME_ppt_04			Chaudhary3)Textbook	111)				
				Defects & Inspection of Welding Joints.	ME304MPW05D120920L28	MP_ME_ppt_04			of Production)			F	
				Roung and if types, Determination or Roung	ME304MPW06D140920L28	MP_ME_ppt_05	MP_ME_V_U	Analysis of	Engineering - P.C. 1) Production)				
	100		1	rouning and its types, Determination of Rolling	ME304MPW06D150920L29		Wh WE A		Technology -R. K. Jain 2) Production	1				
5	14-19	6	4	Extrusion and it's types	ME304MPW06D160920L30	MP_ME_ppt_05	MP_ME_V_I	Activity to	Engg P.C.Sharma	5.				- 25
	Septe.	1		Forging and Determination of forging forces and	ME304MPW06D170920L31	MP_ME_ppt_05		understand	3)Non-Conventional	1669				
	1			Drawing and it's types	ME304MPW06D180920L32	MP_ME_ppt_05	MP_ME_V_I	extrusion	Manufacturing Processes, H.S. Shan,					7 3 4
7				Applications of forming proceses	ME304MPW06D190920L33	MP_ME_ppt_05			4) Soft notes from IIT					
7	21-25 Septe				Sessional - I									
				Introduction to Press Working	ME304MPW08D280920L34	MP_ME_ppt_06			Science - Ghosh &)				
	28			Classification of Press Working Equipment (hammer/press) capacity required.	ME304MPW08D290920L35	MP_ME_ppt_06			Malik 2) Workshop Technology (Volume	4				
18	Sept-	5	5	Types of presses and Press terminology	ME304MPW08D300920L36	MP_ME_ppt_06			I)- Hajra Chaudhary3)Textbook	12/18				
	03 Oct.			Types of dies, Die and punch allowance	ME304MPW08D011020L37	MP_ME_ppt_06			of Production Engineering - P.C.					
				Force analysis in press, Die cutting operation	ME304MPW08D031020L38	MP_ME_ppt_06			Sharma, 4) Soft notes					
				Drive force and torque, power loss in bearing	ME304MPW09D051020L39	MP_ME_ppt_06			1) Manufacturing				1	
				Introduction to shaping operations	ME304MPW09D061020L40	MP_ME_ppt_06			Science - Ghosh & Malik 2) Workshop					
	05 Oct.			Introduction to bending operations	ME304MPW09D071020L41	MP_ME_ppt_06			Technology (Volume I)- Hajra	1				
9	10 Oct.	5	5	Introduction to forming operations	ME304MPW09D081020L42	MP_ME_ppt_06			Chaudhary3)Textbook of Production	(7)	.0			
				Introduction to drawing operations	ME304MPW09D091020L43	MP_ME_ppt_06			Engineering - P.C. Sharma, 4) Soft notes					
			-	Types of drawing operations	ME304MPW09D091020L44	MP_ME_ppt_07			from IIT Kharagpur	/				











CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ME/ 20-21

LESSON & TEACHING PLAN

Date: 5/08/2020

					Departn	nent of Mechani	cal Engine	eering					
acult	y Name: Pro	of. Pras	sanna l	Mahankar		Les Francis			Subject: Heat Transfer		SEM: V (2	(020-21)	
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	Link for quiz or poll	Completion Date	Assignment/T utorial Date	HOD's sign
		Lect.		Introduction to basic modes of heat transfer, conduction, convection & radiation.	ME5HT5W1D100820L01	нт_нт_01					1018120		
				Laws of heat transfer & conservation of energy requirement.	ME5HT5W1D110820L02	HT_HT_01		http://htv- au.vlabs.ac.in/Heat Transfer_by_Conduc	Heat & Mass Transfer by R.K.	https://forms.gle/Hu4hvn	1118120		
	10 - 14 Aug 20	5	1	General heat conduction equation in cartesian,	ME5HT5W1D120820L03	HT_HCE_02			Rajput. Ch. 1 & 2, Page 1-24, 27-37, 5th Edition	Rz5Pv4ix6Y8	1218120		
		1	1	Cylindrical and spherical coordinates.	ME5HT5W1D130820L04	HT_HCE_02	Conductio		Stri Edition		13/8/20		
				Numerical	ME5HT5W1D140820L05	HT_N_C_03					[918] 20		
				One dimensional steady state heat conduction equation for the plane wall,	ME5HT5W2D170820L06	HT_1D_04					1718120		
			1000	cylinder and sphere,	ME5HT5W2D180820L07	HT_1D_04			Heat & Mass		18/8/20		
2	17- 21 Au	g 5	1	overall heat transfer coefficient. Thermal resistance of composite structure,	ME5HT5W2D190820L08	HT_1D_04			Transfer by R.K. Rajput, Ch. 2, Page 35-132, 5th	https://forms.gle/Hu4hvn Rz5Pv4ix6Y8	1918120		
	20			Numerical	ME5HT5W2D200820L09	HT_N_1D_05			Edition		20(8)20		-
		1		Numerical	ME5HT5W2D210820L10	HT_N_1D_05					2118120		
1				Unit I : contact resistance, variable thermal conductivity,	ME5HT5W3D240820L11	HT_VC_06					24/8/20		
1			1	Unit 2 : Conduction with internal heat	ME5HT5W3D250820L12	HT_IHG_07			Heat & Mass Transfer by R.K.		25/8/20		
1	24 - 29	5	181	generation for plane wall, I cylinder and sphere.	ME5HT5W3D260820L13	HT_N_IHG_08	18 38 8		Rajput, Ch. 2, Page	https://forms.gle/Hu4hvr Rz5Pv4ix6Y8	26/8/20		
-	Aug 20	1	1	Numerical	ME5HT5W3D270820L14	HT_N_IHG_08			142-200, 5th Edition		27/8/2		-
1				Numerical	ME5HT5W3D280820L15	HT_N_IHG_08					28/8/5	0	
-				Extended surface, types of fins. Fins of uniform	MESHT5W4D310820L16	HT_FIN_09					29/8/2	8	
1				cross section area, temperature distribution,	MESHTSW4D020920L17	HT_FIN_09			Heat & Mass Transfer by R.K.		31/8/20	3	-
	1 Aug - 5 Sept. 20	5		heat transfer rate, fin efficiency & effectiveness Error in temperature measurement.	ME5HT5W4D030920L18	HT_FIN_09	HT_FIN_	V	Rajput, Ch 2, Pag 203-250, 5th	e https://forms.gle/Hu4hr Rz5Pv4ix6Y8	119120		
1	Sept. 20			Numerical	ME5HT5W4D040920L19	HT_N_FIN_10			Edition		21112	0	-
-				Numerical	ME5HT5W4D050920L20	HT_N_FIN_10					31912	0	
-				Unsteady state heat transfer, lumped heat	ME5HT5W5D070920L21	HT_USH_11			1				

Faculty in Charge

HOD GOD





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	Link for quiz or poll	Completion Assignment/T utorial Date	HOD's sign
			1	capacity analysis,	ME5HT5W5D080920L22	HT_USH_11			Heat & Mass		4/4/20	
	7 -12 Sept.			Heisler's charts. Biot Number, Fourier's	ME5HT5W5D090920L23	HT_USH_11			Transfer by R.K. Rajput, Ch. 4, Page	https://forms.gle/Hu4hvn	519120	
	20	6	11	Number & its significance. Tutorial	ME5HT5W5D100920L24	HT_USH_11			290-336, 5th	RzSPv4ix6Y8	719120	
				Numerical	ME5HT5W5D110920L25	HT_N_USH_12			Edition		819120	
i				Unit III Forced and Free Convection	ME5HT5W5D120920L26	HT_CONV_13						
				Concept of hydrodynamics & thermal boundary layer thickness,	ME5HT5W6D140920L27	HT_CONV_13		http://htv- au.vlabs.ac.in/heat- thermodynamics/Ne	Heat & Mass		919120	
			1	local and average heat transfer coefficient.	ME5HT5W6D150920L28	HT_CONV_13			Transfer by R.K.	https://forms.gle/Hu4hvn	10/9/20	
	14-19 Sept. 20	4	111	physical significance of non-dimensional parameter.	ME5HT5W6D160920L29	HT_CONV_13			Rajput, Ch.7, Page 373 -492, 5th Edition	Rz5Pv4ix6Y8	1119/20	
				Flow of high, moderate & low Prandtl number, fluid flow over a flat plate.	ME5HT5W6D170920L30	HT_CONV_13			Edition		1419120	
	21-25 Sept						Sessie	onal I				
	- 333		1	Empirical co-relations for external, internal	ME5HT5W7D280920L31	HT_CONV_13	HT_Conve					-
7	28 Sept - 3 Oct	5	111	For Forced: Empirical co-relations for external, internal flows, laminar & turbulent flow through conduits. Unit IV For Free: Empirical Co-relations for cylinders and spheres, heat transfer with phase change,	ME5HT5W7D290920L32	HT_CONV_13		http://htv- au.viabs.ac.in/heat- thermodynamics/He at Transfer by Natu ral Convection/	Heat & Mass Transfer by R.K. Rajput, Ch. 7 & 8,	https://forms.gle/Hu4hvn Rz5Pv4ix6Y8	17/9/170	
				Grashoff's number, Rayleigh number, flow over horizontal and vertical plate,	ME5HT5W7D300920L33	HT_CONV_13			Page 373 -492,		1819120	
				Numerical	ME5HT5W7D011020L34	HT_N_CONV_14					28 9 120	
				Numerical	ME5HT5W7D031020L35	HT_N_CONV_14					28/9/20	
-		-		Numerical	ME5HT5W8D051020L36	HT_N_CONV_14	1000				222	
	1		1	Numerical	MESHT5W8D061020L37	HT_N_CONV_14					29/9/20	
					ME5HT5W8D071020L38	HT_N_CONV_14	-				3019/20	
	5- 10 Oct		111 &	Numerical Dimensional analysis applied to forced	ME5HT5W8D081020L39	HT_CONV_13			Heat & Mass Transfer by R.K. Rajput 506-530,	https://forms.gle/Hu4h	1/10/20	
1	20	6	IV	Pool boiling curve & regimes of pool boiling,	ME5HT5W8D091020L40	HT_CONV_13	HT_PoolE oiling_V4		539-570,5th Edition	Rz5Pv4ix6Y8	3/10/20	
				Film & Drop wise condensation, laminar film condensation on vertical surface, on horizontal tubes, effect of super heated & non- condensable gases on condensation heat	ME5HT5W8D101020L41	HT_CONV_13					5(10/20	
1				transfer Dimensional analysis applied to free or Natural convection.	ME5HT5W9D121020L42	HT_CONV_13		***			6110120	
1	2 - 17 Oct 20	5	IV &	Unit V: Radiation, spectrum of radiation, black body radiation, radiation intensity, laws of radiation-Kirchoffs, Plancks, Weins displacement law. Stefan Boltzmann & Lamberts Co-sine law.	ME5HT5W9D131020L43	HT_R_15	HT_Radii ion_V5	http://htv- at au.viabs.ac.in/heat thermodynamics/E ck. Body. Radiation	Raiput 539-57	K. https://forms.gle/Hu-	7(10/20 8/10/20	









WEE No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	Link for quiz or poll	Completion Date	Assignment/T	HOD's sign
				Emissivity, Absorbtivity, Transmissivity, Reflectivity, Radiosity, Emissive power.	ME5HT5W9D141020L44	HT_R_15			Edition		9/10/20		
				Radiation network, , shape factor & its laws,	ME5HT5W9D151020L45	HT_R_15		http://htv- au.ylabs.ac.in/heat-		1			
				Numerical	ME5HT5W9D161020L46	HT_R_15		au viaus at Jii/iirat	100 100	1000	rolld 20		
				Radiation exchange between parallel plate	ME5HT5W10D191020L47	HT_R_15	9				12/10/20		
			1	Numerical	ME5HT5W10D201020L48	HT_R_15			Heat & Mass	No. of the last of	13/10/20		
12	19 -24 Oct	6	V	Numerical	ME5HT5W10D211020L49	HT_R_15			Transfer by R.K.		15/10/20		
				Heat exchanger: Classification, overall heat	ME5HT5W10D221020L50	FT_HE_16	HT_HE_V6		Rajput Page 688-				1
				LMTD & effectiveness,	ME5HT5W10D231020L51	HT_HE_16			764, 5th Edition		12/10/20		
				Numerical	ME5HT5W10D241020L52	HT_HE_16					19/19/2		-
				Numerical	ME5HT5W11D261020L53	HT_HE_16			A 5 5 5 5		20/10/20		
				NTU method of heat exchanger analysis for parallel,	ME5HT5W11D271020L54	HT_HE_16					21/10/20		
13	26 -31 Oct	6	v	Numerical	ME5HT5W11D281020L55	HT_HE_16			Heat & Mass		0.0100 20		
13	20	0		Counter flow & cross flow arrangement, design aspect of heat exchangers,	ME5HT5W11D291020L56	HT_HE_16			Transfer by R.K. Rajput 574- 669,5th Edition	https://forms.gle/Hu4hvn Rz5Pv4ix6Y8	25/10/20		
				Introduction to compact heat exchanger, Heat Pipe,	ME5HT5W11D301020L57	HT_HE_16					26/10/20		
-				Mass transfer	ME5HT5W11D311020L58	HT_HE_16					2010/2		
17							Session	nal II			-71.		

Faculty in Charge









Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Acumen with a difference



CCC	DEW/Mech/ 2	20-21			LES	SON & TEACH	IING PLAN for	ммм		Date: 8/8/	2020		
						Department of	Mechanical E	Engg.					
Facu	ity Name: Pro	of. Vikram	Dandek	ar	Marie Control		3 3	Sub: MMM			Year:	2020-21	Sem:- 5
WEEI No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
					ME505MMMW01D0808 20L01	MMM_ME_ ppt_01	MMM_ME_ V_01				08/08/20		7
				Purpose, structure and elements of	ME505MMMW01D1008 20L02	ppt_02	MMM_ME_ V_02	Available instrument show and			10/8/20	10/8/20	
	8 Aug - 14			measuring system. Static	ME505MMMW01D1182 0L03	ppt_03	MMM_ME_ V_03	explain how to calibrate	Mechanical Measurement &		11/8/20		10
1	Aug	6	1	system, elements including systematic, statistical characteristics, generalized	ME505MMMW01D1208 20L04	MMM_ME_ ppt_04	MMM_ME_ V_04		Control By Dr. D.S. Kumar Page no 1- 30		12/8/20		1,40
				model of system elements and	ME505MMMW01D1308 20L05	MMM_ME_ ppt_05	MMM_ME_ V_05				13 8		15
					ME505MMMW01D1408 20L06	MMM_ME_ ppt_06	MMM_ME_ V_06				14/8		
					ME505MMMW02D1708 20L07	MMM_ME_ ppt_07	MMM_ME_ V_07				17/8		7
	11/19			calibration. Error measurement, error	ME505MMMW02D1808 20L08	MMM_ME_ ppt_08	MMM_ME_ V_08				18/8		/
2	17 Aug- 22 Aug	6	1	characteristics of measurement		MMM_ME_ ppt_09	MMM_ME_ V_09		Mechanical Measurement & Control By Dr. D.S. Kumar Page no 33-		1918		a
				system. Introduction to noise in measurement system.	ME505MMMW02D2008 20L10	MMM_ME_ ppt_10	MMM_ME_ V_10		149		20 8		(-)
					ME505MMMW02D2108 20L11	MMM_ME_ ppt_11	MMM_ME_ V_11		13 6 3		21/8		
					ME505MMMW02D2208 20L12	MMM_ME_ ppt_12	MMM_ME_ V_12				22/8		









WEEK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
					ME505MMMW07D2109 20L31	MMM_ME_ ppt_31	MMM_ME_ V_31				21/9		7
				Standards of Measurement, Line, End and Wavelength standard. Working	ME505MMMW07D2209 20L32		MMM_ME_ V_32				22 9		
7	21 Sept-26	6	4	standards Requirement of	ME505MMMW07D2309 20L33		MMM_ME_ V_33		Mechanical Measurement &		23 9		
/	Spt			Tolerance, Selective assembly. Measurement of Straightness and	ME505MMMW07D2409 20L34	MMM_ME_ ppt_34	MMM_ME_ V_34		Control By Dr. D.S. Kumar		24/9		
				Flatness.	ME505MMMW07D2509 20L35		MMM_ME_ V_35				25 9		
					ME505MMMW07D2609 20L36		MMM_ME_ V_36				26 9		16
1					ME505MMMW08D2809 20L37	MMM_ME_ ppt 37	V 37				28 4		119
1				Instruments for Linear and Angular	ME505MMMW08D2909 20L38 ME505MMMW08D3009	ppt 38	V 38		Mechanical		29 9		19
	28 Sep - 3 Oct	6	4	Measurement (Vernier, Angle gauge, Sine bar, Level indicator, Clinometers	20L39	ppt 39	V 39		Measurement & Control By Dr. D.S.		30 9		
1				and Taper gauge)	20L40 ME505MMMW08D0210	ppt 40	V 40		Kumar		01 10		J
1					920L41 ME505MMMW08D0310						3/10		1
1					20L42 ME505MMMW09D0510 20L43	ppt 42 MMM_ME_ ppt_43	V 42 MMM_ME_ V 43				5/10		1
1					ME505MMMW09D0610		-				6/10	6 10	
1	5 Oct - 10			Limits and Fits, Tolerance analysis of	ME505MMMW09D0710		MMM_ME_ V_45		Mechanical Measurement &		7/10		Da
1	Oct	6	5	Limits and Fits, Types of limit gauges,	ME505MMMW09D0810 20L46	-	MMM_ME_ V_46		Control By Dr. D.S. Kumar		8/10		1400
					ME505MMMW09D0910 20L47	MMM_ME_ ppt_47	MMM_ME_ V_47		and the		9/10		A
					ME505MMMW09D1010 20L48	MMM_ME_ ppt_48	MMM_ME_ V_48				10/10		



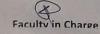






WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's s	sign
			1000		ME505MMMW10D1210 20L49	MMM_ME_ ppt 49	MMM_ME_ V 49			S-SHAWN	12/10		1	
					ME505MMMW10D1310		MMM_ME_						-	
	89999	10000		Types of fit, Shaft and	20L50	ppt_50	V_50				13 10			
	12 Oct -17			Hole basis system, Design of Limit	ME505MMMW10D1410 20L51	MMM_ME_ ppt 51	MMM_ME_ V 51		Mechanical		14/10			
10	Oct	6	5	gauge and Process planning sheet (Numerical treatment is	ME505MMMW10D1510		MMM_ME_		Measurement & Control By Dr. D.S.				\rightarrow	
		1955		expected).	20L52	ppt 52	V 52		Kumar		15/10			
			1000	enpected).	ME505MMMW10D1610									
			10.3		20L53 ME505MMMW10D1710	ppt_53	V 53				16 10			
					20L54	ppt 54	V 54	100 100 100 100			17/10			0
			199		ME505MMMW11D1910	MMM ME	MMM ME						- 1	
			1000		20L55	ppt 55	V 55				19/10			
	55 30	100			ME505MMMW11D2010 20L56			1000			20/10			
	0.00	13/23		Comparators: Mechanical, Optical,	ME505MMMW11D2110	ppt 56 MMM ME	V 56 MMM ME				1			
	19 Oct -24			Electrical, Electronic, Pneumatic.	20L57	ppt 57	V 57		Mechanical Measurement &		21 10			
11	Oct	6	6	Study and use of Ontical profile	ME505MMMW11D2210 20L58				Control By Dr. D.S.		22/10	22/10/20		
				projectors,	ME505MMMW11D2310	ppt 58 MMM ME	V 58 MMM MF		Kumar			2011		A
		10			20L59	ppt 59	V 59				23/10		1	12
					ME505MMMW11D2410 20L60	MMM_ME_ ppt_60	MMM_ME_ V_60				24/10			9
					ME505MMMW12D2610		MMM_ME_							1
		6.30	0		20L61	ppt_61	V_61				26 10			
						ppt_62	V_62				27/10			
12	26 Oct - 31	6	6	Tool maker's microscope and Autocollimator.		MMM_ME_ ppt_63	MMM_ME_ V_63		Mechanical Measurement &		28/10			
	Oct			Measurement of Screw thread and Gear tooth.		MMM_ME_ ppt_64	MMM_ME_ V_64		Control By Dr. D.S. Kumar		29/10			П
					ME505MMMW12D3010 20L65	MMM_ME_ ppt_65	MMM_ME_ V_65				30/10		1	
					ME505MMMW12D3110	Name and Address of the Owner, where the Owner, which is the O	MMM_ME_ V_66				31/10		/	

Sub. Teacher Ac











CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Cummins

CCOEW/ME/ 20-21

LESSON & TEACHING PLAN

Date: 5/08/2020

					Department	of Mechanic	al Engine	ering					-
culty	Name: P o	f. Pras	anna l	Mahankar					Subject: 410a t Teansfer	Energy Convenion II	SEM: VII	(2020-21)	
ÆEK No.	Week	No. Of Lect.	Unit No.	1000	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Pag= no, edition. No	Link for quiz or poll	Completion Date	Assignment/T utorial Date	HOO's sign
		Lecti		internal Combustion Engines: Introduction, classification, components of I.C.Engines, working of four stroke S.I.	ME7ECII7W1D100820L01	EC2_ICE_1	EC2_ICE_ V1				10/8/2	P	
100				working of two stroke and four stroke C.I. Engines,	ME7ECII7W1D110820L02	EC2_ICE_1	EC2_45 an25_V2				1118120		
1	10 - 14	5	III	valve and port timing diagram. Advantages and disadvantages, applications.	ME7ECII7W1D120820L03	EC2_ICE_1	EC2_VT_V 3		IC Engine by V. Ganesan, Ch. 1, Pages 1-42, 4th	https://forms.gle/hPhugl	121812	ø	
	Aug 20			Combustion in S. I. Engine, stages of combustion, ignition lag, detonation.	ME7ECII7W1D130820L04	EC2_ICE_1	EC2_Co mb_V4	https://vcal- iitk vlabs.ac.in/list.ht ml	Edition		13 8 2	D	
				Combustion in C. I. Engine, stages of combustion, delay period, diesel knock, abnormal combustion in S.I. and C.I. engines, detonation and knocking	ME7ECII7W1D140820L05	EC2_ICE_1	EC2_CO MB_V5				16191	28	
				Fuel supply to S. I. Engine, carburetion, simple carburetor, components, operation	ME7ECII7W2D170820L06	EC2_ICE_1	EC2_Fuei V6				1018	120	
				MPFI. Fuel supply to C. I. Engine,	ME7ECII7W2D180820L07	EC2_ICE_1	EC2_MPI	1			18/2	120	
2	17- 21 Aug	5	III &	air injection system, solid injection, fuel pump & fuel injector.	ME7ECII7W2D190820L08	EC2_ICE_1	EC2_Inje _V8	ct	IC Engine by V Ganesan, Ch. and 11, Pages 189-23 323-355, 4th	https://forms.gle/hPh 8, 11XaoLUJXm6	urk 1911	1120	
	20			Unit 4 Testing of I. C. Engines:- Performance parameters, measurement of indicated, friction & brake power, measurement of speed, fuel & air consumption,	ME7ECII7W2D200820L09	EC2_ICE_2			Edition		201	8120	
-				calculation of indicated & brake thermal efficiency, volumetric efficiency, relative efficiency and mechanical efficiency, percentage of excess air.	ME7ECII7W2D210820L10	EC2_ICE_2					211	8120	
1				Numerical	ME7ECII7W3D240820L11	EC2_ICE_2	2	1 - 3 -			20	18/20	
				Heat balance sheet, exhaust gas calor meter, exhaust analysis.	ME7ECH7W3D250820L12	EC2_ICE_	2				2	118120	

Faculty in Charge

HOD





WEEK No.	Week	No. Of	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No IC Engine by V.	Link for quiz or poll		gnment/T rial Date	HOD's sign
3	24 - 29 Aug 20	Lect.	1811	Numerical	ME7ECII7W3D260820L13	EC2_ICE_2			Ganesan, Ch. 8 & 9, Pages 241-287. Ch. 15, Pages 457-	https://forms.gle/hPhugk 11XaoLUJXm6	2518120		
	Aug 20			Numerical	ME7ECII7W3D270820L14	EC2_ICE_2			571, 4th Edition		26/8/20		
				performance characteristics, factors influencing the performance of I.C. engines, performance analysis of single and multi cylinder I. C. engines	ME7ECI17W3D280820L15	EC2_ICE_2					2/18/20		
				performance analysis of single and multi cylinder I. C. engines	ME7ECII7W4D310820L16	EC2_ICE_2					28/8/20		
				Numerical	ME7ECII7W4D020920L17	EC2_ICE_2					29/8/20		
		Aug - 5 5 1 .	Numerical	ME7ECII7W4D030920L18	EC2_ICE_2			Thermal Engineering, R. K Rajput	incress/frommasking	31/8/20)		
4	31 Aug - 5 Sept. 20	5	ı	Air Compressors: Introduction, classification, applications. Positive displacement Compressors:- Reciprocating compressors: - Construction and working, isothermal, polytropic & adiabatic compression process,	ME7ECII7W4D040920L19	EC2_Compressor_1	EC2_Con pressor_'		Pages 676-717, 9th Edition	11XaoLUJXm6	119/20		
				Reciprocating Air Compessor : Work done with and without clearance, P-V diagram, volumetric efficiency,	ME7ECII7W4D050920L20	EC2_Compr ssor_1	EC2_Cor pressor_ 10				219120		
				effect of clearance, isothermal efficiency,	ME7ECH7W5D070920L21	EC2_Compr	e				3/9/20		
				Numerical	ME7ECII7W5D080920L22	EC2_Compr	e				419120		
-				methods for improving isothermal efficiency, volumetric efficiency, mechanical efficiency,	ME7ECII7W5D090920L23	EC2_Compr	e		Thermal Engineering, R Rajput	nttps://lottiis.gie/tir			
1	7 -12 Sept. 20	6	11	Numerical	ME7ECI17W5D100920L24	EC2_Compossor_1	e		Pages 676- 717,9th Editi		7/9/2	0	
-		,	Multistage compression, intercooling, condition for minimum work input	ME7ECII7W5D110920L25	EC2_Comp ssor_1	re EC2_Co				8/9/2	The same		
-				Numerical	ME7ECII7W5D120920L26	EC2_Comp ssor_1	re				quali	20	
1		1		Numerical	ME7ECI17W6D140920L27	EC2_Comp	re						

Faculty in Charge

HOD







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Acamen with a difference



CCOEW/Mech/ 20-21

LESSON & TEACHING PLAN for MHS

Date: 8/8 / 2020

		_				Department o	f Mechanical	Engg.					
Facul	ty Name: Pro	of. Vikram	Dandek	ar				Sub: MHS			Year:	2020-21	Sem:- 7
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
					ME702MHSW01D08082 0L01	pt_01	V_01				8)8		7
				Elements of Material Handling	ME702MHSW01D10082 0L02	pt_02	V_02	materiaal handling			918		
	8 Aug - 14			System:- Importance, terminology, objectives	ME702MHSW01D11820 L03	MHS_ME_p pt_03	MHS_ME_ V_03	videos and PPT presentation	Material Handling		1018		
1	Aug	6	1	and benefits of better Material Handling, Principles and	ME702MHSW01D12082 0L04	MHS_ME_p pt_04	MHS_ME_ V_04		Equipments, N. RudenkoPage no 1- 30		1118		la
				features of Material Handling System	ME702MHSW01D13082 0L05	MHS_ME_p pt_05	MHS_ME_ V_05				12/3	simpletion Assignment/Tu torial Date AC's sign at the last at the	
					ME702MHSW01D14082 0L06	MHS_ME_p pt_06	MHS_ME_ V_06				1318	13\8	
					ME702MHSW02D17082 0L07	MHS_ME_p pt_07	MHS_ME_ V_07				17/8		5
				Interrelationships between material	ME702MHSW02D18082 0L08	MHS_ME_p pt_08	MHS_ME_ V_08				18/8		
2	17 Aug- 22 Aug	6	1	handling and Plant layout, physical facilities and other organizational functions;	ME702MHSW02D19082 0L09	MHS_ME_p pt_09	MHS_ME_ V_09	Plant layout system video	Material Handling Equipments, N. RudenkoPage no 33-		19/3		()
				Classification of Material Handling equipments	ME702MHSW02D20082 0L10	MHS_ME_p pt_10	MHS_ME_ V_10		149		20 8		190
	1			1000	ME702MHSW02D21082 0L11	pt_11	V_11				21/8		
					ME702MHSW02D22082 0L12	MHS_ME_p pt_12	MHS_ME_ V_12	7 7 5 18			22/8		









WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
					ME702MHSW03D24082 0L13	MHS_ME_p pt_13	MHS_ME_ V_13				2418		7
				Selection of Material Handling	ME702MHSW03D25082 0L14	MHS_ME_p pt_14	MHS_ME_ V_14	Showing available			25/8		
3	24 Aug-29	6	2	Factors affecting for selection, Material Handling equation, choices	ME702MHSW03D26082 0L15	MHS_ME_p pt_15	MHS_ME_ V_15	Pressure Measuring instruments	Material Handling Equipments, N.		2618		10
,	Aug			of Material Handling equipment, general analysis procedures, basic analytical	ME702MHSW03D27082 0L16	MHS_ME_p pt_16	MHS_ME_ V_16		Rudenko		27/8		1/900
				techniques;	ME702MHSW03D28082 0L17	MHS_ME_p pt_17	MHS_ME_ V_17				28 3		10
					ME702MHSW03D29082 0L18	MHS_ME_p pt_18	MHS_ME_ V_18				2918		
4	1 Sept-7 Spt						Session	al I					
1					ME702MHSW05D07092 0L19	MHS_ME_p pt_19	MHS_ME_ V_19	131-23			719		1
1				the unit load concept, selection of suitable types of systems for	ME702MHSW05D08092 0L20	MHS_ME_p pt_20	MHS_ME_ V_20				819		
	7 Sept-12			applications, activity cost data and economic analysis for design of	ME702MHSW05D09092 0L21	MHS_ME_p pt_21	MHS_ME_ V_21		Material Handling Equipments, N.		919		
5	Spt	6	2	components of Material Handling Systems, functions and parameters	ME702MHSW05D10092 0L22	MHS_ME_p pt 22	MHS_ME_ V_22		Rudenko		1019		
				affecting service, packing and storage of materials.	ME702MHSW05D11092 0L23	MHS_ME_p pt_23	MHS_ME_ V_23				11)9		
					ME702MHSW05D12092 0L24	MHS_ME_p pt_24	MHS_ME_ V_24				12 9		
					ME702MHSW06D14092 0L25	MHS_ME_pt_25	MHS_ME_ V_25				1419	1419	LA
				Design of Mechanical Handling Equipments	ME702MHSW06D15092 0L26	MHS_ME_p pt_26	MHS_ME_ V_26		1 4 1 4 1 4 1		1519		100
	14 Sept-19			[A] Design of Hoists - Drives for hoisting, components, and hoisting mechanisms, rail traveling	ME702MHSW06D16092 0L27	MHS_ME_p pt_27	MHS_ME_ V_27		Material Handling		16 9		10
6	Spt	6	3	components and mechanisms, hoisting gear operation during	ME702MHSW06D17092 0L28	MHS_ME_p pt_28	MHS_ME_ V_28		Equipments, N. Rudenka		1719		
	1 343			transient motion, selecting the motor rating and determining breaking	ME702MHSW06D18092 0L29	MHS_ME_p	MHS_ME_ V_29		100		1819	14)9	
				torque for hoisting mechanisms.	ME702MHSW06D19092 0L30	MHS_ME_p	MHS_ME_ V 30		100		19/9		









WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				[B] Design of Cranes:- Hand-	ME702MHSW07D21092 0L31	MHS_ME_p pt_31	MHS_ME_ V_31				21 9		
				propelled and electrically driven EOT overhead traveling cranes;	0L32	pt_32	V_32				22/9		
7	21 Sept-26	6	3	and monorail cranes; design	ME702MHSW07D23092 0L33	pt_33	V_33		Material Handling Equipments, N.		23/9		
	Spt			considerations for structures of rotary Cranes with fixed radius, fixed post and overhead traveling cranes;		pt_34	V_34		Rudenko		2419		
				Ctability of stationers	ME702MHSW07D25092 0L35	pt_35	V_35				25/9		
					ME702MHSW07D26092 0L36 ME702MHSW08D28092	pt 36	V 36				2619		0
	o 28 Sep - 3			Design of load lifting attachments:-	0L37 ME702MHSW08D29092	pt 37	V 37				2814	2819	
				Load chains and types of ropes used in Material Handling System; Forged, Standard and Ramshorn	0L38	pt 38 MHS_ME_p	V 38 MHS_ME_	MHS_ME_ Material Handling	3019		R		
8	Oct	6	4	Grab Buckets; Electromagnet; Design	ME702MHSW08D01102 0L40	MHS_ME_p pt 40	MHS_ME_ V 40		Equipments, N. Rudenko		3 10		10
					ME702MHSW08D02109 20L41 ME702MHSW08D03102	MHS_ME_p pt 41 MHS_ME_p	V 41				2/10		
					0L42	pt 42 MHS ME p	V 42				3)10		
					0L43 ME702MHSW09D06102	pt_43	V_43				5/10		
					0L44 ME702MHSW09D07102	pt_44	V_44				6 10		
9	5 Oct - 10 Oct	6	5			pt_45	V_45		Material Handling Equipments, N.		4110		
				through slides and chutes; Storage in bins and hoppers;	0L46 ME702MHSW09D09102	pt_46	V_46		Rudenko		8 10		1
					0L47 ME702MHSW09D10102	pt_47	V_47		Ser din		9/10		
					0L48		V_48				10/10		





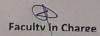




WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
					ME702MHSW10D12102 0L49		MHS_ME_ V 49				12/10		~
					ME702MHSW10D13102	MHS_ME_p	MHS_ME_						
	10000			Belt conveyors; Bucket-elevators;	0L50 ME702MHSW10D14102	pt 50	V_50		10 000		13 10		
10	12 Oct -17	6	5	Screw conveyors; Vibratory	0L51	nt 51	V 51		Material Handling		14/10		
10	Oct			Conveyors; Cabin conveyors; Mobile racks etc.	ME702MHSW10D15102 0L52				Equipments, N. Rudenko	1,141 (4.19)			
				lacks etc.	ME702MHSW10D16102	pt_52 MHS_MF_p	V_52 MHS_ME		100		15/10		
		10.53			0L53	pt 53	V 53				16/90		
					ME702MHSW10D17102 0L54	MHS_ME_p pt 54	MHS_ME_ V 54		1 3/12/03				1
					ME702MHSW11D19102	MHS ME p	MHS ME						10/9/
				Material Handling / Warehouse	OL55	nt 55	V 55		4 4 4 4 4		19/10		I P
				Automation and Safety	ME702MHSW11D20102 0L56	nt 56	V 56		State of the state of		20/10		104
			considerations:-[A] Storage and	ME702MHSW11D21102	MHS_ME_p	MHS_ME_							
11	19 Oct -24	6	6	warehouse planning and design; computerized warehouse planning;	0L57 ME702MHSW11D22102	pt 57 MHS ME p	V 57 MHS ME		Material Handling Equipments, N.		21 10		
	Oct			Need, Factors	0L58	pt 58	V 58		Rudenko		22/10	22/10	
-		- 3		and Indicators for consideration in warehouse automation; Levels and	ME702MHSW11D23102 0L59		MHS_ME_ V 59				28/10		
		- 3		Means of Mechanizations.	ME702MHSW11D24102		The second second				20110		
							V_60				24/10		
		1 70			ME702MHSW12D26102	MHS_ME_p	MHS_ME_						
		10.0			0L61	pt_61	V_61				26 10		
		100	33.3		ME702MHSW12D27102 0L62		MHS_ME_ V 62				27/10		
					ME702MHSW12D28102	SA - CONST.	W-345	10000000			27 110		+ A
12 2	6 Oct - 31	6	6				V_63		Material Handling		28/10		19/19
	Oct	0	0		ME702MHSW12D29102	MHS_ME_p	MHS_ME_		Equipments, N. Rudenko				C 14
	1	4 10 10					V_64				24/10		
					ME702MHSW12D30102 0L65		MHS_ME_ V 65				30/10		
		1 11 11	1		ME702MHSW12D31102								
13							V_66 Sessional				31 10		

Sub. Teacher

Ac











Maharshi Jarve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accumen with a difference



CCOEW/ME/ 20-21

Date 01/08/2021

						N & TEACHIN t of Mechanical		ng					
Facul	ty Name: Pr	rof. Sushil	Lanjew	ar				Sub: Comp	uter Aided Design (CAD)	Sec:	Year :	2021-22	Sem:- VI
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no, Page no, edition. No	link for quiz or poli	Completion Date	Assignment/T utorial Date	AC's sign
											1 8m	,	١
1	16Aug - 21Aug			ONLINE SKILL DEVELOPMENT TRAINING							21/08		
											2100		
				Introduction of CAD, Difference between Conventional & CAD design,	ME7CAD7W02D230821L01	CAD_CH1_ppt01		3-4 Groups of students given different parts		4			, पु
				Rasterisation techniques frame buffer, N-bit plane buffers. Simple color frame buffer,	ME7CAD7W02D240821L02	CAD_CH1_ppt02		http://vlabs.iitb.a c.in/vlabs dev/labs/cglab/ex perimentlist.html	CAD/CAM by Ibrahim Zeid				
1	23 - 27 Aug 21	5	1	Aigorithm for the generation of basic geometric entities like line (DDA Aigorithm) with Numerical	ME7C AD7W02D250821L03	CAD_CH1_ppt03			ch 1,pg 14,17 ch 2, pg 27-38 pg 533- 537		/		
				Numerical on DDA Algorithm	ME7CAD7W02D260821L04	CAD_CH1_ppt04		use of strings, use of CRT or			27/09		
				Numerical on DDA Algorithm	ME7CAD7W02D270821L05	CAD_CH1_ppt05		http://vlabs.iitb ac.in/vlabs- dev/labs/cglab/			Bry		
				Bresenham's line generation Method with Numerical	ME7CAD7W03D300821L06	CAD_CH1_ppt06					ĺ		
				Numerical on Bresenham's Method	ME7CAD7W03D310821L07	CAD_CH1_ppt07							1
3	30 Aug - 4	5	,	Numerical on Bresenham's Method	ME7CAD7W03D010921L08	CAD_CH1_ppt08		use of Strings, use of CRT or	CAD/CAM by Ibrahim Zeid ch 9				
	Sep				ME7CAD7W03D020921L09	CAD_CH1_ppt09		http://vlabs.iitb ac.in/vlabs-	ру 533-537		>04109		
				Numericals on Circle generation	ME7CAD7W03D030921L10	CAD_CH1_ppt10		dev/labs/culab/					
				Introduction to windowing & clipping (excluding algorithm), Window and Viewport, line clipping &	ME7C AD7W04D060921L10	CAD_CH2_ppt01				•			\sim
				introduction to 2D transformation. Translation, Scaling.	ME7CAD7W04D070921L11	CAD_CH2_ppt02							7
			1	Rotation Numericals on Translation Numericals on Scaling	ME7CAD7W04D080921L12	CAD_CH2_ppt03		http://vlabs.iitb	CAD/CAM by		. 1 .		1-41
4	6-10 Sep	5	2	Numericals on Rotation	ME7CAD7W04D090921L13	CAD_CH2_ppt04			lbrahim Zeid Ch 8. pg 465-511		1001		A
				Numericla on Combination of Translation, Scaling, Rotation,	ME7CAD7W04D100921L14	CAD_CH2_ppi05							()
			1	Numericla on Combination of Translation, Scaling, Rotation,	ME7CAD7W04D130921L15	CAD_CH2_ppt06							
			1	introduction to 2D transformation. Reflection & Shear,	ME7CAD7W05D140921L16	CAD_CH2_ppt07		taking different		9			
			1	Sumericals on Reflection & Shear,	ME7CAD7W05D150921L17	CAD_CH2_ppt08		http://vlabs.iitb			401.4		
			1	Sumericals on Reflection & Shear,	ME7CAD7W05D160921L18	CAD_CH2_ppt09			CAD/CAM by		18/03		
5	13-18 Sept	5		D Transformation , Translation, Scaling, Rotation, selfection etc	ME7CAD7W05D170921L19	CAD_CH2_ppt10			Ibrahim Zeid Ch 8 pg 465-511				
				D Transformation , Translation, Scaling, Rotation, sellection etc.	ME7CAD7W05D200921L20	CAD_CH2_ppt11							





WEE K No.	Week	No. Of Lect,	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	R Book - Clino, Page no, edition, No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sig
				Numericla on 3D Transformation	ME7CAD7W05D210921L21	CAD_CH2_ppt12							-
-				Numericla on 3D Transformation	ME7CAD7W06D220921L22	CAD_CH2_ppt13							
				Numericla on 3D Transformation	ME7CAD7W06D230921L23	CAD_CH2_ppt14							
				Techniques for Geometric Modeling Graphic standards,	ME7CAD7W06D240921L24	CAD_CH3_ppt01			CAD/CAM by		12/01		
6	20-24 Sept. 21	5	2 & 3	parametric representation of geometry, Bezier curves,	ME7CAD7W06D290921L25	CAD_CH3_ppt02		http://vlabs.ritb	Ibrahim Zeid Ch.4 pg 135-239		3041		
				Numericla on Bazier curves		CAD_CH3_ppt03							Ver
				Cubic spline curves, Cubic spline curves, Bspline curves,	ME7CAD7W06D300921L26	The second second)		1
				constructive solid geometry,	ME7CAD7W06D011021L27	CAD_CH3_ppt04					1		0
				(A-1700 AF LANGE BANKER LANGE AF A CONTRACTOR AND A CONTR	ME7CAD7W07D021021L28	CAD_CH3_ppi05					/		1
				Problems on constructive solid geometry, Feature Based modeling, Feature recognition, Design by	ME7CAD7W07D031021L29	CAD_CH3_ppt06			CAD/CAM by				1
7	27 Sept 1	5	3	feature.	ME7CAD7W07D061021L30	CAD_CH3_ppt07			Ibrahim Zeid Ch.4) .		+
	Oct. 2021			Wire frame modeling, solid modeling of basic entities like box, cone, cylinder	ME7CAD7W07D071021L31	CAD_CH3_ppt08			pg 135-239		10/10		+-
				CSG & B- representation technique using set theory	ME7CAD7W07D081021L32	CAD_CH3_ppi09							+
				Assembly modeling. Representation, mating conditions,	ME7CAD7W07D091021L33	CAD_CH3_ppt10							
				Assembly modeling Representation, mating conditions, representation schemes, generation of assembly sequences and importance of precedence diagram	ME7CAD7W09D280921L34	CAD_CH3_ppt10			Introduction to			7	
				Introduction to Finite Element Analysis Basic concept	ME7CAD7W09D290921L35	CAD_CH4_ppt01			Finite Elements in Engineering By				
9	11-16 Oct. 2021	5	4	One Dimensional Problem Fundamental concept of finite	ME7CAD7W09D300921L36	CAD_CH4_ppt02			A D Belegundu and TR Chandrupatla		1.1.		
				element method, Plain stress and strain Numericls on 1D Element Plain stress and strain	ME7CAD7W09D011020L37	CAD CH4 ppi02			Pg No 1-43		40110		
				Numericls on 1D Element Plain stress and strain	ME7CAD7W09D031020L38	CAD_CH4_ppt02							
-				Finite Element Modeling, Potential Energy Approach,	ME7CAD7W10D051020L39	CAD_CH4_ppt02					1		
				Finite Element Modeling Potential Energy Approach,	ME7CAD7W10D061020L40	CAD_CH4_ppt02			Introduction to			1	
				Numericls on 1D Element PEA	ME7CAD7W10D071020L41	CAD_CH4_ppt02			Finite Elements in				
10	18 - 22 Oct. 21	5	4	Numerics on 1D Element PEA	ME7CAD7W10D081020L42	CAD_CH4_ppt02			Engineering By A.D. Belegundu and		anlın		1
				Anna de la companya del companya de la companya de la companya del companya de la companya del la companya del la companya de	ME7CAD7W10D091020L43	CAD_CH4_ppt02			T R Chandrupatla Pg. No 45-98		55/10		LU!
				Finite Element Modeling Galerkin Approach.	ME7CAD7W10D101020L44	CAD_CH4_ppt02			·			>	The second
_				Finite Element Modeling Galerkin Approach,	ME7CAD7W11D121020L45	CAD_CH4_ppt02				1			0
									Introduction to				
				Coordinate and Shape function Finite Element Equations, Quadratic Shape Function,	ME7CAD7W11D131020L46	CAD_CH4_ppt03			Finite Elements in Engineering By				
11	25 - 30 Oct.	5	4 & 5	Finds Flement Fourtions Thindratic Shape Function	ME7CAD7W11D141020L47	CAD_CH4_ppt02		,	A.D. Belegundu and		20/10		
				Temperature Effects, Forsion of a circular shart	ME7CAD7W11D151020L48	CAD_CH4_ppt03			T R Chandrupatla Pg. No 45-98, pg		2.1,		
				Truss & Two Dimensional FEM	ME7CAD7W11D161020L49	CAD_CH5_ppi01			no103-174				
				Plane truss problems,	ME7CAD7W11D171020L50	CAD_CH5_ppt01							
				Plane truss problems,	ME7CAD7W12D191020L51	CAD_CH5_ppt01			Introduction to		-		
				Plane truss problems,	ME7CAD7W12D201020L52	CAD_CH5_ppt01			Finite Elements in				
	8 - 12 Nov.	5	5	two dimensional problems using Constant strain triangle	ME7CAD7W12D211020L53	CAD_CH5_ppt02		,	Engineering By D Belegundu and		612/11		
12		1000	8	Numericals	ME7CAD7W12D221020L54	CAD_CH5_ppt02			T R Chandrupatla Pg No 45-98, pg		,], ,		
12	21								1 8 140 43-70, PE				
12	21			Numericals	ME7CAD7W12D231020L55	CAD_CH5_ppt02			no103-174				





WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PP(ID	Video ID	Activity/ Virtual lab link Teaching Aid	Rece Book - Chano, Page no,edition, No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
				Numericals	ME7CAD7W13D261020L57	CAD_CH5_ppt04							1
				Derivation of shape functions for CST element	ME7CAD7W13D271020L58	CAD_CH5_ppt05			Introduction to Finite Elements in				-
13	15 - 20	5	6	Optimization in Design. Objectives of optimum design,	ME7CAD7W13D281020L59	CAD_CH5_ppt06			Engineering By A D. Belegundu and				
13	Nov. 21	,	۰	adequate and optimum design,	ME7CAD7W13D291020L60	CAD_CH6_ppt01			T R Chandrupatla		2011		-
				Johnson's Method of optimum design,	ME7CAD7W13D301020L61	CAD_CH6_ppt01			Pg No 45-98, pg no103-174		,		
			primary design equation,	ME7CAD7W13D311020L62	CAD_CH6_ppt01							4/11	
				subsidiary design equations and limit equations, optimum design with normal and redundant specifications	ME7CAD7W13D311020L63	CAD_CH6_ppt02)		70
				optimum design with normal and redundant specifications of simple machine elements of tension bar,	ME7CAD7W13D311020L64	CAD_CH6_ppt03			Introduction to		4		
.	22 - 26	,		Numericals	ME7CAD7W13D311020L65	CAD_CH6_ppt04			Engineering By A D Belegundu and		26/11		
14	Nov. 21	,	6	optimum design with normal and redundant specifications of simple machine elements of transmission shaft	ME7CAD7W13D311020L66	CAD_CH6_ppt05			T R Chandrupatla		ab		
				Numericals	ME7CAD7W13D311020L67	CAD_CH6_ppt06			Pg No 45-98, pg no103-175				
				optimum design with normal and redundant specifications of simple machine elements of helical spring	ME7CAD7W13D311020L68	CAD_CH6_ppt07							
15						Sessio	onal Ex	cam II				لو	

Sub.

Ac



Dr. Millind Khanapurkar Principal Maharsh Karva Stres Shikasan Sanetha'i Tunnisa College of Engineering for Women Hingan, Nappur-43110 Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2019-20

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in

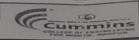








Maharshi Karve Stree Shikshan Samstha's Cummins College of Engineering FOR Women Sharpening Engineering Acumen with a dillerence



LESSON & TEACHING PLAN FOR ENERGY CONVERSION-I DEPARTMENT OF MECHANICAL ENGINEERING Date:

Date: 02 /12 / 2019

Faculty	Name:D	r. Shailesh	N. Kh	ekale	Subject: Energy Conversion - I			Year (2	(019-20)	Sem:- VI
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completi on Date	Assignme nt/Tutori al Date	HOD's sign
1	16 - 21 Dec.	5	1	Introduction to layout of thermal power plant, principle of steam generation. Fuel for steam generators, necessity of water treatment, classification of steam generators, fire tube and water tube boilers, high pressure boilers	Alloting the elements of thermal power plant to the students and corelate their sequence of functions. Elaborating example of pressure cooker and difference with boiler	THERMAL ENGG BY R.K. RAJPUT ch.no.11, pg.297-299		17/12/19 18/12/19	20112/19	
2	23 - 27 Dec	3	1	Boiler mountings and accessories. Draught and its classification, calculations for chimney height, chimney diameter & efficiency. Condition for maximum discharge.	Demonstration of Lancashire Boiler with model	THERMAL ENGG BY R.K. RAJPUT ch.no.11, pg.299-315, ch.no.12, pg.317-329	ANUNIVERSE %2022%20- %20CORNISH %20BOILER% 20WORKING. mp4	3/1/20	3/1/20	
3	30 Dec - 4Jan	5	2	Draught and its classification, calculations for chimney height, chimney diameter & efficiency. Condition for maximum discharge.	Elaborating types of draught	THERMAL ENGG, BY R.K. RAJPUT ch.no.13, pg.330-340	WORKING%2 0OF%20BOILE R.mp4	14/1/20		
4	06 Jan 10 Jan	4	2	Performance of steam generators: Evaporation capacity, equivalent evaporation. Boiler efficiency		THERMAL ENGG. BY R.K. RAJPUT ch.no.14, pg 341-351		27/1/2	70	

Faculty Incharge

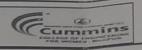
Bagn







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



LESSON & TEACHING PLAN FOR ENERGY CONVERSION-I

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 02 /12 / 2019

Faculty	Name:D	r. Shailesl	n N. Kh	nekale	Subject: Energy Conversion - I			Year (2	(019-20)	Sem:- VI
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completi on Date	Assignme nt/Tutori al Date	HOD's sign
5	13 - 18 Jan	5	3	. Fluidized bed boiler: Bubbling fluidized bed boilers, circulating fluidized bed boilers (Elementary treatment expected), coal handling, ash handling.		THERMAL ENGG. BY R.K. RAJPUT ch.no.11, pg.299-315		27/2/2		
6	20 - 24 Jan	9 9			Anannya					
7	27 Jan - 1 Feb	5	3	Cogeneration: Introduction to cogeneration, need, working principle and applications.		THERMAL ENGO. BY R.K. RAJPUT ch.no.14, pg.341-351				
8	3 -7 Feb	4	3 & 4	Topping cycle and bottoming cycle. Steam nozzles: Adiabatic expansion in nozzles, maximum discharge, critical pressure ratio and effects of friction,		THERMAL ENGG, BY R.K. RAJPUT ch.no.18, pg 440-464		clulo		
9	10 - 15 Feb				Sessional - I					
10	17 - 20 Feb	3	4	Calculation of throat and exit areas, supersaturated flow, Wilson Line.		THERMAL ENGG BY R.K. RAJPUT		49/2/2	0	
11	24 -28 Eab				Retest			1		
12	29Feb - 7 March	3	4	Problem on Steam nozzle and Turbine. Energy losses in steam turbines, flow of steam through turbine blades, reheat factors, Velocity diagrams, graphical and analytical methods.		THERMAL ENGG. BY R.K. RAJPUT ch.no.19, pg.465-513	Mr.Abhiji Enginee operation, I	r, Boiler	0	

64

Faculty Incharge

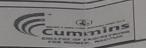








Maharshi Karve Stree Shikshan Samstha's Educating Warnen for CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Revonen with a difference



LESSON & TEACHING PLAN FOR ENERGY CONVERSION-I

DEPARTMENT	OF MECHANICAL	ENCINEEDING
	TIE VIEL HANICAL	

				NT OF MECHANICAL ENG			Dat	e: 02 /12		
Facult	y Name:D	r. Shailesh	N. Kh	ekale	Subject: Energy Conversion - I			Year (2	019-20)	Sem:- VI
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completi on Date	Assignme nt/Tutori al Date	HOD's sign
13	9 - 13Mare h.	6	5	Problem on Steam nozzle and Turbine, Energy losses in steam turbines, flow of steam through turbine blades, reheat factors, velocity diagrams, graphical and analytical methods, work done.		THERMAL ENGG, BY R.K. RAJPUT ch.no.19,		14/3/20		
14	16 -21 Mar	4	5	Thrust and power, dimensions and proportioning of the blades, steam turbine efficiencies, condition for maximum efficiencies, reheat and regenerative cycles.		THERMAL ENGG. BY R.K. RAJPUT ch.no.19, pg.465-513		14/3/2	b	
15	23 - 27 Mar	5	6	Steam condensers: Types of condensers, classification of condensers, quality and quantity of cooling water required.Calculations for surface condenser,		THERMAL ENGC, BY R.K. RAJPUT ch.no.18,19, pg.440-513	Mr.Ashish Ik Exhicutive Dpt,Kora	Training		
16	30 - 31 Mar	3	6	Dalton's law of partial pressure, sources of air leakages and air removal, air ejectors Cooling towers: wet cooling towers, dry cooling towers, cooling ponds.		THERMAL ENGG, BY R.K. RAJPUT ch.no.18,19,.	Mr.I Rode,Engin	neer,Boiler		
17	01 - 08 Apr				Sessional - I					

54)









Maharshi Karve Stree Shikshan Samstha's Educating Women for CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Date: 02 /12 / 2019

LESSON & TEACHING PLAN FOR MACHINING PROCESSES DEPARTMENT OF MECHANICAL ENGINEERING

Faculty	Name:Dr.	. Shailesh	N. Khe	ekale	Subject: N	Machining Process	es	Year (2019-20)	Sem:- IV
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	16 - 21 Dec.	5	1	Introduction to Machining Parameters: Introduction to machining. Tool materials, Nomenclature and tool geometry of single point cutting tool, tool materials properties, classification, HSS, carbide tool, coated tools, diamond coated tool. Theory of Metal Cutting: Introduction. Orthogonal and Oblique cutting. Mechanics of Metal Cutting.	Sharpening of pencils by sharpener	P N Rao Ch.4, p. 116-146+B19		18/12/19 26/12/19 31/12/19	31/12/19	Sult V
2	23 - 27 Dec	3	1	Shear plane, Stress, Strain and cutting forces. Merchant's circle, Chip formation, cutting force calculations, Determination of Torque and power required for turning Drilling and Milling. Influence of tool angle, cutting fluids, cutting speed, feed and depth of cut on power requirement, Estimation of tool life.	Cuttting of potato, cucumber to understand the concept of chip formation	Garg p.464-479, R. K. Jain p. 441- 464		3/1/20		
3	30 Dec - 4Jan	5	2	Lathe: Introduction. type, Construction of simple lathe mechanism and attachments for various operations, Machine specifications basis for selection of cutting speed	Lecture at nearby lathe machine in workshop and Students explained the parts of lathe machine.	Hazra p.53-55, Hajra P 86 to 98 and 107 to 110 and R K Jain p. 441-464		29/1/20		
5	06 Jan- 10 Jan	4	2	Machine specifications basis on feed and depth of cut, time estimation for turning operations such as facing, step turning, taper turning, threading, knurling. Introduction to Capstan & Turret Lathe.	Students explained the different mechanism of lathe machine.			3/2/20		
6	13 - 18 Jan	5	3	Shaper Introduction, type, specification, description of machines, hydraulic drives in shapers, cutting parameters. Mechanism of shaper: Quick return mechanism. Crank & slotted link mechanism.	Students explained the parts and different mechanism of shaper machine.	Hazra p. 56-79 RKJain, ch. 23, p 719-725		G /2/20		
	20 - 24 Jan									

Faculty In Charge

Shul HoD





Faculty	Name:Dr	Shailesh	N Kha	deala	Subject:	Machining Proces	sses	Year (2019-20)	Sem:- IV
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
7	27 Jan -1 Feb 27 Jan -1 Feb 3 -7 Feb 10 - 15 Eah 17 - 20 Feb 24 - 28 Feb 29 Feb - 7 March 9 - 13 March 16 - 21 Mar 23 - 27 Mar	5	3	Table feed mechanism, attachments for shaper, work holding devices, shaper operations, time estimation for shaping operations. Slotter: Introduction, specifications, description, type of drives for slotter. Types of slotting machines -production slotter, puncher slotter, tool room slotter, slotter tools. Planer: Introduction, specifications, description.	Students elaborated Quick return mechanism, Crank & slotted link mechanism and parts of shaper	Hazra p. 56-79 RKJain, ch. 23, p 719-725		7/2/20		
8	3-7 Feb	4	4	Specification, types, column & knee type milling machine, fixed bed type milling machines, production milling machines. Special purpose milling machines such as thread milling Machines, profile milling machine, Gear Milling/Hobbing machines	Students explained the parts and different mechanism of planer machine in workshop	Hazra ch. 7, p.297. 324, RKJain, ch. 23, p 719-725	https://www.yout ube.com/watch? v=SYzYIVc1Mp U	Actola.		
9	17-20	3	4	Mechanisms & Attachments for Milling. Cutting, parameters, Types of milling operations, Types of milling cutters, Tool geometry & their specifications. Indexing- simple, compound and differential.	Lecture at nearbyMilling machine in workshop	HHazra ch. 9, p. 347-356,				
10					Retest		E 1918 12			
11	29Feb - 7	6	5	Grinding operations, grinding wheel, specifications & selection, cylindrical & centreless grinding operation, surface grinding, tool & cutter grinding, time estimation for grinding operations.	Students elaboratde parts of milling machine with their functions.	Hazra ch. 9, p. 347 356,				
12		4	5	Super finishing process: Honing, Lapping, polishing, buffing, metal spraying, galvanizing and electroplating. Process parameters and attainable grades of surface finish, surface measurement.	Lecture at nearby grinding machine in workshop	Hazra ch. 11, p. 397-406,	https://www.youtube. com/watch?v=FfjA5 ZEUhi0			
13		5	5	Drilling introduction, tools for drilling, classification of drills, twist drills, drill size and specifications, tipped drills, Type of drilling machines-portable drilling machine, bench drilling machine, Right drilling machine, radial drilling machine, universal drilling machine, multisided drilling machine.	Lecture at nearby drilling machine in workshop	Hazra ch. 11, p. 397-406,	https://www.youtube.com/watch?v=X0- _OwjQBgI	29/2/20		
14		3	6	Drilling machines operations, time estimation for drilling. Reaming: Introduction, description of reamer, type of reaming operations. Boring: Introduction, types of boring machine, horizontal boring machine, vertical boring machine, jig machine, micro boring, boring operations.	Students elaborate parts of drilling machine with their functions.			49/3/20		
15	30 - 31 Mar	2	6	Broaching: Introduction, type of broaches, nomenclature of broaches, types of broaching machines		Hazra ch. 11, p 406-429, 454-464		17/3/20		
18	01 - 08 Apr									





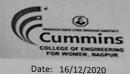






Maha hi Karve Stree Shikshan Samstha

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/ME/ 19-20

LESSON & TEACHING PLAN

				Departi	ment of Med	hanical Engineering				
Faculty	/ Name: F	rof. Pra	isanna N	Mahankar		Subject: Engg. Thermodynamics		SEM: IV (20	1	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
2	16-21 Dec 23-27 Dec	6	1	concepts of Thermodynamics, Systems and its forms, Property, State, Process, Cycles, Thermodynamics equilibrium, temperature, Zeroth law of thermodynamics, Introduction to First law of thermodynamics Energy transfer, Heat and Work, Mechanical form of work, Nonmechanical form of work.	Activity 1.1, 1.2,1.3,1.4 Activity 1.5,1.6,1.7,1.	CP Arora, Thermodynamics, Chap. 1 & 2, page 1-51, Engineering Thermodynamics, P. K. Nag, Chap. 1 & 2, Page 1- 41 CP Arora, Thermodynamics, Chap. 1 & 2, page 1-51, Engineering Thermodynamics, P. K. Nag, Chap. 2&3, Page 26 - 69	PPT PPT	16/12/19 19/11/2/19 19/11/2/19 19/11/2/19 20/12/19 21/12/19 24/12/19 26/12/19 27/12/19		Buy
3	30 Dec- 4 Jan	6	-	Ideal Gas: Gas laws-Boyle's law, Charle's law, Avagadro's law, Equation of state, Specific Heat, Universal gas constant, Constant pressure, Constant volume, Isothermal, Isentropic and Polytropic process on P-V Diagram. Calculation of Heat transfer, Work done, Change in Internal Energy and Enthalpy	Activity 1.9 to	CP Arora, Thermodynamics, Chap. 1 & 2, page 1-51, Engineering Thermodynamics, P. K. Nag, Chap. 3 & 4, Page 41	PPT	30/12/119 30/12/19 1/11\$20 3/1/2020 3/1/2020 411/1/20		

Faculty in Charge





	WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign		
	4	6 - 10 Jan	5 (2)	11	Unit II: First law of Thermodynamics for Closed System undergoing a process and cycle (Control Mass System) First Law to Open System (Control Volume System),	Activity 1.14 to 1.17	CP Arora, Thermodynamics, Chap. 4 & 5, page 105-221, Engineering Thermodynamics, P. K. Nag, Chap. 5, Page 87 -112	NPTEL	9 1 20 0 0 20 0 0 20 3 8 20 3 6 20		(R) oal		
	5	13 - 18 Jan	4	11	Steady Flow process apply to Nozzle, Turbine, Compressor, Pump, Boiler, Throttling Device, Heat Exchanger.	Activity 1.18 to 1.22	CP Arora, Thermodynamics, Chap. 4 & 5, page 105-221, Engineering Thermodynamics, P. K. Nag, Chap. 5, Page 87 -112	Video and PPT	29/1/20 29/1/20 28/1/20 28/1/20	Test 1			
6	27 Jan 1 Feb	6	111	111	===	III	Unit III :- Second Law of Thermodynamics:- Introduction, Thermal Energy Reservoirs, Kelvin-Plank and Clausius Statements, Heat Engine, Refrigerator, Heat Pump,	Activity 1.23 to 1.28	CP Arora, Thermodynamics, Chap. 6, page 231-305, Engineering Thermodynamics, P. K. Nag, Chap. 6, 7 & 8 Page 117 -225	PPT	311120 1220 312120 412120 512120 612120		8
	7	3 - 7 Fe	b 5	III	Perpetual Motion Machine I and II, Carnot Cycle, Thermodynamic Temperature scale. Entropy: Clausius Inequility, Entropy, Principle of increase of Entropy, Change in Entropy for different Thermodynamics Processes with T-S Diagram	Activity 1.29 to 1.33	CP Arora, Thermodynamics, Chap. 6, page 231- 305,Engineering Thermodynamics, P. K. Nag, Chap. 6, 7 & 8 Page 117 - 225		71220 1512/20 1512/20 1812/20 1412/20				
	8 Facult	ty in Cha	ge 🌃	9		9	Sessional I				3		





No.	Week	No. C Lect.		Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
9	17 - 20 Feb	4	III & IV	, Reversible and Irreversible Processes, Availibility Unit IV Properties of Steam: - Sensible Heat, Latent Heat, Critical State, Triple Point, Wet Steam	Activity 1.34 to 1.37	CP Arora, Thermodynamics, Chap. 6, page 231-305, Engineering Thermodynamics, P. K. Nag, Chap. 6, 7 & 8 Page 117 -225		20/2/20 24/2/20 25/2/20 26/2/20		Blue
10	24 - 29 Feb	6	IV	, Dry Steam, Superheated Steam, Dryness Fraction, Internal Energy of Steam, External Work Done during Evaporation,	Activity 1.38	CP Arora, Thermodynamics, Chap. 3, page 55-96, Engineering Thermodynamics, P. K. Nag, Chap. 9, Page 273 -314	PPT and Video	2)12120 28/2120 29/2120 212120 3/2120		
11	2 - 7 Mar	6	IV	T-S Diagram, Mollier Chart, Work and Heat Transfer during various Thermodynamic Processes with steam as working fluid, Determination of Dryness Fraction using various Calorimeter. Expert Lecture by Shri. Abhijit Pundlik on Boiler Operation	Activity 1.42 to 1.45	CP Arora, Thermodynamics, Chap. 3, page 55-96, Engineering Thermodynamics, P. K. Nag, Chap. 9, Page 273 -314		4 3 20 5 3 20 6 3 20 7 3 20 9 3 20		800
12	9 - 13 March	4	V	Unit V:-Vapour Power Cycle:- Introduction, Vapour Carnot Cycle, Rankine Cycle, Method to increase Thermal Efficiency,	Activity 1.46 to 1.48	CP Arora, Thermodynamics, Chap. 8, page 358-396, Engineering Thermodynamics, P. K. Nag, Chap. 9, Page 273 -	PPT	11/3/20 12/3/20 13/3/20 16/3/20		





No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapte. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
13	16 - 21 Mar	6	V	Reheat-Rankine Cycle, Regenerative Rankine Cycle with opened and closed feed water heaters.	Activity 1.49 to 1.52	CP Arora, Thermodynamics, Chap. 8, page 358-396, Engineering Thermodynamics, P. K. Nag, Chap. 9, Page 273 -314	PPT and	17/3/20 18/3/20 19/3/20 20/3/20 21/5/20	(
14	23-27 Mar	5	VI	Air Standard Cycles: - Otto Cycle, Diesel Cycle, Dual Cycle,	Activity 1.53 to 1.55	CP Arora, Thermodynamics, Chap. 9, page 411-462, Engineering Thermodynamics, P. K. Nag, Chap. 12, Page 438 -475	PPT and Video	23/3/20 24/3/20 20/5/20 26/5/20 27/5/20		Blow
15	30 - 31 Mar	2	VI	Brayton Cycle, Stirling Cycle, Ericsson Cycle	Activity 1.56	CP Arora, Thermodynamics, Chap. 9, page 411-462, Engineering Thermodynamics, P. K. Nag, Chap. 13, Page 504 - 559	PPT and Video	30 3 20		
						Sessional II				



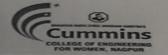
itud





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/MECH / 19-20

Date: 10/12/2019

LESSON & TEACHING PLAN

DEPARTMENT OF MECHANICAL ENGG. Faculty Name: Prof. Vikram Dandekar 6th SEM (2019-20) Subject: CSE Sem:- EVEN WEEK No. Of Unit Activity/ Teaching Refrence Book - Chapter Completion Assignment/T Week Exact Topic Name & Subtopic ICT tools AC's sign No. Lect. No. Aid no. Page no, edition. No Date utorial Date Control System controls: Study of 23/12/19 Control System components such as Feed back Control hydraulic actuators, System by 24/12/19 16-21 Dec 5 MAT-Lab required NPTEL Videos Servomechanism D.C. and A.C. R.A.Barapatre pg.CSC-1 27/12/19 to CSC-20 motor, liquid level control, Automobile Power Steering Control Study and Analysis of performance Feed back Control 27/12/19 Discussion in characteristics, the concept of various System by On Various R.A.Barapatre pg.CSC-1 30/12/19 2 23-27 Dec 5 types of system like machine tools, NPTEL Videos 31/12/19 Prime movers, system generators, Autometic to CSC-21 Modeling of Mechanical System: 211/19 Feed back Control Basic Elements of Control System -Discussion in 30 Dec-04 System by 3/1/20 6 Open loop and Closed loop systems NPTEL Videos Jan class room on R.A.Barapatre pg.ICS-1 6 11/20 - Differential equation - Laplace to ICS-15 CT Transform -Transfer function, Electric systems, Electronic system Feed back Control 6/1/12 and Electro-mechanical system. System by 06 -10 Jan 5 2 NPTEL Videos 911/20 Concept of transfer function & its R.A.Barapatre pg.ICS-1 10/1/20 determination for physical systems. to ICS-16

Faculty in Charge

BM





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
5	13-18 Jan	6	2	Transfer Function system Representation through Block Diagram and Signal Flow Graph: Block Diagram representation.	Discussion on system & block dia,	Feed back Control System by R.A.Barapatre pg.DMR- 1 to DBA-112	NPTEL Videos	16/1/20		
6	20-24 Jan			A	NNANYA CULTU	JRAL FESTIVAL AND A	ALUMNIE MEET			
7	27 Jan -01 Feb	6	3	, Reduction Techniques for single and multiple input/output, Conversion of Block Diagram into Signal Flow Graph,		Feed back Control System by R.A.Barapatre pg.DMR- 1 to DBA-112	NPTEL Videos	27/1/20 28/1/20 29/1/20 30/1/20	29/1	Po
8	03 -07 Feb	5	3	Conversion of algebraic equation into Block Diagram and Signal Flow Graph. Transfer function through Block Diagram Simplification using		Feed back Control System by R.A.Barapatre pg.DMR- 1 to DBA-113	NPTEL Videos	31/1/20		
	10 - 14 Feb					Sessional I				
9	17-21 Feb	6	3	System Response & Time Domain Response Analysis: First and second order systems response to impulse, ramp and sinusoidal inputs, properties of unit step response of		Feed back Control System by R.A.Barapatre pg.DMR- 1 to DBA-113	NPTEL Videos	5 2 80 6 2 20 25 2 80		
10	24 -29 Feb	5	3	Signals: Step, Ramp, Impulse, Parabolic and Periodic signals with their mathematical representation and characteristics.		Feed back Control System by R.A.Barapatre pg.DMR- 1 to DBA-114	NPTEL Videos	26/2/26 27/2/20		

Faculty in Charge

FF(RD) | DOM(AK) | O



HOD





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter	ICT tools	Completion	Assignment/T	AC's sign
11	02 -07 Mar	6	3&4	Mode of Controls: Basic control actions and Industrial controllers, Introduction to P, PI and PID controllers their characteristics, representation and applications. Classification of industrial automatic. Controller Mechanisms: Pneumatic,		Feed back Control System by R.A.Barapatre pg.DMR- 1 to DBA-115	NPTEL Videos	2 3 20 3 3 20 4 3 20		
13	09 -13 Mar	6	4	hydraulic and electric controllers, general principles for generating		Feed back Control System by R.A.Barapatre pg.DMR- 1 to DBA-116	NPTEL Videos	5 3 20 11 3 20 12 3 20	12/8/20	
14	16 - 21 Mar	5	5	Frequency Domain analysis - Correlation between time and frequency responses of a second order System. Bode & Polar plot: Determination of Gain Margin, Phase Margin and their Stability Inverse Bode Plot, Transportation		Feed back Control System by R.A.Barapatre pg.DMR- 1 to DBA-117	NPTEL Videos	14 3 20 15 3 16 3		90
15	23 -27 Mar	6	5	lag, System Identification from Bode plot.UNIT 6: State space representation of Continuous Time systems: State equations, Transfer function from State Variable		Feed back Control System by R.A.Barapatre pg.DMR- 1 to DBA-118	NPTEL Videos	23/3 24/3 25/3 26/3		
16	23 -27 Mar	5	6	Stability criterion: Introduction to control system design lag lead compensation, Feed Back Compensation and Pole -Zero placement.		Feed back Control System by R.A.Barapatre pg.DMR- 1 to DBA-119	NPTEL Videos	24/3 28/3 29/3		
18	04-09 April	6				Sessional II				

Faculty in Charge









Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/AS / 18-19

Date: 09/12/2019

LESSON & TEACHING PLAN

Department of Mechanical Engineering

Facul	ty Name: Pr	of. SUSHI	LR.L	ANJEWAR	Subject: At		Year:	2019-20	Sem:- VIII	
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	4-	6 Dec			RTMNU Exaternal	Practical Exam	ination			
2	9 -	14 Dec	2		Skill develo	pment Peogram				
3	16- 21 Dec	4	1	Definition, types, reasons, strategies for automating, arguments for and against automation. Organization and information processing in manufacturing	Group/ Each of students make search papers for New Trends in Automation & Make some charts	Automation, Production systems, & Computer Integreted Manufacturing By, M. P. Groover Pg. No. 6-21, 401-411.	PPT, Videos	18/12		7
4	23-28 Dec	4	1	Automated Flow Lines- Methods of work part transport, Buffer storage Analysis of flow lines -General terminology and analysis, analysis of transfer lines without storage	making some small models for work part transport	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 448- 460		28/12		Blaye
5	30 Dec - 4 Jan	4	1	partial automation, manual assembly lines. Line Balancing Problem, Methods of line balancing. (Largest Candidate Rule & RPW) (L.C.R., RPW only)		Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 448- 460, 142-181, 188-212		30/12		
6	6 - 11 Jan	4	2	Numerical Control Production Systems -Basic concepts, coordinate system and machine motion. Types of NC systems -Point to point, straight cut and continuous path.	Making some mdels & posters for NC & CNC	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 142- 181, 188-212	PPT videos	02/017	06/0/	8mg





								_		
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
7	13-18 Jan	4	2	Machine control unit and other components, part programming and tape formats, method of part programming, Introductionof manual part programming (NC words) Numericals on Lathe & Milling	Hadns on Practice on MPP	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover, Pg. No. 142- 181, 188-212 CNC Machines By. P.N. Pabla Pg. No. 55-70	Working on MTAB MCU	180	3 6]01	Buy
8	20-	25 Jan			Anannya Cultural F	Festival & Alun	nne meet			
9	27 Jan -1 Feb	4	2	APT programming in details, Directed numerical control. Computer numerical control. Adaptive control. Applications of NC.	Hadns on Practice on APT using CAM module software	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover, Fg. No. 188- 212 CNC Machines By. P.N. Pabla Pg. No. 55-70		15/01	_	المال
10	3 - 8 Feb	4	3	Industrial Robotics -Introduction, robot anatomy, accuracy and repeatability and other specifications, end effectors, sensors, introduction to robot programming, safety monitoring.	with the help Arduino use of Sensors	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 214- 247	IIT lecturs, Videos	80/01		3
11	10 -	15 Fe	b		Sess	sinal - I			No.	J
12	17-22 Feb	4	3	Robotapplications -Characteristics of robot applications, work cell layout, robot applications in materialhandling, processing, assembly and inspection.		Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 214- 247	IIT lecturs, Videos	16/2		Saul
13	24 - 29 Feb	4	4	Automated material handling & storage: Automated Guided Vehicle Systems -Types: Driverlesstrains, AGVS pallet trucks, AGVS unit-load carriers. Vehicle guidance & routing, Traffic control &safety, System management, Analysis of AGVS systems, AGVS applications.	with the help of final year projects students will do different programmings for AGVs	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 214- 247, 274-	IIT lecturs, Videos, PPT	29/02		alu _
14	2 - 7 Mar	4	4	Automated Storage & Retrieval System Types: Unit load AS/RS, mini load AS/RS, man on board AS/RS, automated item retrieval system, deep lane AS/RS - Basic components & special features of AS/RS. Carousel storage systems, work in process quantitative analysis.	Industrial Visit	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 276- 305		67/03		





WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
15	9 - 14 Mar	4	5	Automated inspection & Group technology: Automated inspection principles & methods -100% automated inspection, off-line & on -line inspection, distributed inspection & final inspection; Sensor technologies to; automated inspection, coordinate, measuring Machine Construction, operation &	Industrial Visit	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No.314-329		14/03		0
16	16-21 Mar	4	5		at wokshop students will separate the different tools / work pieses to understand the Part familty	Automation, Production systems, & Computer Integreted Manufacturing By, M. P. Groover Pg. No. 307- 530, 540-560	IIT lecturs, Videos, PPT	21/03		r Bhy
17	23- 31 Mar	6	6		Group of students will make mini model FMS system	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 540- 560, 720-732, 749	IIT lecturs, Videos, PPT	31/03	ſ	Rhy.
18	1 -	8 Apri	1		Sess	sinal - II			<i>)</i>	

Faculty In Charge

Academic Coordinator





Mahashi Karve Stree Shikshan Samstha

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



0

CCOEW/ME/ 19-20

Stude

Date: 16/12/2020

LESSON & TEACHING PLAN

				Departn	nent of Me	echanical Engineering		-		
aculty	y Name: Pro	f. Prasaı	nna Mah	ankar		Subject: Refrigeration and Air Conditioning		SEM: VIII (2019-20)	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
2000			EGG AND	Advanced Psychometric & Heat Load		B. Simulian and Air		16/12/19		
7.5			1300	Calculations:	Activity	Refrigeration and Air Conditioning, R.S.Khurmi,		17/12/19		
1	1 16-21 Dec	4	v	Introduction to psychometric properties and processes of air. Classification of air conditioning systems,	1.1	Chap.16 and 18, Page no. 467-533, 549-596,	Chart	1811219		
						Vth edition.		20/12/19		Blany
						Refrigeration and Air Conditioning, R.S.Khurmi,		23/12/19		
2	23-27	3	V	Applications of psychometry to various air conditioning systems,	Activity 1.2,1.3,1.4	Chap.16 and 18, Page no.	CHart	24/12/19		
	Dec			various air conditioning systems,	1.2,1.3,1	467-533, 549-596, Vth edition.		27/12/19		
				Unit V : RSHF, ESHF, GSHF,		Refrigeration and Air		30/12/19		
	30 Dec - 4			air washers, air coolers.	Activity	Conditioning, R.S.Khurmi, Chap.16 and 18, Page no.	Chart and PPT	81112	0	
3	Jan	4	V & VI	Unit VI: Air Transmission & Distribution: Principle of air	1.5,1.6,	467-533, 549-596,	Chartana	3/41/20		
		100		distribution,		Vth edition.		311/120	311/20	
culty	in Charge	2000								Solut





	WEEK No.	Wèek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
	4	6 - 10 Jan	4	VI	types of grilles & diffusers & their selection criteria, air filtration, types of air filters, distribution of air through ducts,	Activity 1.8,1.9	Refrigeration and Air Conditioning, R.S.Khurmi, Chap.16, 17 and 18, Page no. 467-533, 549-596, Vth edition.	РРТ	411120 1011120 1311120 2711120	10111	
	5 1	13 - 18 Jan	3	VI	pressure losses in ducts, methods of duct design, duct friction chart, air conditioning controls	Activity 1.10,1.11, 1.12	Refrigeration and Air Conditioning, R.S.Khurmi, Chap.16, 17 and 18, Page no. 467-533, 549-596, Vth edition.	Video and PPT	27/1/20 27/1/20 28/1/20 28/1/20		
6	5 2	27 Jan - 1 Feb	4	IV	Unit IV : Cryogenics: Introduction, application of cryogenics,	Activity 1.13, 1.14	Refrigeration and Air Conditioning, R.S.Khurmi, Chap. 14, Page no. 422-449, Vth edition.	Video, PPT	31/11/20 3/21/2 4/2/2	0	(Plu
7	3	- 7 Feb	4	IV	cascade system, Joules Thomson coefficient, inversion curve, methods of liquefaction of air with analytical treatment.	Activity 1.15	Refrigeration and Air Conditioning, R.S.Khurmi, Chap. 14, Page no. 422-449 Vth edition.	PPT	5 4 2 5 2 4 2 5 2 4 2 5 2 4 5 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	20	





WEI	l Week	SHIER 100	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Assignment/T utorial Date	HOD's sign
8						Description of the last of the	Sessional I			
9	17 - 20 F	eb	3	1	Refrigeration: Introduction, unit of refrigeration, analysis of simple vapour compression refrigeration system,	Activity 1.16	Refrigeration and Air Conditioning, R.S.Khurmi, Chap. 4, Page no. 125-193, Vth edition.	Model and Set Up	1712/120	8
10	24 - 29 Feb		4	-	analysis of simple vapour compression refrigeration system, Refrigeration System: Aqua Ammonia, Lithium Bromide- Water system, effect of sub cooling, superheating on coefficient of performance.	Activity 1.17	Refrigeration and Air Conditioning, R.S.Khurmi, Chap. 4, Page no. 125-193, Vth edition.	PPT and Vide	2412120 2512120 2312120	
11	2 - 7 Ma	r	4	1&11	Study of Vapour Absorption, Refrigerants – Properties, classification, nomenclature, its global warming & ozone depletion potential, montreal protocol, kyoto protocol, alternate refrigerants. Unit II: Compound Vapour Compression Refrigeration system	Activity 1.18,1.19	Refrigeration and Air Conditioning, R.S.Khurm Chap. 8 and 5, Page no. 29 315, 194-233 Vth editio	94-	2/3/20 3/3/20 4/3/20 6/3/20	







CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ME/ 19-20

Date: 16/06/2019

LESSON & TEACHING PLAN

				C	CUMMINS COLLEGE OF EN	GINEERING FOR WOMEN, NAGPUR				Sem:-
aculty	Name: Pro	of. 4. V	1. Da	ndelar		Subject: E. Metallurgy		SEM_3	(2019-20)	3
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	01	06	٥١	Introduction to engineering materials, their classification, their properties and applications, Difference between metals and non-metals, Mechanical properties of materials	Various engineering materials like bolts,tools, measuring devices, electonic parts, plastics	Material science and metallurgy for engineers by KODGIRE, Chp. 1 & 2, Page 1 to 59 and Introduction to physical metallurgy by AVNER, Chp. 2 & 3, Page 65 to 128	ppt/video	23/06/11		
2	02	05	01	Study of crystal structure, polymorphism and allotropy, Microscopic and macroscopic examination, Miller indices, Imperfections in crystal structure, Mechanism of plastic deformation, slip, dislocations and twinning	Thermocol balls, toothpicks	Material science and metallurgy for engineers by KODGIRE, Chp.1 & 2, Page 1 to 59 and Introduction to physical metallurgy by AVNER, Chp.2 & 3, Page 65 to 128	NPTEL video	06/07	02/07	8
3	03	04	62	Solidification of pure metals, nucleation & growth, directional & progressive solidification, Ingot structure, dendritic solidification, solid solutions and their types, Alloy & their formation, mechanical mixture, Hume Rothery rules, Grain shape & size & their effect on the properties, Binary equillibrium diagram, isomorphus system	Student presentations in groups/Quiz	Material science and metallurgy for engineers by KODGIRE, Chp.9, Page 308 to 416 and Introduction to physical metallurgy by AVNER, Chp.4, Page 129 to 146	Conections	18/07		- C
4	64	05	02	Study of Fe-Fe3C diagram, uses & limitations, Invarient reactions, TTT curve, construction & limitations,	drawing the Fe-Fe3C diagram on graph paper & its study in groups for different tasks given by the teacher	Material science and metallurgy for engineers by KODGIRE, Chp.5, Page 159 to 203 Material science and metallurgy for engineers by		25/07		7
	05	63	03	. La surpose	Performing Annealing heta treatment on SAE 1050 steel	Material science and Material Science and KODGIRE, Chp. 11&12, Page 455 to 510 and Introduction to physical metallurgy by AVNER, Chp. 11&12, Page423 to 546	videos, ppt	02/08		





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	ity/ Teaching Aid	Refrence Book - Chapter no. Page no editio.	ICT tools	Completion	Assignment/T	HOD's sign
6	23 July- 27 July			Martempering, Austempering, Hardening, Retained austenite, its effect & elimination., Maraging, Patenting, surface hardening like carburising, Nitriding, induction hardening, flame hardening,	Performing Hardening heta treatment on SAE 1050 steel	Material science and metallurgy for engineers by KODGIRE, Chp.11&12, Page 455 to 510 and Introduction to physical metallurgy by AVNER, Chp.11&12, Page423 to 546	videos, ppt	0310B	utorial Date	\$ 8
7	30 July- 4 Aug			Jominy end quench test for hardenability, Plain carbon steels, classification based on carbon % and applications, limitations, Effect of impurities, alloy steel, effect of various alloying elements.		Material science and metallurgy for engineers by KODGIRE, Chp.3, Page 61 to 144		24(68		*
0						Sessional -I				
9	13 Aug- 18 Aug			Tool steels, its classification, composition & applicationsred hardness, Stainless steel, its classification, composition & applications, Hadfield managnese steel, maraging steel, OHNS steel, selection of steel for various purpose	Discuss various tool steels in class, show tools to the students, discuss on their properties & applications	Material science and metallurgy for engineers by KODGIRE, Chp.14, Page 531 to 560,		(8(08		*
10	20 Aug- 24 Aug			Cast iron, types, white C.L., Grey C.L., Malleable, Nodular, mottled CI, Meehanite alloy,		Introduction to physical metallurgy by AVNER, Chp. 16, Page 605 to 632 "Material science and metallurgy for engineers by KODGIRE, Chp. 10, Page 417 to 454 and Introduction to physical metallurgy by AVNER, Chp. 98 10, Page 349 to 422		31108	31108	R4
	27 Aug- 31 Aug			Bronzes, allumunium alloy, brasses & its types		Material science and metallurgy for engineers by KODGIRE, Chp.12, Page 483 to 510,	ppt	68/09		8
12	3 Sep- 8 Sep			principle of hardness measurement, rockwell tets, vickers test, brinell test for hardness. Introduction to non destructive testing		Material science and metallurgy for engineers by KODGIRE, Chp.3, Page 61 to 144		15/59	12/59	*
3	10 Sep- 15 Sep			Ultrasound, die-penetration test. Radigraphy test, Powder metallurgy- introduction, metal powder & its production, Blending & mixing, Compaction & Sintering, Hot isostatic pressing, secondary processes,		Material science and metallurgy for engineers by KODGIRE, Chp.3, Page 61 to 144	pdf files, ppt, video			
4	7 Sep- 21 Sep			Advantages & limitations& application of PM, few products like elf lubricated bearing, gears & pump rotors, PM products like electric contacts & electrodes, Magnets, diomand impregnated tools		Material science and metallurgy for engineers by KODGIRE, Chp.14, Page 531 to 560, Chp.14, Page 531 to 560	video			
5						Sessional II				

нор







Maharshi Karve Stree Shikshan Samstha's Educating Women for 116 years CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





Lab Practicals Plan

CCOEW/Department of MECH / Odd sem 19-20

Department: Mechanical Engg.	Semster: III Sem
Subject: Machine Drawing	Faculty Name: S. R. Lanjewar

				Batc	h # 1			
Sr. No.	Sheet No.	Content of Sheets	Planned Date	Perform Date	No. Journals received	No. of Viva done	HoD's Remark	Principal
	print	print	print	fill	fill	fill	fill	
1	SI	Conventional representation of Symbols for standard feachers, weld symbols, standard components	3-Jul-19	03 July		19107		
2	S2	Orthographic views of standared components	17-Jul-19	17/07			Blue	
3	S3	Pencil Drawings of sectional views of machine components.	7/31//2019	25/07				
4	S4	Pencil Drawings of some standard components. (e.g. Nut, Bolts, Screws, Screw Fasteners)	7-Aug-19	141.8				
5	S5	Pencil Drawings of standard standard components.(e.g. Keys, cotter, cotter joints & Couplings)	14-Aug-19	28/08		7		
6	S6	Pencil Drawing of a small assembly with components (e.g. Plumer Block)	28-Aug-19	04109				
7	S7	Pencil Drawings of a large assembly with component drawings, using all standard formats (e.g. Screw Jack)	4-Sep-19	04/09			But	
8	S8	Process Sheets for one component having maximum five operations.	11-Sep-19	11/09				
9	S9	Computer Print out on Three Dimension Modeling using CAD software.	18-Sep-19	18/02				

Subject Teacher

HOD

Winger 44111

Dr. Millind Khanapurkar Principal Maharsh Kirva Stres Saksakan Sanethu's Tunnisa Cilliga of Engineening for Monen



Mahars Karve Stree Shikshan Samsth s CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCDEW/ MECH / 19-20

Date: 26 / 06 / 2019

LESSON & TEACHING PLAN

				CUMMINS	COLLEGE OF ENG	INEERING FOR WOMEN, N	NAGPUR					
Faculty	Name: Dr. Sha	ilesh N. I	Chekale			Subject: Manufacturing Processes		SEM -ODD (2	2019-20)		Sen	n:- III
WEEK N	o. Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no.	ICT tools	Completion Date	Assignment Date	Tutorial date	HOD's remark	Principal
				Introduction to casting.	Activity of pouring wax and pouring of water for ice making	1) Manufacturing Science - Ghosh & Malik [37-97]; 2) Workshop		26/6/19)	
1	24 June - 29 June	5	1	Pattern and it's types.	Foundry Shop	Technology (Volume I)- Hajra Chaudhary [306-425];		1/7/19				
				Pattern making: Materials used		3)Manufacturing Technology- P.N.Rao [55-234]	PPT	3/7/19				
				Pattern making allowances.			PPT	3/7/19				
				Color codes. Core making and Types of core. Core material & its properties.		Manufacturing Science - Ghosh &	PPT	4(7)11			Bhy	
	1 July- 6	-	-	Moulding and it's types like sand moulding.	Activity for (sand and clay) moulding	clay) Malik [37-97]; 2) Workshop Technology (Volume I)- Hajra	.com/watch?v=vbmw	5/7/11				
2	July	5	1	Sand composition, Moulding sand properties.	Foundry Shop	Chaudhary [306-425];		6 3111				
				Moulding machines.		3)Manufacturing Technology- P.N.Rao [55-234]	PPT	8719				
				Shell moulding, CO2 moulding.			PPT	16/7/11				
				Gating System and Elements of gating systems			PPT	15/7/19				
				Types of Casting Processes		1) Manufacturing Science - Ghosh &	PPT	15/7/19				
3	8 - 12 July	4	1&2	Sand mould casting	Activity for mould making and pouring wax in mould	Malik [37-97]; 2) Workshop Technology (Volume I)- Hajra Chaudhary [306-425];	PPT	16/7/19				
				Gating design. Pouring equipments, Riser design		3)Manufacturing Technology- P.N.Rao [55-234] from IIT Kharagpur	https://www.youtube .com/watch?v=tFQ7U	17/7/11			Buy	
				Melting furnaces -Types. Electric furnace,	Foundry Shop	114.00 (50-204) HOREHT KHALISPIL	https://www.youtube .com/watch?v=g0A0-				y Garage	
				Induction furnace		1) Manufacturing Science - Ghosh &		18(7) 19				
	15 July - 20			Cupola construction & operation.	Foundry Shop	Malik [37-97]; 2) Workshop Technology (Volume I)- Hajra	PPT	19719				
4	July	5	2	Cleaning inspection		Chaudhary [306-425];	PPT	20/7/19				
			Clearing, inspection Chaudrary [300-425]; 3)Manufacturing Technology-	.com/watch?v=zSPao	1 1 1							







CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/ MECH / 19-20

Date: 26 / 06 / 2019

LESSON & TEACHING PLAN CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR aculty Name: Dr. Shallesh N. Khekale **Subject: Manufacturing Processes** SEM -ODD (2019-20) Sem:- III No. Of WEEK No. Exact Topic Name & Subtopic Assignment Tutorial Activity/ Teaching Aid HOD's Lect Refrence Book - Chapter no. Page no. ICT tools Principal date remark Foundry mechanizing 24 7/19 Special casting processes such as investment Casting .com/watch?v=cptlGz 25 7 19 1) Manufacturing Science - Ghosh & Malik 2) Workshop Technology https://www.youtube 22 Julycentrifugal casting 26/7/1 2 & 3 (Volume I)- Hajra com/watch?v=D5JLkr 2 6/7 | 19 26 July Chaudhary3)Textbook of Production Slush and Die Casting. 29/7/19 Engineering - P.C. Sharma, 4) Soft 29/7/11 notes from IIT Kharagpur https://www.youtube introduction to metal Joining .com/watch?v=elmDv qdeMKI Art Welding Processes. Activity by using soldering 1) Production Technology -R. K. Jain https://www.youtub Gas Welding Processes. .com/watch?v=9gVoig 2) Production Engg. - P.C.Sharma 29 July-16/8/n 3 3)Non-Conventional Manufacturing DAeVY Aug Defects & Inspection of Welding Joints. PPT Processes, H.S. Shan, 4) Soft notes Activity for understanding from IIT Kharagpur lectrodes, weldability of Metals. lectrodes PPT Welding equipments. Fixtures PPT 1) Manufacturing Science - Ghosh & https://www.youtube TIG Welding Malik 2) Workshop Technology com/watch?v=elmDv 5 August -9 (Volume I)- Hajra 5 3 & 4 MIG Welding 21/8/19 Aug om/watch?v=v0SNF Chaudhary3)Textbook of Production 2/8/19 23/8/17 Spot Welding. Engineering - P.C. Sharma, 4) Soft PPT notes from IIT Kharagpur 23/8/19 ntroduction to Forming Process for metals PPT Activity to understand 1) Manufacturing Science - Ghosh & Rolling Forging .com/watch?v=k6iOD drawing Malik 2) Workshop Technology 13 Aug-(Volume I)- Hajra Activity of understanding https://www.youtube 3 18 Aug Chaudhary3)Textbook of Production Extrusion, Drawing extrusion .com/watch?v=T9N1jv Engineering - P.C. Sharma, 4) Soft 9lxd4 notes from IIT Kharagpur I) Manufacturing Science - Ghosh & Determination of Rolling pressure and roll specification com/watch?v=AuuP8 Malik 2) Workshop Technology (Volume I)- Hajra 19Aug -23 https://www.youtube 3 Drive force and torque, power loss in bearing Aug Chaudhary3)Textbook of Production haudhary3)Textbook of Production com/watch?v=vWle Engineering - P.C. Sharma, 4) Soft https://www.youtube termination of forging forces and stresses notes from IIT Kharagpur com/watch?v=xzi60B









Mahars' Karve Stree Shikshan Samsth s CUMMINS COLVEGE OF ENGINEERING FOR WOMEN Starpening Engineering Acumen with a difference



CCOEW/ MECH / 19-20

Date: 26 / 06 / 2019

LESSON & TEACHING PLAN

				CUMN	INS COLLEGE OF ENG	SINEERING FOR WOMEN,	NAGPUR					
Faculty I	Name: Dr. Sha	llesh N. I	Chekale			Subject: Manufacturing Processes		SEM -ODD (2	2019-20)		Sei	n:- III
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no.	ICT tools	Completion Date	Assignment Date	Tutorial date	HOD's remark	Principal
				Equipment (hammer/press) capacity required.		400	PPT	29 (9/11				
10	26 Aug- 31	3	40.5	Introduction to Press Working	Activity of understanding Press	Manufacturing Science - Ghosh & Malik 2) Workshop Technology Old - Declaration - Declaration - Control - Declaration - Dec	.com/watch?v=T8R2dc	1111				
10	Aug.	3	4 & 5	Classification of Press Working,		(Volume I)- Hajra Chaudhary3)Textbook of Production	https://www.youtube	1				
				Types of presses and Press terminology		Engineering - P.C. Sharma, 4) Soft notes from IIT Kharagpur	com/watch?v=gTuPkr https://www.youtube .com/watch?v=NP0BT)~(11			(a) .	
				Force analysis in press, Die cutting operation		1) 1/ / / / / / / / / / / / / / / / / /	nfO2gA https://www.youtube	26/9/19			- Steep	
	3 Sept - 7			Types of dies, Die and punch allowance		Manufacturing Science - Ghosh & Malik 2) Workshop Technology	.com/watch?v=74zPY https://www.youtube	2		1		
11	Sept	4	5	Introduction to shaping operations	Activity to understand shaping	(Volume I)- Hajra .com Chaudhary3)Textbook of Production Engineering - P.C. Sharma, 4) Soft	.com/watch?v=qTuPkr PPT	\$27/1/19				
				Introduction to bending, forming and drawing.	Activity to understand bending		.com/watch?v=L0YgS	1				
				Introduction to Plastics		1) Manufacturing Science - Ghosh &		4/9/19		7		
12	9 Sept- 13	4	5&6	Properties of plastics		Malik 2) Workshop Technology (Volume I)- Hajra	PPT	7				
	Sept		200	Types of Plasics		Chaudhary3)Textbook of Production Engineering - P.C. Sharma, 4) Soft	PPT	19/19			1 - 1	
				Applications of plastes		notes from IIT Kharagpur	PPT	14411				
				Introduction of Forming & Shaping of plastics			https://www.youtube	7				
	16 Sept- 21			Extrusion, injection moulding	Activity to understand extrusion	Manufacturing Science - Ghosh & Malik 2) Workshop Technology	.com/watch?v=on16lt .com/watch?v=WaB-	7719/19		/	Bleef	
13	Sept	5	6	Blow moulding, Wire drawing	Activity to understand wire drawing	(Volume I)- Hajra Chaudhary3)Textbook of Production	https://www.youtube .com/watch?v=b1U9W	18/9/19		1	7	
				Compression and Transfer moulding		Engineering - P.C. Sharma, 4) Soft notes from ITT Kharagpur	https://www.youtube .com/watch?v=b1U9W	19/9/19				
				Embossing, Calendaring.		notes nout in Rharagpur	PPT	20/9/19				
17/09/	2017 to	21/09/20	17	Internal Pracetical / Final Submission								
24/09/	2017 to :	30/09/20	17		Se	ssional - II	Charles of the last	N. S. YARRIN				

Faculty

Hingno, Hogper-441111



H. O. D.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/ME/ 19-20

Date: 20/06/ 2019

A

HOD

LESSON & TEACHING PLAN

				Departme	ent of Mecl	nanical Engineerin	ng			
Faculty	Name: Prof	. Prasa	nna M	ahankar		Subject: Heat Transfer		SEM: V (2019-20)		
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
		Lecti	#000000000					2416119		
1				Introduction to basic modes of heat transfer,		Heat & Mass		2016119		
1	1000		1	conduction, convection & radiation. Laws of heat transfer & conservation of energy	Activity 1.1,			26/6/19		\a
1	24-29 June	6	1	requirement. General heat conduction	1.2,1.3	Rajput. Ch. 1 & 2, Page 1-24, 27-37,		27/6/19		Comy
	-			equation in cartesian, cylindrical and	1.4,2.5	5th Edition		28/6/19		
			1	spherical coordinates.				29/6/19		J
	-							117119		
		15	388	a li manianal stoody state heat		Heat & Mass		2/7/19		
				One dimensional steady state heat conduction equation for the plane wall,	Activity 1.6	Transfer by R K	PPT	3/7/19		
2	1-6 July	6	1	cylinder and sphere, overall heat transfer coefficient. Thermal resistance of composite	1.11	35-132, 5th		41719		10 mily
	1		1	structure,		Edition	1 2 3 3 3 3 3	5/2/19		
	1000	100			100			617110		
			-					617119		
1	1 18 18		100			Heat & Mass	/	817119		
				Unit I contact resistance variable thermal	1		1 1			

Faculty in Charge





WEEK	Week	No. Of	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
		Lect.	1&11	conductivity, Unit 2 :	Activity	Transfer by R.K. Rajput, Ch. 2, Page	PPT	1017119		
3	8-12 July	4	18411	Conduction with internal heat generation for plane wall, cylinder and sphere.	1.12 to 1.15	142-200, 5th Edition		1017119		Shur
						24111511		1110119	פורווו	1
								15/2/10) 1	
				Extended surface, types of fins. Fins of		Heat & Mass		1617119		-
				uniform cross section area, temperature	Activity	Transfer by R.K.	NPTEL	1212/10	THE R. P. LEWIS CO., LANSING, MICH.	
4	15-20 July	6	11	distribution, heat transfer rate, fin efficiency	1.16 to 1.21	Rajput, Ch. 2, Page 203-250, 5th	NI IEE	22/211	9	
				& effectiveness.Error in temperature measurement.		Edition		23/7/10	1	
		7		III.				241711	9	
								25/2/10	7	1 Gmy
			1			Heat & Mass		25/2/10		
				Unsteady state heat transfer, lumped heat capacity analysis, Heisler's charts. Biot	Activity	Transfer by R.K.	Video and PPT	261711	9	
5	22-26 July	5	n	Number, Fourier's Number & its significance	The second secon	Rajput, Ch. 4, Page 290-336, 5th	Video allu FFT	27/7/10		
				Tutorial		Edition		28/2/19		
										1
				Forced convection, Concept of hydrodynamics & thermal boundary layer	Activity	Heat & Mass Transfer by R.K. Rajput, Ch.7, Page	РРТ	2917119		Rhy
6	29-Jul	1	-	thickness,	1.27	373 -492, 5th Edition				

₩ HOD





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Assignment/T HOD's sign
7						Sessional I		
8	5-9 Aug	5	111	Unit III: local and average heat transfer coefficient. physical significance of non-dimensional parameter. Flow of high, moderate & low Prandtl number, fluid flow over a flat plate. Empirical co-relations for external, internal flows, laminar & turbulent flow through conduits. Tutorial	Activity 1.28 to 1.32	Heat & Mass Transfer by R.K. Rajput, Ch.7 & 8, Page 373 -492,	Video	5 8 19 6 8 19 7 8 19 7 8 19
9	12-17 Aug	4	III &	Dimensional analysis applied to forced convection. Pool boiling curve & regimes of pool boiling, Film & Drop wise condensation, laminar film condensation on vertical surface, on horizontal tubes, effect of super heated & non-condensable gases on condensation heat transfer, Tutorial Unit IV: Unit IV: Free or natural convection.	Activity 1.33 to 1.36	Heat & Mass Transfer by R.K. Rajput 506-530, 539-570,5th Edition	PPT and Video	9/8/19 9/8/19 9/8/19 13/8/19 14/8/19
10	19-23 Auչ	g 5	IV	Grashoff's number, Rayleigh number, flow over horizontal and vertical plate, Empirical Co-relations for cylinders and spheres, heat transfer with phase change,	Activity	Heat & Mass Transfer by R.K. Rajput 539-570, 673-687, 5th Edition	PPT	16/8/19 19/8/19 19/8/19 20/8/19 21/8/19 21/8/19







WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Assignment/T HOD's sign
11	26-31 Aug	2	IV & V	Unit V: Radiation, spectrum of radiation, black body radiation, radiation intensity, laws of radiation-Kirchoffs, Plancks, Weins displacement law, Stefan Boltzmann &	Activity 1.42 to 1.45	Heat & Mass Transfer by R.K. Rajput Page 688- 764, 5th Edition	РРТ	23/8/19 2-7/8/19
12	3-7 Sept.	4	V	Emissivity, Absorbtivity, Transmissivity, Reflectivity, Radiosity, Emissive power, Irradiation. Radiation network, , shape factor & its laws,	Activity - 1.45 to 1.48	Heat & Mass Transfer by R.K. Rajput 574- 669,5th Edition	PPT and Video	\$alig 4 alig 5 0 19 9 0119
13	9-13 Sept	4	V& VI	Radiation exchange between parallel plate cylinder & sphere Heat exchanger: Classification, overall heat transfer coefficient, fouling factor, LMTD & effectiveness, NTU method of heat exchanger analysis for parallel,	Activity	Heat & Mass Transfer by R.K. Rajput 574-669, 5th Edition	PPT and Video	10/9/19 16/9/19 / 11/9/19 / 13/9/19 /
14	16-21 Sep	t 6	VI	Counter flow & cross flow arrangement, design aspect of heat exchangers, Introduction to compact heat exchanger, Heat Pipe, Tutorial	Activity 1.54 to 1.59	Heat & Mass Transfer by R.K. Rajput 574-669, 5th Edition	PPT and Video	19/9/19 19/9/19 19/9/19 20/9/19 24/9/19
15	23-Sep	1	VI	Introduction to mass transfer.	Activity 1.60		PPT and Video	2519/19
16						Sessiona		









Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan

SESSION: 2019-20

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR

Facu	lty Name: Prof. P. S. Mahankar	Subject: HT (Pr)	V Sem	Department: 1	месн		No. of B	atches: 02
					Batch #	1		
PR	Name of experiment		Planned Date	Perform Date	No. Journals received	No. of Viva done	HoD's Remark	Principal
P1	Determination of thermal conductivity of metal rod		7/3/2019	1017119		-	7	
P2	Determination of temperature distribution of heat tranunder (a) Forced convection (b)Free convection	nsfer plate from a fin	7/10/2019	17/7/19				
P3	To determine heat transfer coefficient in forced conve	ction.	7/17/2019	24/7/19			2	
P4	Determination of Stephen-Boltzmann constant		7/24/2019	718119				
P5	Determination of condensation heat transfer in a film nodes.	wise & drop wise	8/7/2019	14/8/19				
P6	To determine heat transfer rate, overall heat transfer effectiveness of parallel and counter flow heat exchan		8/14/2019	21/8/19			OD.	
P7	To determine heat transfer coefficient in natural converging cylindrical bar.	ection for horizontal	8/21/2019	28/8/19			9	
P8	Study of heat pipes.		8/28/2019	8419119				
P9	To study heat transfer enhancement due to increase in	n turbulence	9/4/2019	28/8/19				

LAB INCHARGE

HOD-ME







Maha i Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/MECH/ 18-19

Date: 10/06/2019

LESSON & TEACHING PLAN

Faculty	Name: Prof	. Sushil R	. Lanjev	war		Subject: APP		ODD SEM	M (2019-20)	Sem:- 5th
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity / Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
I	24 June - 29 June	5	1	Introduction to Basic Production processes, Tools used in manufacturing, cutting tool material used in manufacturing, Non- conventional machining Processes: Introduction & classification,		Manufactruing Processes By J P Kaushish Pg. 773-797		xe(0.0		
2	1 July - 6 July	5	1	Electrochemical machining, Electrical Discharge, Ultrasonic machining advantages, disadvantages and applications of above processes.		Manufactruing Processes By J P Kaushish Pg. 773-797	PPT, Vedios, Soft notes from IIT Kharagpur	02/07		8 mg
3	8 July - 13 July	5	1	Laser beam machining, Electron beam machining, Water jet machining, Abrasive jet machining Advantages, disadvantages and applications of above processes.		Manufactruing Processes By J P Kaushish Pg. 773-797	PPT, Vedios,	06/07	06/07	
4	15 July - 20 July	5	2	Advanced joining Processes: Introduction and classification of welding techniques, Advanced welding processes such as TIG, MIG welding,		Manufactruing Processes By J P Kaushish Pg. 501-609	Vedios,	96 07) aut
5	22 July - 27 July	5	2	Plasma arc welding, Oxyacetylene welding Atomic hydrogen welding, Laser beam welding, construction, working, applicationa, advantages and disadvantages		Manufactruing Processes By J P Kaushish Pg. 501-609	Vedios,	93/07		







Mahar i Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/MECH/ 18-19

Date: 10/06/2019

LESSON & TEACHING PLAN

Faculty	Name: Prof	Sushil R.	Lanjev	var		Subject: APP		ODD SEN	1 (2019-20)	Sem:- 5th
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity / Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
6	30 July - 3 Aug		2	Electron beam welding, Electro slag welding, construction, working, applicationa, advantages and disadvantages		Manufactruing Processes By J P Kaushish Pg. 501-609	Vedios,	23/17		
7	5 Auj - 10 Aug			Electron beam welding, Electro slag welding, construction, working, applicationa, advantages and disadvantages		Manufactruing Processes By J P Kaushish Pg. 501-609	Vedios,	26 07		· John
8	12 Aug - 17 Aug				S	essional I				
9	19 Aug - 24 Aug			Introduction to micromachining, nanofabrication, high energy rate forming.		Manufactruing Processes By J P Kaushish Pg. 722-723		67/88	6.3/08 Tutorial	Buy
10	26 Aug - 31 Aug		4	Die cutting operations: Introduction, Sheet metal cutting, Sheet metal forming, Sheet metal drawing,		Manufactruing Processes By J P Kaushish Pg. 666-690	PPT, Vedios,	16/08	dee. 2	







Mahar Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/MECH/ 18-19

Date: 10/06/2019

LESSON & TEACHING PLAN

aculty	Name: Prof	Sushil R.	Lanjev	var		Subject: APP		ODD SEN	M (2019-20)	Sem:- 5tl
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity / Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sig
11	2 Sep - 7 Sep			defects in drawn parts, Spinning, Equipments for sheet metal working, Die and punch.		Manufactruing Processes By J P Kaushish Pg. 666-690	PPT, Vedios,	24/09		
12	9 Sep - 14 Sep		5	Jigs and fixtures: Introduction, principles of jig and fixture, Principle of location, jig bushes,		Manufactruing Processes By J P Kaushish Pg. 840-874	PPT, Vedios,	07/09		Almy
13	16 Sep - 21 Sep		5	Drilling jigs, type of clamps, classification of fixtures.		Manufactruing Processes By J P Kaushish Pg. 840-874	PPT, Vedios,	18/04		
14	23-Sep		6	Super finishing processes: Introduction, Principle operation of super finishing process, Lapping, Honing, Buffing & Electroplating, advantages, disadvantages and applications of above processes.		Manufactruing Processes By J P Kaushish Pg. 480-484, 901-903	PPT, Vedios,	26/09.		
15	24 Sep - 30 Sep				Se	essional II				

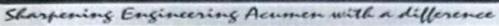
Faculty Incharge

HoD

Dr. Millind Khanapurkar Principal Maharah Karva Stree Shakana Sanethal Sunnisa College of Engineering for Woose



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/MECH / 19-20

Date: 17/06/2019

LESSON & TEACHING PLAN

				CUMMINS CO	OLLEGE OF ENGINEERI	NG FOR WOMEN, NA	GPUR			
aculty	Name: Prof. 1	Vikram Da	ndekar			Subject: DME		5th SEM	(2019-20)	Sem:- 000
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOO's sign
1	24-29 June	6	1	Introduction to mechanical engineering design, design methods.	will take examples of product, what modification or alteration will possible.	Machine Design By Khurmi Gupta ch.1.pg.1-8	show PPTs on design Aspects	24 6 25 6 26 6		
2	1-6 July	6	1	Material properties and their uses in design.basic principal of machine design, modes of failure, I.S.codes, preffered series and numbers.	discuss about various metals and use in making products	Machine Design By Khurmi Gupta ch.2.pg.16-52	show PPTs on design Aspects	24/6	22/6/19	Shut
3	8-11 July	6	1	Design of knuckle joint, socket and spigot type cotter joints. Design of riveted joints, Aesthetic and ergonomics consideration in design.	will make joint model with mud and chk its failure by loading	Machine Design By Khurmi Gupta ch.9.pg.281-340	show videas on joints	217 317 417		· Brug
	15-20 July	6	2	Design of bolted Joints. Design of welded joints under axial and eccentric loading condition.	discuss on clamps fixed on wall of classroom.	Machine Design By Khurmi Gupta ch.1.pg.8-17	show videos on joints	5/7		

Faculty in Charge







WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
5	22-26 July	5	2	Design of cylinder and pressure vessels: Types of pressure vessel, stresses induced in pressure vessel, lame's, clavarino's and bernie's equation.	discuss on water bottle and various vessels.	Machine Design By Khurmi Gupta ch.7.pg.224-260	show videos on pr.vessels	017		Buy
6	29 July-3 Aug					Sessional	1			
7	5-9 Aug	5	2	Design of cylinder and pressure vessels: Types of pressure vessel, stresses induced in pressure vessel, lame's, clavarino's and bernie's equation.	discuss on water bottle and various vessels.	Machine Design By Khurmi Gupta ch.7.pg.224-261	show videos on pr.vessels.	16/7 17/7 18/7		Day .
	13-17 Aug	6	3	Design of shaft for - power transmitting, power distribution under static and fatigue criteria, Design of keys, ASME codes for shaft.	shaft models made by sticks and bending	Machine Design By Khurmi Gupta ch.13.pg.470-508	NPTEL video	1917		
9	19-23 Aug	5	3	Design of springs: spring material, helical compression, tension springs under static and variable loads.	spring shown on college bus.	Machine Design By Khurmi Gupta ch.23.pg.820-844	videos on soring house	22/7		

Saley.





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
10	26-31 Aug	6	3&4	Design for fatigue loading, leaf spring,laminated springs.Design of power screw: Forms of threads, multiple threaded screws, terminology of power screw.	leaf spring shown on college bus.	Machine Design By Khurmi Gupta ch.23.pg.845-884	NPTEL video	26 7 29 7 13 8 14 8 16 8		
11	3 - 7 Sep	5	4	Design of screw jack.Problems on screw jack.	screw jack model and working will show	Machine Design By Khurmi Gupta ch.17.pg.624-676	PPT on screw jack	319 719 1019		
12	09-14 Sep	6	4	Design of clutches and brakes: Single and multiple plate clutch, constant wear and constant pressure theory for plate clutches, Internal and external shoe brakes.	Brakes and clutch models will show	Machine Design By Khurmi Gupta ch.24,25.pg.885- 961	video on brakes and clutches	1119 1319 1919		
13	16-21 Sep			No.	Int	ernal practical and Fin	al submission			
14	23-27 Sep	100				Sessional II				

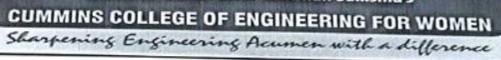


Dr. Millind Khanapurkar Principal Maharah Kara 'umaina Chings of Engineering to Woma Sungas, Nagau-44118.

Faculty in Charge



Maharshi Karve Stree Shikshan Samstha's





CCOEW/MECH / 19-20

Date: 17/06/2019

LESSON & TEACHING PLAN

				CUMMINS CO	OLLEGE OF ENGINEERI	NG FOR WOMEN, NAC	SPUR			3-1-1-1
aculty	Name: Prof.	Vikram Da	ndekar			Subject: MMM		5th SEM	(2019-20)	Sem:- ODD
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	24-29 June	6	1	Purpose, structure and elements of measuring system. Static characteristics of measurement system, elements including systematic, statistical characteristics, generalized model of system elements and	Available instrument show and explain how to calibrate	Mechanical Measurement & Control By Dr. D.S. Kumar Page no 1-30	Own PPT and Videos downloaded	24 6 25 6 26 6		Bony
2	1-6 July	6	1	calibration. Error measurement, error probability density function, error reduction. Introduction to dynamic characteristics of measurement system. Introduction to noise in measurement system.		Mechanical Measurement & Control By Dr. D.S. Kumar Page no 33- 150	Own PPT and Videos downloaded	27 6 29 6 1 7 2 7	2/7/19	Capping
3	8-11 July	6	2	Classification, Principle, Sensing elements, Signal conditioning elements, Construction, Range and working of instruments for measurement of Linear	Showing available Pressure Measuring Instruments	Mechanical Measurement & Control By Dr. D.S. Kumar	Own PPT and Videos downloaded	317 417 917		O Bany
4	15-20 July	6	2	and Angular Displacement, Speed, Load, Strain, Force, Torque and Power. (Analytical treatment not included)	Showing available Temperature Measuring instruments	Mechanical Measurement & Control By Dr. D.S. Kumar	Own PPT and Videos downloaded	117		

Faculty in Charge





WEE No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
5	22-26 July	5	3	Classification, Principle, Sensing elements, Signal conditioning elements, Construction, Range and working of instruments for measurement of Pressure, Vacuum, Sound, Light and Temperature. (Analytical treatment not included)		Mechanical Measurement & Control By Dr. D.S. Kumar	Own PPT and Videos downloaded	18/7 22/7 23/7 28/7	1847 2247 23 7 2749	Burg
6	29 July-3 Aug					Sessional I				7
7	5-9 Aug	5	4	Standards of Measurement, Line, End and Wavelength standard. Working standards, Requirement of Interchangeability, Allowance and Tolerance, Selective assembly. Measurement of Straightness and Flatness.	Showing available Force Measuring Instruments	Mechanical Measurement & Control By Dr. D.S. Kumar	Own PPT and Videos downloaded	29/7 13/8 14/8		
	13-17 Aug	6	4	Instruments for Linear and Angular Measurement. (Vernier, Angle gauge, Sine bar, Level Indicator, Clinometers and Taper gauge)		Mechanical Measurement & Control By Dr. D.S. Kumar	Own PPT and Videos downloaded	20 8 22 8 27 8		
9	19-23 Aug	5	5	Limits and Fits, Tolerance analysis of Limits and Fits, Types of limit gauges,	Using Vernier, SINE bar, gauges	Mechanical Measurement & Control By Dr. D.S. Kumar	Own PPT and Videos downloaded	319 419 519		

Blue





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
10	26-31 Aug	6	5	Types of fit, Shaft and Hole basis system, Design of Limit gauge and Process planning sheet (Numerical treatment is expected).	By creating/Manufacturing GO/NO-GO gauges	Mechanical Measurement & Control By Dr. D.S. Kumar	Own PPT and Videos downloaded	1619		
11	3 - 7 Sep	5	6	Comparators: Mechanical, Optical, Electrical, Electronic, Pneumatic. Study and use of Optical profile projectors,		Mechanical Measurement & Control By Dr. D.S. Kumar	Own PPT and Videos downloaded	1719 1819 1919		
12	09-14 Sep	6	6	Tool maker's microscope and Autocollimator. Measurement of Screw thread and Gear tooth.		Mechanical Measurement & Control By Dr. D.S. Kumar	Own PPT and Videos downloaded			
13	16-21 Sep				Int	ernal practical and Fin	al submission			
14	23-27 Sep					Sessional II				

Bug







CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Cummins

Date: 5/08/2020

CCOEW/ME/ 20-21

LESSON & TEACHING PLAN Department of Mechanical Engineering Energy Convenion II SEM: VII (2020-21) Faculty Name: P of. Prasanna Mahankar

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Pag : no, edition. No	Link for quiz or poll	Completion Assignment/T utorial Date HOD's sign	
		Lecu		Internal Combustion Engines: Introduction, classification, components of I.C.Engines, working of four stroke S.I.	ME7ECII7W1D100820L01	EC2_ICE_1	EC2_ICE_ V1	1			10/8/20	
				working of two stroke and four stroke C.I. Engines,	ME7ECH7W1D110820L02	EC2_ICE_1	EC2_45 an25_V2				1118120	
	10 - 14	5	III	valve and port timing diagram. Advantages and disadvantages, applications.	ME7ECII7W1D120820L03	EC2_ICE_1	EC2_VT_V 3		Pages 1-42, 4th	https://forms.gle/hPhugk 11XaoLUJXm6	1218120	
No. of Concession,	Aug 20			Combustion in S. I. Engine, stages of combustion, ignition lag, detonation.	ME7ECII7W1D130820L04	EC2_ICE_1	EC2_Co mb_V4	https://vcal- iitk_vlabs.ac.in/list.ht ml	Edition		13 8 20	
				Combustion in C. I. Engine, stages of combustion, delay period, diesel knock, abnormal combustion in S.I. and C.I. engines, detonation and knocking	ME7ECH7W1D140820L05	EC2_ICE_1	EC2_CC MB_V5				1619120	
				Fuel supply to S. I. Engine, carburetion, simple carburetor, components, operation	ME7ECII7W2D170820L06	EC2_ICE_1	EC2_Fuei V6				1018/20	
				MPFI, Fuel supply to C. I. Engine,	ME7ECII7W2D180820L07	EC2_ICE_1	EC2_MPI		IC Engine by V. Ganesan, Ch. 7 and 11, Pages 189-238, 323-355, 4th			1819120
	17- 21 Aug	5	III &	air injection system, solid injection, fuel pump & fuel injector.	ME7ECII7W2D190820L08	EC2_ICE_1	EC2_Inje	ct		https://forms.gle/hPh	1918120	
1	20		10	Unit 4 Testing of I. C. Engines: Performance parameters, measurement of indicated, friction & brake power, measurement of speed, fuel & air consumption,	ME7ECII7W2D200820L09	EC2_ICE_2			Edition		2018120	
-				calculation of indicated & brake thermal efficiency, volumetric efficiency, relative efficiency and mechanical efficiency, percentage of excess air.	ME7ECII7W2D210820L10	EC2_ICE_2					2418120	
1	1			Numerical	ME7ECII7W3D240820L11	EC2_ICE_2	2	A PROPERTY OF			24/0/20	
-				Heat balance sheet, exhaust gas calorimeter,	ME7ECII7W3D250820L12	EC2_ICE_	2				2518120	

Faculty in Charge





WEEK No.	Week	No. Of	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	Link for quiz or poll	Completion Date	Assignment/T utorial Date	HOD's sign
3	24 - 29 Aug 20	Lect.	181	Numerical	ME7ECII7W3D260820L13	EC2_ICE_2			IC Engine by V. Ganesan, Ch. 8 & 9, Pages 241-287. Ch. 15, Pages 457-	https://forms.gle/hPhugk 11XaolUJXm6	2518120		
	Aug 20			Numerical	ME7ECII7W3D270820L14	EC2_ICE_2			571, 4th Edition		26/8/2	0	
				performance characteristics, factors influencing the performance of I.C. engines, performance analysis of single and multi cylinder I. C. engines	ME7ECII7W3D280820L15	EC2_ICE_2					2/18/2	D	-
				performance analysis of single and multi cylinder I. C. engines	ME7ECII7W4D310820L16	EC2_ICE_2					28/8/2	20	
				Numerical	ME7ECII7W4D020920L17	EC2_ICE_2					2918	120	
				Numerical	ME7ECII7W4D030920L18	EC2_ICE_2			Thermal Engineering, R. K Rajput	https://forms.gle/hPhuj 11XaoLUJXm6	31181	20	
4	31 Aug - 5 Sept. 20	5	1	Air Compressors: Introduction, classification, applications. Positive displacement Compressors: Reciprocating compressors: Construction and working, sothermal, polytropic & adiabatic compression process,	ME7ECII7W4D040920L19	EC2_Compr ssor_1	EC2_Com pressor_\ 9		Pages 676-717, 9th Edition	TIAGOLOMINO	11915	10	
				Reciprocating Air Compessor : Work done with and without clearance, P-V diagram, volumetric efficiency,	ME7ECII7W4D050920L20	EC2_Compr	e EC2_Com pressor_\				2191	120	
				effect of clearance, isothermal efficiency,	ME7ECII7W5D070920L21	EC2_Compr	e				3191	20	
1				Numerical	ME7ECII7W5D080920L22	EC2_Compossor_1	e				4191	20	
1	12 Sept			methods for improving isothermal efficiency, volumetric efficiency, mechanical efficiency,	ME7ECII7W5D090920L23	EC2_Comp ssor_1	e		Thermal Engineering, R Rajput	. K. https://forms.gle/hf		120	
1	-12 Sept. 20	6	"	Numerical	ME7ECI17W5D100920L24	EC2_Comp ssor_1	re		Pages 676- 717,9th Editi			1/20	
1			,	Multistage compression, intercooling, condition for minimum work input	ME7ECH7W5D110920L25	EC2_Comp ssor_1	re EC2_Co pressor_ 10					1/20	
-				Numerical	ME7ECII7W5D120920L26	EC2_Comp	re				91	9/20	
-				Numerical	ME7ECII7W6D140920L27	EC2_Comp	re	The state of					







Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/AS / 18-19

Date: 09/12/2019

LESSON & TEACHING PLAN

Department of Mechanical Engineering

Facul	dty Name: Prof. SUSHIL R. LANJEWAR		Subject: A	utomation In Production		Year:	2019-20	Sem:- VIII		
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	4-	6 Dec			RTMNU Exaterna	Practical Exam	ination			
2	9 -	14 Dec	:		Skill develo	pment Peogram				
3	16- 21 Dec	4	1	Definition, types, reasons, strategies for automating, arguments for and against automation. Organization and information processing in manufacturing	Group/ Each of students make search papers for New Trends in Automation & Make some charts	Automation, Production systems, & Computer Integreted Manufacturing By, M. P. Groover Pg. No. 6-21, 401-411.	PPT, Videos	18/12		7
4	23-28 Dec	4	1	Automated Flow 'Lines- Methods of work part transport, Buffer storage Analysis of flow lines -General terminology and analysis, analysis of transfer lines without storage	making some small models for work part transport	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 448- 460		28/12		Blays
5	30 Dec - 4 Jan	4	1	partial automation, manual assembly lines. Line Balancing Problem, Methods of line balancing. (Largest Candidate Rule & RPW) (L.C.R., RPW only)		Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 448- 460, 142-181, 188-212		30/12	/	
6	6 - 11 Jan	4	2	Numerical Control Production Systems -Basic concepts, coordinate system and machine motion. Types of NC systems -Point to point, straight cut and continuous path.	Making some mdels & posters for NC & CNC	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 142- 181, 188-212	PPT	02/017	06/0/	By



Dr. Millind Khanapurkar Principal Maharah Karva Stras Shikana Sanetha'i Turnina Critiqui of Loyineeting for Woster Hoppa, Nappur-41111

WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
7	13-18 Jan	4	2	Machine control unit and other components, part programming and tape formats, method of part programming, Introductionof manual part programming (NC words) Numericals on Lathe & Milling	Hadns on Practice on MPP	Automation, Production systems, & Computer Integreted Manufacturing By M. P. Groover, Pg. No. 142- 181, 188-212 CNC Machines By. P.N. Pabla Pg. No. 55-70	Working on MTAB MCU	18/01	96/01	Bur
8	20-	-25 Jan			Anannya Cultural I	Festival & Alur	nne meet			
9	27 Jan -1 Feb	4	2	APT programming in details, Directed numerical control. Computer numerical control. Adaptive control. Applications of NC.	Hadns on Practice on APT using CAM module software	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover, Pg. No. 188- 212 CNC Machines By. P.N. Pabla Pg. No. 53-70		15/01		اسلاها
10	3 - 8 Feb	4	3	Industrial Robotics -Introduction, robot anatomy, accuracy and repeatability and other specifications, end effectors, sensors, introduction to robot programming, safety monitoring.	with the help Arduino use of Sensors	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 214- 247	IIT lecturs, Videos	80/01		193
11	10 -	15 Fe	b		Sess	sinal - I			No. for	J
12	17-22 Feb	4	3	Robotapplications -Characteristics of robot applications, work cell layout, robot applications in materialhandling, processing, assembly and inspection.		Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 214- 247	IIT lecturs, Videos	16/2		Saul
13	24 - 29 Feb	4	4	Automated material handling & storage: Automated Guided Vehicle Systems -Types: Driverlesstrains, AGVS pallet trucks, AGVS unit-load carriers. Vehicle guidance & routing, Traffic control &safety, System management, Analysis of AGVS systems, AGVS applications.	with the help of final year projects students will do different programmings for AGVs	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 214- 247, 274-	IIT lecturs, Videos, PPT	29/02		(a) at
14	2 - 7 Mar	4	4	Automated Storage & Retrieval System Types: Unit load AS/RS, mini load AS/RS, man on board AS/RS, automated item retrieval system, deep lane AS/RS - Basic components & special features of AS/RS. Carousel storage systems, work in process quantitative analysis.	Industrial Visit	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 276- 305		67/03		



A CANADA


WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
15	9 - 14 Mar	4	5	Automated inspection & Group technology: Automated inspection principles & methods -100% automated inspection, off-line & on -line inspection, distributed inspection & final inspection; Sensor technologies to; automated inspection, coordinate, measuring Machine Construction, operation &	Industrial Visit	Typically at Company	IIT lecturs, Videos, PPT	14/03		0
16	16-21 Mar	4	5	Machine vision image acquisition & digitization, image processing & analysis, interpretation, machine vision applications, Group Technology. Part families, parts classification & coding, Opitz classification systems production. Flow analysis: Machine cell design -composite pat concept, types of cell design, best machine arrangement, benefits of group technology.	at wokshop students will separate the different tools / work pieses to understand the Part familty	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 507- 530, 540-560	IIT lecturs, Videos, PPT	21/03) (Bhy
17	23- 31 Mar	6	6		Group of students will make mini model FMS system	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 540– 560, 720-732, 749	IIT lecturs, Videos, PPT	31/03	4	Bhy
18	1 -	8 Apri	1	-	Sess	sinal - II			<i></i>	

Academic Coordinator

Hingra, Nagper-141111

Dr. Millind Khanapurkar Principal Maharsh Karve Stree Shirkshan Sanetha'i Junnies College of Engineering for Woose Migna, Naport-49110.



Mahar i Karve Stree Shikshan Samstha CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/MECH/ 19-20

Date: 26/6 / 2019

LESSON & TEACHING PLAN

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR

ra multo	Name: Dr.	Shailesh K	hekale			Subject: DMD		SEM -ODD	(2019-20)		Sem	:-VII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment Date	Tutorial date	HOD's remark	Principal
1	24 June - 29 June	5	1	Coupling: Types of shaft coupling, design of flange coupling, flexible bush coupling.	Discussion with models and couplings at workshop	Machine Design By Khurmi Gupta , V.B Bhandari (330 - 370)	https://www.youtube.co m/watch?v=kJl08Pk-xl4	20/8/11				
2	1 July- 6 July	5	1	Flywheel: Functions, Coefficient of fluctuation of energy and Coefficien of fluctuation of speed, energy store in flywheel, stresses in flywheel, design of flywheel.	Discussion		https://www.slideshare.n et/VikasDeulgaonkar/flyw heelppt https://www.youtube.co m/watch?v=xngqym8XZV https://www.slideshare.r et/VikasDeulgaonkar/flyw heelppt	23/9/19			(3) my	
3	8 - 12 July	4	1	Design of Bearings: Lubrication, Types of Lubrication, oil seals, design of hydrodynamic journal bearings for radial loads	Discussion with model:		https://www.youtube.co m/watch?v=dEn2Qvh_qi https://www.youtube.co m/watch?v=Mybf-XCA4h					
4	15 July - 20 July	5	1	Selection of ball and roller bearing for radial and thrust loads. Failures antifriction bearing, bearing housin	of with model	Knurnu Gupta, v.	8 e.com/watch?v=xnt 8xqBXwE	9 22/7/19			1 By	1
5	22 July- 26 July	4	2	Design of Flat belt drive: Types of belts & belt material, analysis of be tension, condition for transmitting maximum power, design of flat belt, flat belt pulley.	It	Machine Desigr By Khurmi Gupta , V.B Bhandari	https://www.yout e.com/watch?v=tPt iiSamI https://www.yout e.com/watch?v=cf. 1bhdtn8	ub dw ub AK	27/27/18	nal71	19	

Faculty in Charge

HOD





Sti



Mahar I Karve Stree Shikshan Samsths CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/MECH/ 19-20

OIN

Date: 26/6 / 2019

LESSON & TEACHING PLAN

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR

Faculty	y Name: Dr.	Shailesh N	hekale			Subject: DMD		SEM -ODD	(2019-20)		Sem	:-VII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment Date	Tutorial date	HOD's remark	Principal
6	29 July- 3 Aug.	4	2	Design of V belt drive: Types of V- belt, analysis of V-belt tension, design of V belt & pulley.	Design of belts for lathe machines	Machine Design By Khurmi Gupta , V.B	https://www.youtube.co m/watch?v=nMsB6Soz4Ho	14/2/17			1	
0	30 1	uly-03 Au	0	design of v bolt or passoj.		Sessional	- I			1		
8	5 August - 9 Aug	5	2	Design of Roller chain drive: Velocity ratio and length of chain, design of chain, dimensions of tooth profile, design of sprocket.	WORK SHOP (MOTOR BIKE)	Machine Design By Khurmi Gupta , V.B Bhandari	https://www.youtube.co m/watch?v=uNDGWuxbT nE	1110			Stelling	
9	13 Aug - 18 Aug	3	2	Design of wire rope drive: Introduction to wire rope, stresses in hoisting wire rope. Design of wire rope, sheave and drum.		Machine Design By Khurmi Gupta , V.B Bhandari	https://www.youtube com/watch?v=eEZb2y WX_o https://www.youtube com/watch?v=eDVf7l d2cQ nttps://www.youtube.com/	3 2 8/19				
9	19Aug -23	3	3	Review of kinematics of gears & terminology Interference, tooth profiles	Discussion with gears al class room	Machine Design B Khurmi Gupta , V. Bhandari	watch?v=P4rNX0gCm3	E 26/8/10				
	3.3.3	100	200	Formative number of teeth		-		1			11	
				Design of Spur Gear drive	Student active for spur gear work shop	Machine Design I Khurmi Gupta, V	https://www.youtube.c watch?v=8bml2pK6F	om/ 7/1/1	9		18	9
10	26 Aug- 31 Aug.	3	3	Design of Helical Gear drive	Student active for Helical gat worksho	ear		13/	1/19			
				Types of bevel gear Design of bevel gear Proportions of bevel gear, force analysis	Workshop	Machine Design	V.B	111	1/19			
11	3 Sept - 7	4	3	of bevel			HOD	Costy				







Mahar / Karve Stree Shikshan Samsthe Startening Engineering Accords with a difference



CCOEW/MECH/ 19-20

Date: 26/6 / 2019

LESSON & TEACHING PLAN

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR

	Name: Dr.	The Beach S	Charlesle			Subject: DMD		SEM -ODD	(2019-20)		Sem	>-VII
WEEK	Week	No. DI	SHIR No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment Date	Tutorial date	HOD's remark	Principal
	Tops				Student activity for bevel gear at workshop	Bhandari					72).	
				Worm Gearing AGMA Equation		Machine Design By					(3ky	
12	9 Sept 13 Sept	4	4	Worm-Geer force analysis Designing a Worm-Gear Mesh	Student activit for Worm gea at workshop	Khurmi Gupta , V.B Bhandari						
				Buckingham Wear Load							1	
23	16 Sept- 21 Sept	5	4	Introduction to selection of material for I C angine components Design of cylinder and cylinder head Design of pinton and pinton-pins,	Discussion o IC engine at Workshop	Bhandari					1824	
-	99/2017 to	21.05	2017	Design of piston rings Internal Pracetical / Final							1	-
	19/2017 to		2017	Submission Pre- Universitty Test							7	

Faculty in Charge





Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2018-19

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in









CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ETC / 18-19

Date: 10/12/2018

LESSON & TEACHING PLAN

				CUN	MMINS COLLEGE OF ENGI	NEERING FOR WOMEN, NAGPUR				
aculty	Name: Pro	f.Yogesh V	. Dande	ekar		Subject: MoM		SEM TV	(2018-19)	Sem:- 4
NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
	1		1	Types of stresses, strains and stress-strain diagram for brittle & ductile material, elastic limit, Hook's law, modulus of elasticty, rigidity & bulk modulus. FoS, analysis of tapered rod, Composite section, Thermal stress and starin,	Trial on UTM by different groups for tensile of bending tends.	R.K.Bansal, Ch. 012. Poje 1 to 34. R.K.Rayput ch .01. Page. 1 to 90.	E-Keedy Violans.	15/12/18 17/12/18 19/12/18		*
	2		1	Longitudinal strss &strain, lateral stress & strain, Poisson's ratio, Volumatric stress & strain, uni-axial, bi-axial & tri-axial loading.		R.K. Barod (n. 02. loge 59-84	NPTEL VILLOG.	24/12/18	30(12 18	*
	3		2	SFD & BMD diagrams for different types of beams & loading conditions. Relation between load, SF & BM.		R.K.Bansol ch. of. lage 237-294		05/01/19		*
	4		2	Theory of pure bending, expression for bending stresses, derivation of bending equation. Section modulus. Shear stresses in beams, concept & derivation of shear stress distribution formula, shear stress distribution diagram for common symetrical sections. Max & avg shear stress		R.K.Binsol. Ch.07. Page 295-344. R.K.Reyport Ch.04. Page, 206-260. Ch.65/Page 261-329.		10/01/19		4
	5		3	deflection & slope of diffrenet types of beams at different loading conditions. Macaulay;s method.		,				

Faculty in Charge

Kingaa, Nager-44111

8

	23 July- 27 July	Hard	rtempering, Austempering,		Refrence Book - Chapter no. Page no, editlo.	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
		Pater	ening, Retained austenite, its et & elimination.,Maraging, nting, surface hardening like urising, Nitriding, induction ardening, flame hardening,	Performing Hardening heta treatment on SAE 1050 steel	Material science and metallurgy for engineers by KODGRE, Chp.11&12, Page 455 to 510 and Introduction to physical metallurgy by AVNER, Chp.11&12, Page423 to 546	videos, ppt	03108	13 orb	8
7 8	30 July- 4 Aug	harde classifi applie imp	ominy end quench test for enability, Plain carbon steels, ication based on carbon % and cations, limitations, Effect of urities, alloy steel, effect of arious alloying elements.		Material science and metallurgy for engineers by KODGIRE, Chp.3, Page 61 to 144		24/68		*
0					Sessional -I				
	13 Aug- 18 Aug	com hai clas applic steel, i	ol steels, its classification, aposition & applicationsred rdness, Stainless steel, its ssification, composition & rations, Hadfield managnese maraging steel, OHNS steel, on of steel for various purpose	Discuss various tool steels in class, show tools to the students, discuss on their properties & applications	Material science and metallurgy for engineers by KODGIRE, Clip.14, Page 531 to 560,		(8(08		*
2	0 Aug- 24 Aug	Malle	n, types, white C.I., Grey C.I., eable, Nodular, mottled CI, Mechanite alloy,		Introduction to physical metallurgy by AVNER, Chp.16, Page 605 to 632 "Material science and metallurgy for engineers by KODGIRE, Chp.10, Page 417 to 454 and Introduction to physical metallurgy by AVNER, Chp.9&10, Page 349 to 422		31108	31108	R.
	7 Aug-		, allumunium alloy, brasses & its types		Material science and metallurgy for engineers by KODGIRE, Chp.12, Page 483 to 510,	ppt	08/09		8
2	Sep- 8 Sep	rockwell	le of hardness measurement, I tets, vickers test, brinell test rdness. Introduction to non destructive testing		Material science and metallurgy for engineers by KODGIRE, Chp.3, Page 61 to 144		15/59	12/59	*
3	0 Sep- 5 Sep	Radigrap introdu produc Compacti	ound, die-penetration test. shy test, Powder metallurgy- action, metal powder & its etion, Blending & mixing, ion & Sintering, Hot isostatic ing, secondary processes,		Material science and metallurgy for engineers by KODGIRE, Chp.3, Page 61 to 144	pdf files, ppt, video			
	Sep-	application self lubric rotors, contact	antages & limitations& on of PM, few products like atted bearing, gears & pump PM products like electric is & electrodes, Magnets, and impregnated tools		Material science and metallurgy for engineers by KODGIRE, Chp.14, Page 531 to 560, Chp.14, Page 531 to 560	video			
	1				Sessional II				

нор







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Sharpening Engineering Acumen with a difference

Lab Practicals Plan Sem. IV

Date: 20 /12 /18

Faculty N	lame: Prof. Abhijit S. Getme		Subject: Hydraulic Machines			for	Departmen Mechanical	t: Engineering	
			Batch A2			Batch A1			
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remark
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	To determine the metacentric height of given floating vessel.		24/12/2018	वार्वित संबुध	शिलीं	1/1/2019	834/12/	07/01/19	St.
2	To verify Bernoulli's theorem.		31/12/2018	मिन्मि	94/0/17	8/1/2019	07/01/19	14/0/19	8
3	Demostration on pitot tube		07/01/19	24/01/19	04/02/19	22/01/2019	080119	22/01/19	Ø.
4	Performance characteristic on centrifugal pump		14/01/2019	11/02/19		29/01/2019	05/02/19	12/02/19	X
5	Performance characteristic of Reciprocating pump		21/01/2019			5/2/2019			
6	Performance on submerged bodies		28/01/2019	14/01/19	othally	12/2/2019	14/01/19	22/01/19	*
7	Performance on farnsis turbine		4/2/2019	11/2/19	25/2/15	26/02/2019	26(03)10	05/03/11	4

Faculty in charge

Page 1







8	Performance on kaplan turbine	11/2/2019	11/02/9	25/02/1	5/3/2019	140/13	26/03/4	4
9	Performance on pelton wheel turbine	25/02/2019	11/03/19	11/03/19	12/1/2019	12/01/1	266-3/10	4
10	Performance characteristic of Axial Flow Pump	11/3/2019	11/03/13	تا(دوار	26/03/2019	2663/व	relesing	X

AS Gulme Faculty in charge HoD







Maharshi Karvo Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Startening Engineering Acumen with a billerence



CCOEW/ Department of CE/ME/ETC./ 2018-19

Date:			

LESSON	de	TEA	CHING	PLAN
--------	----	-----	-------	------

				CUMMINS COLLEGE OF ENGINEER	ING FOR WOMEN, NAGPUI	1			
Faculty Name: Prof. Rashmi Deshpande					Subject: Functional English			Sem:-VI	
WEE K No.	Week	No.Of Lect.	Unit No.	Exact Topic Name & Subtopic	Refrence Book - Chapter no, Page no	Completion Date	Assignmen t Date	HOD's remark	Principal
1	24 - 29 Dec.	2	2	English for Competitive Exams and interview Technique: 1PA,Word Building,Synonyms,Antonyms,Analogies	Quick Learning objectiveGeneral English, Functional Eng.For Tech.Stu. Himalaya Pub.(pg no. 57-86)	26/12		4	
2	31 -5 Jan	2	1 & 2	Give One word for, Phrases, Idioms and Proverbs	Quick Learning objectiveGeneral English,Functional Eng.For Tech.Stu. Himalaya Pub.(pg	7/1		4	
3	7-11 Jan	2	1	<u>Functional Grammar</u> : Active Passive, Narration	Functional Eng.For Tech.Stu. Himalaya Pub.(pg no.2-26)	121/1		\$	
4	14-19 Jan	2	1	Functional Grammar : Common Errors	Outck Learning objectiveGeneral English,Functional Eng.For Tech.Stu. Himalaya Pub.(pg	21/4	14/Jan Arrign.	8	199
5	21-25 Jan	2	1	Functional Grammar: Transformation of Sentences		21/1		*	
6	28-2 Feb			Anar	nya 2019				
7	5Feb-8 Feb	2	3	Formal Correspondence (A): Business Letters(Copmplaint,Notices,Circulars,Memos)	Functional Eng.For Tech.Stu. Himalaya Pub.(pg no.132-139)	6/2		\$	
8	11-16 Feb	2	3	Formal Correspondence (A): Business Letters(Copmplaint,Notices,Circulars,Memos)	Functional Eng.For Tech.Stu. Himalaya Pub.(pg no.111-112)	14/2		8	









Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accomes with additional



COEW	/ Department o	f Mechanica	al Engg. / 1	6-17	with a difference	FOR WOMEN, MAGPUR
9	18-22 Feb			Sessional I (18	Date: 16 / 12 / 2016	
11	25-2 March	2	4	Writing Resume, Interview Technique,E-mail etiquettes	Functional Eng.For Tech.Stu.	
12	4-9 March	2	4	Formal Correspondence (B): Technical Report writing	Himalaya Pub.(pg no.pg no.111-112,145-178)	
13	11-16 March	2	4	Analytical comprehension: (fictional ,non-fictional unseen text)	Functional Eng.For Tech.Stu.	
14	March	2	4	Features of Technical and Scientific writing:	Himalaya Pub.(pg no.180-207)	
	26-30 March			Sessi	onal 2	







Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCDEW/MECH / 18-19

Date: 10/12/2018

LESSON & TEACHING PLAN

				DEPA	RTMENT OF MED	HANICAL ENGG.		70 ==		(A)
Faculty	Name: Prof	. Vikram (Dandeka	r		Subject: CSE		6th SEM (2018-19)		Sem:- EVEN
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOO's sign
1	10-15 Dec	5	1	Control System controls: Study of Control System components such as hydraulic actuators, Servomechanism D.C. and A.C. motor, liquid level control, Automobile Power Steering Control, Speed Control, Position control of Robotic Manipulator etc.	MAT-Lab equipment besting	Feed back Control System by R.A.Barapatre pg.CSC-1 to CSC-20	NPTEL Videos	14/p./13 15/12/18 17/12/18		\$
2	17-21 Dec	6	1	Study and Analysis of performance characteristics, the concept of various types of system like machine tools, Prime movers, system generators, etc.	MAT-Lab equipment testing	Feed back Control System by R.A.Barapatre pg. CSC-1 to CSC-21	NPTEL Videos	24/12/18 26/12/18 27/12/18 23/12/19	Assi.1.	*
3	24-29 Dec	6	1	Modeling of Mechanical System: Busic Elements of Control System — Open loop and Closed loop systems — Differential equation — Laplace Transform —Transfer function, Modeling of physical system like Translational, rotational mechanical systems,	MAT-Lab equipment testing	Feed back Control System by R.A.Barapatre pg.ICS-1 to ICS-15	NPTEL Videos	31/12/18 2/1/1 9 3/1/19		8

Faculty in Charge





No.	the week	AND CH	Mari	Exact Topic Name & Subtople	Activity/ Teaching Aid	Rofrance Book - Chapter no, Page no, edition. No	ICT tools	Completion Date	Assistment/1	HOUT'S GEN
4	31 Dec - 5/an	5	2	Electric systems, Electronic system and Electro-mechanical system. Concept of transfer function & its determination for physical systems.	MAT-Lab equipment testing	Feed back Control System by R.A.Barapatre pg.ICS-1 to ICS-16	RPTEL Videos	41/119 5/1/19 #1/1/9		8
5	7-11 Jan	6	2	Transfer Function system Representation through Block Diagram and Signal Flow Graph: Block Diagram representation.	MAT-Lab equipment testing	Feed back Control System by R.A.Barapatre pg.DMR- 1 to DBA-112	NPTEL Videos	9/1/19		\$
6	28-Jan 18-19-lan 2-feb				ANNANYA CUL	TURAL FESTIVAL AND ALUI	MNE MEET		-	
7	就-跨 Jan 14-19	6	2	, Reduction Techniques for single and multiple input/output, Conversion of Black Diagram into Signal Flow Graph,		Feed back Control System by R.A.Barapatre pg. DMR- 1 to DBA-112	NPTEL Videos	1611119 1711119 1811119		8
8	21 5m-25 36 sen-8 fyeb	3mn 5	3	Conversion of algebraic equation into Block Diagram and Signal Flow Graph. Transfer function through Block Diagram Simplification using Masons Gain Formula.		Feed back Control System by R.A.Baragatre pg DMR- 1 to DBA-113	NPTEL Videas	21/1/19 22/1/19 23/1/19 24/1/19	Assi 2.	*
9	29 Jan -2 Feb	6	3	Response Analysis: First and second order systems response to impulse, ramp and sinusoidal inputs, properties of unit step response of second order system, systems with velocity lag, Steady		Feed back Control System by R.A.Barapatre pg.DMR- 1 to DBA-113	NPTEL Videos	25/1/19 5/2/19 6/2/19 7/2/19		\$
10	4 -8 Feb	5	3	Signals: Step, Ramp, Impulse, Parabolic and Periodic signals with their mathematical representation and characteristics.		Feed back Control System by R.A.Barapatre pg.DMR- 1 to DBA-114	NPTEL Videos	8/2/19 13/2/19 14/2/19		8





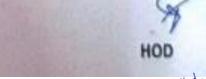


Nu.	1	I corr	No.	Elsare Topolo Martin & Subfoods	Ausbrity/ Teaching Aid	Patience Book - Chapter co. Page na.edition. No	ICT todas	Careplation Date	Avolgoment(T alonial Date	MOTE's stars
11	11 -16 Feb	6	3	Mode of Controls: Basic control actions and Industrial controllers, Introduction to P, PI and PID controllers their characteristics, representation and applications. Classification of industrial automatic controllers, control actions, proportional controllers, obtaining derivative and integral control action, effects of integral and derivative control action on system performance.		Feed back Control System by R.A. Barapatre pg. DMR- 1 to DBA-115	NPTEL Videos	16/2/19 2/3/19	Acei.2	*
12	18 -22 Feb	5				SESSIONAL-1				
13	25 Feb -2 Mar	6	4	Controller Mechanisms: Prieumatic, hydraulic and electric controllers, general principles for generating various control actions. UNIT 4: Control system analysis: Concept and types of stability. Routh-Hurwitz Criterion and its application for determination of stability, limitations. Root locus plot: Simple transfer functions transient response from root locus. Concept of stability, necessary condition for stability, Root locus concept, committation of Root loci.		Feed back Control System by R.A. Barapatre pg.DMR- 1 to DBA-116	NPTEL Videos	2/3/19 5/3/19 6/3/19		4
14	4 -8 Mar	5	4&5	Frequency Domain analysis - Correlation between time and frequency responses of a second order System. Unit. 5. Bode 8 Polar plot: Determination of Gain Margin, Phase Margin and their Stability from Bode and Polar plots.		Feed back Control System by R.A. Barapatre pg. DMR- 1 to DBA-117	NPTEL Videos	8 3 19 9 3 19		*





Au.		fait.	No.	Exect Payer Name & Subrager	Activity Teaching Aid	Refress Rook - Chapter 80. Page no.edition. No	ST tools	Corregionings Date	The second	HOU's sign
15	11 -16 Mar	6	5&6	Inverse Bode Plot, Transportation lag. System identification from Bode plot UNIT 6: State space representation of Continuous Time systems: State equations, Transfer function from State Variable Representation –		Feed back Control System by R.A.Barapatre pg.DMR- 1 to DBA-118	NPTEL Videos	13/2/14	Asi.3	*
16	18 -23 Mar	5	6	Solutions of the state equations, Concepts of Controllability and Observability, State space representation for Discrete time systems.		Feed back Control System by R.A. Barapatre pg DMR- 1 to DBA-119	NPTEL Videos	18 3 19		4
17	25-30 Mar	6	6	Stability oriterion: Introduction to control system design lag lead compensation, Feed Back Compensation and Pole -Zero placement.		Feed back Control System by R.A.Barapatre pg. DMR. 1 to DBA-120	NPTEL Videos	22 3119		F
18	1-8 April	6				Sessional II				







Maharshi H Tree Stree Shikshan Samsiha CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/MECH / 18-19

Date: 10/12/2018

LESSON & TEACHING PLAN

				DEPAR	TMENT OF MECH	ANICAL ENGG.				
Faculty	Name: Prof	. Vikram I	Dandeka	r	s	Subject: AMT	16	8th SEM	(2018-19)	Sem:- EVEN
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	10-15 Dec	5	1	Non Traditional Machining process: Need, classification & historical development.	w/s demostration & Discussion on History	Production Technology- R.K.Jain. Ch. 10. pg 342. ch.20. pg 625-633	Videos of machining	15 12 18 7 12 18 24 12 18 26 12 18		4
2	17-21 Dec	6	1	Economics & application of Non- Traditional process for machining. High speed grinding. Hot & Cold machining.	w/s demostration & information on various m/cs	Production Technology- R.K.Jain, Ch. 10. pg.342. ch.20. pg.625-633	NPTEL Lect.	27 12 18 28 12 18 29 12 13		(4,
3	24-29 Dec	6	2	Abrasive Jet Machining, Mechanics of AJM-process parameters & Machining parameters. Ultrasonic Machining process, mechanics, process parameters & control, effect of USM on materials.	w/s demostration	Production Technology- R.K.Jain. Ch. 10. pg.365-367.	video of abrasive machining	11119 31119 411119	Assì.↓.	4
4	31 Dec - Sian	5	2	Water Jet Machining.	w/s demostration	Notes by Vikram Dandekar	video	7/1/19 8/1/19		*
5	7-11 Jan	6	2	Electro-Chemical Machining: Electrochemistry of ECM. Electrochemical Grinding.	w/s demostration	Production Technology- R.K.Jain. Ch. 10. pg.365-367.	video	10/1/19		8







WEE.	West	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page No,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
6	24 Jan -	5			ANNANYA CULTUR	AL FESTIVAL AND A	LUMNIE MEET			
7	21-25 Jan	6	3	Electric Discharge Machining, Electron Beam Machining,	Discussion on EDM	Production Technology R.K.Jain. Ch. 10, pg.360,378.	NPTEL Lect.	16/1/19		*
8	28 Jan -2 Feb	6	3	Laser Beam and Plasma Arc Machining.	Discussion on LBM and PAM	Production Technology- R.K.Jain. Ch. 6. pg. 214-251.	Video	23/1/19		X
9	29 Jan - 2 Feb	6	4	Unconventional welding techniques such as Inert Gas (MIG & TIG), Electric resistance welding, Oxyacetylene pressure welding, Laser Beam welding.	w/s demostration	Production Technology- R.K.Jain. Ch. 9. pg. 273-341.	NPTEL Lect.	5 (2)19 6 2)19 7(2)19 8(2)19	A 55 1. 2.	X
10	4-8 Feb	5	4	Electron Beam welding, Flasma Arc welding, Atomic Hydrogen welding & Submerged Arc welding, Friction welding.	Discussion on welding techniques	Production Technology- R.K.Jain. Ch. 9. pg.273-341.	videg	11/2/19		*
11	11 -16 Feb	6	5	Stud welding Solid Phase welding techniques such as Ultrasonic welding Friction welding.	Discussion on welding techniques	Production Technology- R.K.Jain. Ch. 9, pg.273-341.	video	14/2/19		*
12	18 -22 Feb	5				SESSIONAL-1				







No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no.edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOO's sign
13	25 Feb -2 Mar	6				INDUSTRIAL VISIT	TOUR			
14	4 -8 Mar	5	5	Friction welding with recent development in Welding, Economics and application of Non-Traditional processes for welding.		Production Technology- R.K.Jain. Ch. 9. pg.273-341.	Video	5 3119 6 3119 7 3 19		8
15	11 -16 Mar	6	6	Advance casting process: Metal mould casting, continuous casting, squeeze casting.	w/s casting processes identification.	Notes by Vikram Dandekar	Video	8 3 19 11 3 19 12 3 19	Assi 3	X
16	18 -23 Mar	5	6	Vacuum mould casting, evaporative pattern casting, ceramic shell casting,	w/s casting processes identification.	Notes by Vikram Dandekar	Video	13 3 19 14 3 19 15 3 19		4
17	25-30 Mar	6	6	centrifugal casting, slush casting.	w/s casting processes identification.	Notes by Vikram Dandekar	Video	18 3 19 19 3 19 20 3 19		%
18	1-8 April	6			The state of	Sessional II				

of







Maharshi Karve Stree Shikshan Samstha's **CUMMINS COLLEGE OF ENGINEERING FOR WOMEN**



Sharpening Engineering Acumen with a difference

Lab Practicals Plan Sem. VIII

Date: 20 /12 /18

Faculty N	lame: Prof. Abhijit S. Getme		Subject: Energy Conversion			for	Departmen Mechanical		
				Batch A2			Batch A1		
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remark
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	Study of gas turbine and jet propulsion system.		24/12/2018	24/12/18	31/14/18	20/12/2018	20/12/18	03/11/19	G
2	Study of current energy scenario and various techniques of saving energy		31/12/2018	31/12/18	og olig	27/12/2018	oslosky	والماص	*
3	Study & demonstration of solar lightning system.		07/01/19	1 08 01 18	14/01/18	3/1/2019	10/01/19	24/0/19	4
4	Case study on energy conservation opportunities in industry.		14/01/2019	14/0/18	21/01/18	10/1/2019		07/2/19	*
5	Study of various hydraulic pumps.		21/01/2019	21/01/18	04/2/19	24/01/2019	orlaly	14/02/19	*





6	Study of various valves, actuators used in hydraulic system.	28/01/2019	04/02/19	04/11/9	31/01/2019	14/02/19	07/03/19	8
7	Study of various industrial hydraulic circuits.	4/2/2019	04/02/13	11/02/13	7/2/2019	14/02/13	07/03/19	X
8	Study of various compressors used in pneumatic system.	11/2/2019	11/2/13	25/04/1	14/02/2019	07/3/9	07/03/13	*
9	Study of air preparatory unit.	25/02/2019	25/2/13	11/03/13		14/03/15		
10	Study of various industrial pneumatic circuits.	11/3/2019	11/03/19	18/03/19	14/03/2019	14/03/19	प्रशिक्ष	×

Lime . . Boulme

X





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/AS / 18-19

Date: 20/12/2018

LESSON & TEACHING PLAN for Energy Conversion III

				Departi	ment of Mechanical	Engineering				
Facult	y Name: Prof	. Abhijit S	6. Getme					Year:	2018-19	Sem:- VIII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	10 -15 Dec		Unit I	RTMNU Exaternal Practical Examination						*
2	17 - 22 Dec	2		Gas Turbines:-Ideal cycles, isentropic and small stage efficiency,	Demonstration on hydraulic turbine	Gas Turbine& Jet Propulsion, Dubey & Khajuriya, Chapter 3 and 4, Pages 74-187	PPT / Video	2412/18		8
3	24-29 Dec	4		application of gas turbine pressure losses, effect of intercooling, reheat & regeneration, Fuel-air ratio, combustion efficiency, performance calculation,	Demonstration on hydraulic turbine	Gas Turbine& Jet Propulsion, Dubey & Khajuriya, Chapter 3 and 4, Pages 74-187	PPT / Video	02/01/19		*
4	31 Dec - 1 Jan 19	4	Unit I	open cycle &closed cycle gas turbine plants cogenerations & combined power cycles	Demonstration on hydraulic turbine	Gas Turbine& Jet Propulsion, Dubey & Khajuriya, Chapter 3 and 4, Pages 74-187	PPT / Video	وااهلا	04-101/19	4
5	7-12 Jan	4	Unit II	Principles & working of turbojet, tuboprop, Ramjet & pulse jet, simple turbojet cycle, thrust power, propulsive power.	Visit at Dharampeth Science college for science fair	Gas Turbine& Jet Propulsion, Dubey & Khajuriya, Chapter 12 and 13, Pages 459-508	PPT / Video	16/01/19		*

Faculty in Charge

X





Week			CONTRACTOR OF	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chano. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
14-19	Jan	1		efficiency. Nuclear Power Plant: Introduction, nuclear reactor, classification, general	Visit to Dharampeth Science college for Science fair	Gas Turbine& Jet Propulsion, Dubey & Khajuriya, Chapter 12 and 13, Pages 459-508	PPT / Video	25/01/19		4
21-26	Jan	4	Unit II & Unit III	selection, comparison of nuclear plants with thermal plants. Unit III:- Principle of solar energy collection,	Visit to Dharampeth Science college for Science fair	Gas Turbine& Jet Propulsion, Dubey & Khajuriya, Chapter 12 and 13, Pages 459-508	PPT / Video	26/01/19		Q
1000		4	Unit II	solar constant, solar geometry, flat plate & concentrating collectors for water and air heating, solar energy storage, solar pond, Industry	Site visit	Solar Energy Fundamentals and Application, P Garg and Prakash, Chap. 4,5, 6, 7, 17 Non- Conventional Energy Storage, Rai G.D. Chap 6,12	PPT / Video	-		*
9 4-9	Feb	4	Unit I	wind generators & MHD generator	Site visit	Solar Energy Fundamentals and Application, P Garg and Prakash, Chap. 4,5, 6, 7, 17 Non- Conventional Energy Storage, Rai G.D. Chap 6,12	PPT / Video	04/02		X
10 11-	-16 Feb	4	Unit 1	energy scenario, need of importance of energy conversion. importance of energy audit, uses of energy audit, basic terms of energy audit, types o	Energy audit for Wing B	Non-Conventional Energy Storage, Rai G.D. Chap 16, 17 Pages 778-892	PPT / Video	16/0/19		*
	Feb - 2	2 4	Unit	analyzer, multipoint heat flow meter, Lux meter,		Non-Conventional Energy Storage, Rai G.D. Chap 16, 17 Pages 778-892	PPT / Video	25/2/19		F
	28 J. F. 10 11-	14-19 Jan 21-26 Jan 28 Jan -2 Feb 10 11-16 Feb	14-19 Jan 1 21-26 Jan 4 28 Jan -2 Feb 4 10 11-16 Feb 4	14-19 Jan 1	Thermal efficiency, propulsive efficiency, overall efficiency, Nuclear Power Plant: Introduction, nuclear reactor, classification, general components, operation, Unit II Unit II Unit III Viii III Unit III Application of solar energy collection, solar energy storage, solar pond, Industry Application of solar energy for cooking, drying, solar photovoltaic system & its applications. Introduction to fuel cell. Working of wind generators & MHD generator Unit IV Energy Auditing: Introduction, global and Indian energy scenario, need of importance of energy conversion. importance of energy audit, uses of energy audit, types of energy audit, procedure for carrying energy audit instruments used for energy audit such as power analyzer, multipoint heat flow meter, Lux meter, portable infrared radiation thermometer,	14-19 Jan 1	No. Of lect. Unit No. Internal efficiency, propulsive efficiency, overall efficiency, Nuclear Power Plant: Introduction, nuclear reactor, classification, general components, operation, Unit II Uni	Neek No. Of Unit No Internal efficiency, propulsive efficiency, overall efficiency, Nuclear Power Plant: Introduction, unclear reactor, classification, general components, operation, operation, site selection, comparison of nuclear plants with thermal plants. Unit III Principle of solar energy collection, solar energy and sources of power generation, site selection, comparison of nuclear plants with thermal plants. Unit III: Principle of solar energy collection, solar energy and sources of power generation, site selection, comparison of nuclear plants with thermal plants. Unit III: Principle of solar energy collection, solar energy and sources of power generation, solar energy storage, and energy storage, solar energy storage, and prakash, Chap. 4,5,6,7,17 Non-Conventional Energy Storage, Rai G.D. Chap 6,12 28 Jan - 2	No. Of Lect. Unit No. Activity/ Teaching Aid No. Page no. Page no. page no. PPT / Video Date	No. Of Unit No. No. Of Unit No. No. Of Unit No. No. Of Unit No. No. Of Unit No. No. Of Unit No. No. No. Of Unit No. No

Faculty in Charge Little -.



WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Channo. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOO's sign
12	4-9 Mar	4	Unit IV	Unit IV:- Payback period, Return on Investment (ROI), life cycle costs, Sankey diagram, specific energy consumption. Unit V:- Hydraulic systems: Introduction, essential elements of a hydraulic system:	Energy audit for Wing B	Non-Conventional Energy Storage, Rai G.D. Chap 16, 17 Pages 778-892	PPT / Video	09/03/19		4
13	11-16 Mar	4	Unit V	Flow actuators, directional control valves, pressure control valves, flow control valves,	Site and lab visit	Hydraulics and Pneumatic Systems, Andrew Parr	PPT / Video	16/03/19		4
14	18-23 Mar	4	Unit V	Accumulators, basic hydraulic circuit, meter in & meter out circuits. Use of single, double actuator, crane, jacks. Grinding machine	Site and lab visit	Hydraulics and Pneumatic Systems, Andrew Parr	PPT / Video	विक्री		*
15	25-30 Mar	4	Unit V	Pneumatic Systems: Principle of pneumatics, comparison with hydraulic power transmission. Air preparatory unit, pneumatic valve. Various Pneumatic circuits.	Site and lab visit	Hydraulics and Pneumatic Systems, Andrew Parr	PPT / Video	विष्टिण		4

Whe ... Faculty in Charge As Culme









Lab Practicals Plan

CCOEW/Department of MECH / Even sem 18-19

Head Automation In Production

Semster: VIII Sem

Faculty Name: S. R. Lanjewar

rosemon			Bato	h#1			Batc	h#2			
1 i	Name of Experiment	Planned Date	Perform Date	No. Journals received	No. of Viva	Planned Date	Perform Date	No. Journals received	No of Viva	Holl's	Promje
nt	print	print	GII	fill	611	print	fill	fill	fill	(511	
1	Study of Automation.	24-Dec-18	08/01			26-Dec-18	09/01				
,	Study of NC System.	7-Jan-19	21/01			9-Jan-19	23/01				44
3	Performance, Simulation on CNC lathe (at least two complex geometries).	21-Jan-19	12/02			23-Jan-19	06/02)
1	Performance, Simulation on CNC milling (at least two complex geometries).	₫2-Feb-18	041.2			15-Feb-18	20/218			(
15	Introduction and Programming on APT.	14-19hb-19	14102			6-Feb-19	27/02				Cy
6	Case Study on Automated System of any Industry.	25-Mah-19	25/02			27-Feb-19	08103			(Y
7	Study/Performance on Robot.	11-Mar-19	11/03			13-Mar-19	13 03				(Q
8	Part Coding and Group Technology.	18-Mar-19	18/0)			20-Mar-19	20/03				Ø

Subject Teacher







Maharshi Parve Stree Shikshan Samstha



Sharpening Engineering Acumen with a difference

18-19							Date: 07/1	2/2018	
			LESSON &	TEACHING PLAN for Engin	eering Physics				
			Di	epartment of Mechanical Engir	eering				
me: Pro	f. SUSHIL I	R. LANJE	EWAR	Subject: A	Automation In Production		Year :	2018-19	Sem Vill
ek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
Dec	1		RTMNU Exaternal Practical Examination, Cource outcomes						
22 (n c	4	1	Definition, types, reasons, strategies for automating, arguments for and against automation. Organization and information processing in manufacturing.	Group/ Each of students make search papers for New Trends in Automation & Make some charts	Automation, Production systems, & Computer Integreted Manufacturing By M. P. Groover Pg. No. 6-21, 401-411,	PPT, Videos	22/22		Pour
Dec	4	1	Automated Flow Lines- Methods of work part transport, Buffer storage Analysis of flow lines -General terminology and analysis, analysis of transfer lines without storage	making some small models for work part transport	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 448- 460		29/02		
c - 5	4	1	partial automation, manual assembly lines. Line Balancing Problem, Methods of line balancing (Largest Candidate Rule & RPW) (L.C.R., RPW only)		Automation, Production systems, & Computer Integreted Manufacturing By M. P. Groover Pg. No. 448- 460, 142-181, 188-212		5/01		
? Jan	4	2	Numerical Control Production Systems -Basic concepts, coordinate system and machine motion Types of NC systems -Point to point, straight cut and continuous path.	Making some mdels & posters for NC & CNC	Automation, Production systems, & Computer Integreted Manufacturing By M P Groover Pg, No 142- 181, 188-212		12/01		> (Xin)
Jan	4	2	Machine control unit and other components, part programming and tape formats, method of part programming. Introductionof manual part programming (NC words) Numericals on Lathe & Milling	Hadns on Practice on MPP	Automation, Production systems, & Computer Integreted Manufacturing By M. P. Groover, Pg. No. 112- 181, 188-212 CNC Machines By P. N. Pabla Pp. No. 55-70.	Working on MTAB MCU	25/01		





	11	:ek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - pter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
		26 Jan	4	2	APT programming in details, Directed numerical control. Computer numerical control. Adaptive control. Applications of NC	Hadns on Practice on APT using CAM module software	Automation, Production systems, & Computer Integreted Manufacturing By M P Groover.Pg No 188 212 CNC Machines By P N Pabla Pe. No. 55-70		26/01		
	Ħ.	ian -2	4	2	Anannya Cultural Festival & Alumne meet						John
,	4 (Feb	4	3	Industrial Robotics -Introduction, robot anatomy, accuracy and repeatability and other specifications, end effectors, sensors, introduction to robot programming, safety monitoring	with the help Arduino use of Sensors	Automation, Production systems, & Computer Integreted Manufacturing By M. P. Groover Pg. No. 214- 247	IIT lecturs, Videos	09/02		,
		ó Feb	4	3	Robotapplications -Characteristics of robot applications, work cell layout, robot applications in materialhandling, processing, assembly and inspection.		Automation, Production systems & Computer Integreted Manufacturing By M. P. Groover Pg. No. 214 247	III lecturs, Videos	18/02		
	ia s	3 Feb			Sessinal - I						
The second secon		eb - 2 ar	4	4	Guided Vehicle Systems - Types Driverlesstrains,	with the help of final year projects students will do different programmings for AGVs	Automation, Production systems, & Computer Integreted Manufacturing By. M. P. Groover Pg. No. 214- 247, 274-	IIT lecturs, Videos, РРГ	2103		· Why
	, 9	Mar	4	4	Automated Storage & Retrieval System Types: Unit load AS/RS, mini load AS/RS, man on board AS/RS, automated item retrieval system, deep lane AS/RS - Basic components & special features of AS/RS Carousel storage systems, work in process quantitative analysis.	Industrial Visit	Automation, Production systems, & Computer Integreted Manufacturing By M. P. Groover Pg. No. 276 305		09/03		V
	1 (0	Mar	4	5	Automated inspection & Group technology Automated inspection principles & methods -100% automated inspection, off-line & on -line inspection, distributed inspection & final inspection, Sensor technologies to, automated inspection, coordinate measuring Machine Construction, operation & the properties of the properties		Automation, Production systems, & Computer Integreted Manufacturing By M. P. Groover Pg. No.314-329	IIT lecturs, Videos, PPT	12/03		





ek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - ter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date HOD's si
Mar	4	5	Machine vision image acquisition & digitization, image processing & analysis, interpretation, machine vision applications; Group Technology: Part families, parts classification & coding, Opitz classification systems production. Flow analysis; Machine cell design -composite pat concept, types of cell design, best machine arrangement, benefits of group technology.	understand the Part familty	Automation, Production systems, & Computer Integreted Manufacturing By M. P. Groover Pg. No 507- 530, \$40-560	IIT lecturs, Videos, PPT	23/03	
Mar	4	6	Computer aided manufacturing - Manufacturing planning, manufacturing control; Computer integrated manufacturing FMS - Components, Types of systems, FMS layout configuration computer functions, data files, system reports. FMS benefits Retrieval CAPP systems, generative CAPP systems, benefits	Group of students will make mini model FMS system	Automation, Production systems, & Computer Integreted Manutacturing, By M. P. Groover Pg. No. 540 560, 720-732, 749	IIT lecturs, Videos, PPI	30 03	
April			Sessinal - II					

Faculty In Charge
S.R. Lanjewas

HOD Y. V. Dandekar

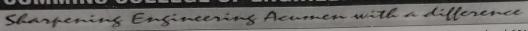






Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/CE / 18-19

Date: / / 2018

LESSON & TEACHING PLAN

				CUMMINS COLL	EGE OF ENGINE	ERING FOR WOM	IEN, NAGPUR			
Facult	y Name: Prof	. Priyadar	shini Ra			Subject: IM		SEM VIII ME		Sem:- EVEN
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Date	Assignment/T utorial Date	HOD's sign
1	10 Dec - 15 Dec	5		Concepts of management, development of scientific management, principles of Fredric W. Taylor, principles of Henry Fayol	1. Game to revise Henry Fayols PoM 2. know your qualities 3. Test/case study		Projector	17/12/18 18/12/18		
2	17 Dec - 22 Dec	5	I	Planning, Decision Making, Organizing, Leadership	1. GD on how you will deal with 4 different groups of employee 2. Convert circular organization chart to vertical chart 3. Test/case study		Projector	20/12/18 20/12/18 21/12/18 24/12/1	8 8	
3	24 Dec - 29 Dec	4		Communication, Span of management, Motivation, Controlling	1. Drawing game for improve communication 2 Identify type of decision 3. Test/case study		Projector	27/12/1	8	
4	31 Dec - 5 Jan	5	II	Personnel management, meaning, functions of personne management, manpower planning, selection & training	1. GD on how to motivate employee to participate in l development program 2. Case study on HRP 3. Test		Projector	2/1/1 3/17 4/1/1	18 4/11	19

Faculty in Charge

Hingno, Hogper-441111



No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date Assignment/T utorial Date HOD's sign
5	7 Jan - 12 Jan	5	II	collective bargaining, wages & salary administration, labor welfare, training, trade unions, Trade union act & Labor Legislation.	I. Case study on dealing with trade union 2. GD on what welfare activities you will plan for women working at night shift		Projector	9/1/19 9/1/19 11/1/19 11/1/19
7	14 Jan - 19 Jan	5		Marketing management, Definition, selling & modern concept of marketing, market research,	Which marketing concept will you apply for your product Z. Test		Projector	14/1/19 16/1/19 21/1/19
8	21 Jan - 26 Jan	4	III	marketing mix, new product development, product life cycle, new product launching	Prepare a strategy to launch your project as product in		Projector	22 /1/19 23/1/19 24/1/19 25/1/19
					The second second	STATE OF THE PARTY		
6	28 Jan - 2 Feb				I	ANANNYA 20)19	5/2/19
9		5	III	sales promotion, pricing, channels of distribution, advertising, market segmentation.	1. Plan innovative sales promotion activity for CCOEV 2. Prepare a short AD for E-promotic of CCOEW	W	Projector	5/2/19 6/2/19 11/2/19 12/2/19 13/2/19
9	Feb 4 Feb - 9	5		channels of distribution, advertising, market	Plan innovative sales promotion activity for CCOEV Prepare a short AD for E-promotic of CCOEW I. Classify the give expenses under	W on		6/2/19





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOO's sign
11	18 Feb - 23 Feb				S	ESSIONAL - I				
12	25 Feb - 2 Mar	5		cost control, break even analysis, budgets & budgetary	Numerical examples on BEP Revisin of types of budgets by students		Projector	4/3/19 5/3/19 6/3/19		
13	4 Mar - 9 Mar	5	IV	equipment replacement policy, make or buy analysis, balance sheet, ratio analysis, profit &	Prepare a P/L statement for given trasactions Revision of types of ratios by students		Projector	11/3/1	13/3/19	
14	11 Mar - 16 Mar	5		Plant management, Plant location, plant layout, Material handling objectives	Criticaly evaluate location of MIHAN for different industries		Projector	12/3/6	7 7	
15	18 Mar - 23 Mar	5	V	principles & selectionof material handling equipments types. Industrial safety, causes & cost of accidents,			Projector	14/3/	19 20/3/	19
16	5 Mar - 30 Mar	5		accident biorhythms, safety programs, job, batch & process type of production.			Projector	20 /3	119	
17				Recent treads in production and operation management like Lean Manufacturing, World Class Manufacturing, Retail Management	SEMINAR		Projector		2/19	
8			VI	Supply Chain Management, Value Engineering, Re- engineering, Reverse Engineering,	SEMINAR		Projector	12	2/19 12/19 12/19	





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Date	Assignment/T utorial Date	HOD's sign
19				Business Process Re- engineering, Quality Circle, Just inTime (JIT), Kaizen, Poka Yoke.	SEMINAR		Projector	11/2/13		
20	1 Apr - 8 Apr			TUKC.		SESSIONAL - II				







CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Sharpening Engineering Acumen with a difference Lab Practicals Plan Sem. II

Date: 4/01/18

	CUN	MINS COLLEGE (OF ENGINE	ERING FOR	R WOME	N, NAGPUR	?		
Faculty N	lame: Prof. Y. V. Dandekar		Subject: Eme			for	Departmo Mechanio Engineeri	al	
				Batch A2			Batch A1	III.	
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remark
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	Study of crystal structure		26-Jun-18	_		27-Jun-18	27/06		G,
2	Study of Metallurgical microscope		3-Jul-18	04/07		4-Jul-18	04(07		
3	Hardness testing on Rockwell hardness tester		10-Jul-18	10 (07		11-Jul-18	11(07		4
4	Mounting of sample on mounting press		17-Jul-18	17/07		18-Jul-18	18/07		
5	Sample preparation for metallographic testing		24-Jul-18	24/07		25-Jul-18	25/07		
6	Metallography of plain carbon steel		31-Jul-18	31107		1-Aug-18	01(09		4
7	Metallography of Cast Iron		7-Aug-18	14/08		8-Aug-18	21/08		
8	Metallography of nonferrous metals		14-Aug-18	21/68		22-Aug-18	28/07		61
9	Hardenability test		21-Aug-18	29/08		29-Aug-18	05/09		C

10

4

04/00

11/09

Faculty in charge

Page 1

4

COL







CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOCW/CTC / 18-19

Date: 16/06/ 2018

LESSON & TEACHING PLAN

				C	UMMINS COLLEGE OF EN	GINEERING FOR WOMEN, NAGPUR				
acult	Name: Prof		y. V.	Dadelen		Subject: Erm		SEM 3	(2018-19)	Sem:-
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18 June- 22 June			Introduction to engineering materials, their classification, their properties and applications, Difference between metals and non-metals, Mechanical properties of materials	Various engineering materials like bolts,tools, measuring devices, electonic parts, plastics	Material science and metallurgy for engineers by KODGIRE, Chp. I & 2, Page I to 59 and Introduction to physical metallurgy by AVNER, Chp 2 & 3, Page 65 to 128	ppt/video	22/06		4
2	25 June- 30 June			Study of crystal structure, polymorphism and allotropy; Microscopic and macroscopic examination, Miller indices, Imperfections in crystal structure, Mechanism of plastic deformation, slip, dislocations and twinning	Thermocol balls, toothpicks	Material science and metallurgy for engineers by KODGIRE, Clip.1 & 2, Page 1 to 59 and Introduction to physical metallurgy by AVNER, Clip.2 & 3, Page 65 to128	NPTEL video	27/46		Æ,
3	2 July-7 July			Solidification of pure metals, nucleation & growth, directional & progressive solidification, Ingot structure, dendritic solidification, solid solutions and their types, Alloy & their formation, mechanical mixture, Hume Rothery rules, Grain shape & size & their effect on the properties, Binary equilibrium diagram, isomorphus system	Student presentations in groups/Quiz	Material science and metallurgy for engineers by KODGIRE, Chp 9, Page 308 to 416 and Introduction to physical metallurgy by AVNER, Chp.4, Page 129 to 146	video files in personal collections		30/06	X X
4	9 July- 13 July			Study of Fe-Fe3C diagram, uses & limitations, Invarient reactions, TTT curve, construction & limitations,	drawing the Fe-Fe3C diagram on graph paper & its study in groups for different tasks given by the teacher	Material science and metallurgy for engineers by KODGIRE, Chp.5, Page 159 to 203	ppt	12/07		4
5	16 July- 21 July			Heat treatment, principle purpose, Annealing & its types, Normalizing, Tempering,	Performing Annealing heta treatment on SAE 1050 steel	Material science and metallurgy for engineers by KODGIRE, Chp 11&12, Page 455 to 510 and Introduction to physical metallurgy by AVNER, Chp.11&12, Page423 to 546	videos, ppt	25/07	2/107	4

Faculty in Charge

нор





No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page natition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sig
	6		3	Principle planes & stresses, definition of principle planes & stresses, Analytical method for determining stresses of oblique section when member is subjected to direct, Mohr's circle representation of principal stresses.stresses in one plane in mutually perpendicular planes, Analytical method for determining stresses of oblique section when member is subjected to shear stress & direct stresses in one plane in mutually perpendicular planes, volumetric stress & starin with uniaxial, biaxial & triaxial loading., Bulk modulus, relation between Young's modulus, bulk modulus & modulus of rigidity			8			(A)
						Sessional -I				
	7		4	Torsion of circular shafts. Derivation of torsional equation. Stregth & rigidity criteria for shaft design. Solid & hollow shaft. Equuivalent twisting & bending moment.						
	8		4	Short & long column, expression for Euler's & Rankines crippling load. Limitations of Euler's formula.						(A)
	9		5	Introduction to fracture mechanics, Modes of fracture, stress intensity factors, crack propogation, creep phenonmenon,						
	10		5	Strain energy & impact loading, definition of strain energy stored in a body when subjected to gradually applied load, Suddenly applied & impact loads. Strain energy stored in bending & torsion. Factor of safety, statastical methods in determining fos. theories of failure. Compound stresses, ecentric axial loading.						6
acul	11 It y in Cl	narge	6	Factor of safety, statastical methods in determining fos. theories of failure. Compound stresses, ecentric axial loading.		HORY				

Hingen Hinge



WEEK No.	Week	No. Of Lect.,	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no Reition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
	12		6	variable stresses in machine parts, endurance limit, S-N curve, stress concentration & raisers, notch sensitivity, stress concentration factor, methods to reduce stress concentarion, Goodman's criterion, Soderberg's criterion, gerber's criterion, Fatigue design for finite & infinite life of parts subjected to variable loads with uniform cross section						7
						Sessional II				



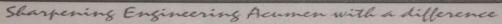








Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/MECH/18-19

Date: 11/06/2018

LESSON & TEACHING PLAN

Department of Mechanical Engineering

		Faculty N	lame: Pr	of. Kedar Chimote	Subject: Fl	uid Mechanics	SEN	1: Third (2018-19)	Sem:- Odd
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
1	18 June - 23 June	3	1	Mass Density, Specific Weight, Specific Gravity, Newton's Law of Viscosity, Dynamic Viscosity, Stroke's Theorem	Oil, Petrol, water etc. fluid demo with stone and floating body.	Fluid Mechanics & Hydraulic Machines By Dr. R. K. Bansal Chapter no. 01. Page no 01-05	_	19/06/18 20/06/18 21/06/18 23/06/18 25/06/18		4
2	25 June- 30 June	5	1	Surface Tension, Capillarity, Compressibility, Vapour pressure Types of Flow, Velocity components, convective and local acceleration, velocity potential, stream function, continuity equation in Cartesian co- ordinates.	Cup of glass with U-pin demo (Detergent/ Soap/ Heat/) Capillary - Cotton Tube, Paper Tube	Fluid Mechanics & Hydraulic Machines By Dr. R. K. Bansal Chapter no. 5 Page no 160-180	NPTEL Lectures , PPTS, Videos	26/06/18 27/06/12 48/06/18 30/06/18 217/18 317/18		*
3	02 July - 07 July	5	2	Pressure and its measurement using manometers, Hydrostatic law, Pascal's law	Showing actual Manometers and Pressure Gauges available	Fluid Mechanics & Hydraulic Machines By Dr. R. K. Bansal Chapter no. 02. Page no 34-55	NPTEL Lectures , PPTS, Videos	917/18 1017/18 11/7/18 12/7/18 16/7/18		*

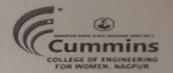
Faculty in Charge







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Sharpening Engineering Acumen with a difference

CCOEW/MECH / 18-19

LESSON & TEACHING PLAN

				CUMMINS COLLEG	E OF ENGINE	ERING FOR WOI	MEN, NAGPUR			
Faculty	y Name: Pro	f. Aditya S	6 Kawad	askar		Subject: Kinematics of Machines		SEM III	(2018-19)	Sem:-ODD
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18 June - 23 June	4.5	1	Basic concept of mechanism, link, mechanism, kinematics pairs, kinematics chain, Difference between machine and mechanism	Models of IC Engine, Four Bar link Mechanism,Nut and Bot, Window, Door, Wooden links Experiment		www.Mekanizmalar.com , Youtube Videos, NPTEL			
2	25 June - 30 June	4.5	1	machine, simple & compound chain, Degrees of freedom, Kutchbach theory, Estimation of degree of freedom of mechanism by Grubbler's criterion and other methods	Wooden links Experiment, Different Linkages		www.Mekanizmalar.com , Youtube Videos, NPTEL			
3	2 July - 7 July	4.5	1	Inversions Hardings Notation Classification of four bar chain , Class-I & Class-II,	Drawing path on sheets, Links of different sizes and assemble them		How it Works, Mekanizmalar, Youtube videos and NPTEL			

Faculty in Charge

Hingna, Boyard Hills E

HOD

Dr. Millind Khanapurkar Principal Maharak Karo Stree Shishan Sanetha 'unnies College of Ingineering for Wose Manga, Nagour-d'Anga, Nagour-d'A

Date: / / 2018

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
4	9 July - 14 July	4.5	1	Geneva wheel, Pawl and ratchet mechanism, Exact straight line mechanism, Approx. straight line mechanism, Transport mechanism	Models and videos		How it Works, Mekanizmalar, Youtube videos and NPTEL			
5	16 July - 21 July	4.5	2	Displacement nalysis of planer mechanism by graphical method as well as analytical method	Tieing a stone at the end of string and explaining centripetalforce, Radial and Tangential Acceleration		youtube videos, NPTEL Videos			
6	23 July - 28 July	4.5	2	Velocity AND ACCELERATION analysis of planer mechanism by graphical method as well as analytical	Video of cycle tyre sprinkling water, Tightenin g and loosing of bolt		youtube videos, NPTEL Videos			
7	30 July - 4 August	4.5	2	Coriolis component of acceleration method	Shaper machine Mechanism in Workshop		youtube videos, NPTEL Videos			
8	6 August - 11 August					Session	nal I			
9	13 August - 18 August	4.5								
10	20 August - 25 August	4.5								
11	27 August - 1 September	4.5								
12	3 September - 8 September	4.5								
13	10 September - 15 September	4.5								
14	17 September - 21	4.5								
Facu	ity the Ch	arge	1	ire.	of Eng		HOD	1		

1 hopper-441118 (2)

DF-Minind-Kharnapurkar-Principal Maharh-Kare Suse Shinaha Sanaha s Sunnias Crises of Exposeing for Busan Sunnias Crises of Exposeing for Busan

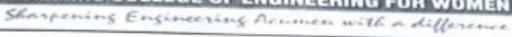
WE	_	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
	9	13 Aug- 18Aug	2	4	Dimensional Homogeneity, Rayleigh method & Buckingham's pi Theorem.		Fluid Mechanics & Hydraulic Machines By Dr. R. K. Bansal Chapter no. 012 Page no 554-577		12/9/18	14/9/18	
	10	20Aug-	25 4	4	Relation between pressure and shear stresses, Laminar flow through round pipe, Fixed parallel plates, Turbulent flow and velocity distribution		Fluid Mechanics & Hydraulic Machines By Dr. R. K. Bansal Chapter no. 9 & 10 Page no 382-430		21/8/18 29/8/18 30/8/18 9/19/18 03/9/18	419/18	\$
	1	1 27 Au 01Se		5	Darcy-Weisbach equation, Minor losses in pipes, TEL, HGL		Fluid Mechanics & Hydraulic Machines By Dr. R. K. Bansal Chapter no. 11. Page no 460-493	PPTS, Videos		04/9/18	
	1	03 Se 08 Se		4	Moody diagram, pipes in series and parallel, Siphons, Transmission of power	Siphon Tube Demo	Fluid Mechanics & Hydraulic Machines By Dr. R. K. Bansal Chapter no. 11. Page no 497-526		3/10/2018	5/10/18	
		14	ept - Sept	2	Development of Boundary Layer on flat plate, Laminar and Turbulent Boundary Layers, Laminar Sub Layer, Separation of Boundary Layer		Fluid Mechanics & Hydraulic Machines By Dr. R. K. Bansal Chapter no. 13. Page no 606-617	PPTS, Videos	4 110 [298 5 11 0 20 (3		







Maharshi Karve Stree Shikshon Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/MECH / 18-19

Date: 13/06/2018

LESSON & TEACHING PLAN

				CUMMINS COLL	GE OF ENGINEER	ING FOR WOME	N, NAGPUR			
aculty	Name: Prof.	. Vikram I	Dandeka			Subject: DME		5th SEM	(2018-19)	Sem:- ODG
No.	Week.	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	ноо'з мел
1	18-22 June	5	1	Introduction to mechanical engineering design, design methods.	will take examples of product, what modification or alteration will possible.	Machine Design By Kharmi Gupta ch Lyg Lik	show PPTs on design Aspects	20/6/18	23/6/18	8
2	25-30 June	6	1	Material properties and their uses in design basic principal of machine design, modes of failure, LS.codes, preffered series and numbers.	discuss about various metals and use in making products	Machine Design By Khurmi Gupta ch 2 pg 16-32	show PPTs on design Aspects	2916118 3016118	201	8
3	2-7 July		1	Design of knuckle joint, socket and apigot type cotter joints. Design of riveted joints, Aesthetic and ergonomics consideration in design.	will make joint model with mud and chk its failure by loading	Machine Design By Kharmi Gupta ch.9 pg.281-340	show videos on joints	2 7 18 3 7 18 4 7 18 5 7 18	*	8
4	9-13 July	5	2	Design of bolted Joints Design of welded joints under axial and eccentric loading condition.	discuss on clamps fixed on wall of classroom.	Machine Design By Khurmi Gupta ch.1.pg.8-17	show videos on joints	917118	917118	*







WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/1 utorial Date	HOO's sign
5	16-21 July	6	2	Design of cylinder and pressure vessels: Types of pressure vessel, stresses induced in pressure vessel, lame's, clavarino's and bernie's equation.	discuss on water bottle and various vessels.	Machine Design By Khurmi Gupta ch.7.pg 224-260	show videos on pr.vessels.	10 7118 11 7118 12 7 13		4
6	23-27 July	5	2	Design of cylinder and pressure vessels: Types of pressure vessel, stresses induced in pressure vessel, lame's, clavarino's and bernie's equation.	discuss on water bettle and various vessels.	Machine Design By Khurmi Gupta ch.7 pg 224-361	show videos on pr.vessels.	13]7]18 16]7]18 17]7]18		&
7	30-4 Aug	6	3	Design of shaft for - power transmitting, power distribution under static and fatigue criteria, Design of keys, ASME codes for shaft,	shafts and attachments test im mechanics lab	Machine Design By Khumni Gupta ch. 14. pg 509-557	Show NPTEL video	18 7 18 19 7 18 21 7 18		8
8	6-10 Aug					Sessiona	П			
9	13-18 Aug	6	3	Design of shaft for - power transmitting, power distribution under static and fatigue criteria, Design of keys, ASME codes for shaft.	shaft models made by sticks and bending	Machine Design By Khuemi Gupta ch.33.pg.470-508	NPTEL video	30 7 18 31 7 18 1 8 18		4
10	20-24 Aug	5	3	Design of springs: spring material, helical compression, tension springs under static and variable loads.	spring shown on college bus,	Machine Design By Khurmi Gupta rh.23.pg.820-848	videos on spring types and applications	2 8 18		4







No.	Week	No. Of Lect,	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Accignment/T utorial Date	HOO's sign
11	27Aug -1 Sep	6	3&4	Design for fatigue loading, leaf spring,laminated springs. Design of power screw: Forms of threads, multiple threaded screws, terminology of power screw.	leaf spring shown on college bus,	Machine Design By Khurmi Gupta ch.23.pg.845-884	NPTEL video	13 3 18 17 3 18 10 28 8 18 24 3 18	(\$
12	3-7Sep	5	4	Design of screw jack. Problems on screw jack.	screw jack model and working will show	Machine Design By Khurmi Gupta ch.17.pg.624-676	PPT on screw jack	31/8/12		G
13	10-14 Sep	6	4	Design of clutches and brakes: Single and multiple plate clutch, constant wear and constant pressure theory for plate clutches, in ternal and external shoe brakes.	Brakes and clutch models will show	Machine Design By Khumti Gupta ch 24.25.pg,885-961	video on brakes and clutches	6 9 18	-	j
14	17-21 Sep				Intern	al practical and Fig	nal submission		-	
15	24-29 Sep			REAL PROPERTY OF THE PARTY OF T	Allegar Di	Sessional	II			

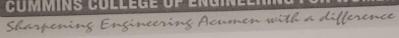








Maha i Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





Date: 13/05/2018

COEW/MECH/ 18-19

LESSON & TEACHING PLAN

		S bil D	Lanious	27		Subject: APP	-	ODD SEM	(2018-19)	Sem:- 5th
VEEK No.	Name: Prof	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18 June - 23 June	5	1	Introduction to Basic Production processes, Tools used in manufacturing, cutting tool material used in manufacturing, Non- conventional machining Processes: Introduction & classification,		Manufactruing Processes By J P Kaushish Pg. 773-797				
2	25 June - 30 June	5	1	Electrochemical machining, Electrical Discharge, Ultrasonic machining advantages, disadvantages and applications of above processes.		Manufactruing Processes By J P Kaushish Pg. 773-797	PPT, Vedios, Soft notes from IIT Kharagpur			
3	2 July - 7 July	5	1	Laser beam machining, Electron beam machining, Water jet machining, Abrasive jet machining Advantages, disadvantages and applications of above processes.		Manufactruing Processes By J P Kaushish Pg. 773-797	PPT, Vedios,			
4	9 July - 1- July	4 5	2	Advanced joining Processes: Introduction and classification of welding techniques, Advanced welding processes such as TIG, MIG welding,		Manufactruing Processes By J P Kaushish Pg. 501-609	Vedios,			
5	16 July - 21 July	1 3	2	Plasma arc welding, Oxyacetylene welding Atomic hydrogen welding, Laser beam welding, construction, working, applicationa, advantages and disadvantages		Manufactruing Processes By J P Kaushish Pg. 501-609	Vedios,			







Malashi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



COEW/MECH/ 18-19

Date: 13/06/2018

LESSON & TEACHING PLAN

	Don't	Suchil P	Laniewa	ar .		Subject: APP		ODD SEM	(2018-19)	Sem:- 5th
/EEK	Name: Prof	No. Of		Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
6	23 July - 28 July		2	Electron beam welding, Electro slag welding, construction, working, applicationa, advantages and disadvantages		Manufactruing Processes By J P Kaushish Pg. 501-609	Vedios,			
7	30 July - 4 Aug		3	Advanced machining Processes: Introduction, Classification, Capstan and turret lathe, Tool layout for capstan and turret lathe, Machining center.		Manufactruing Processes By J P Kaushish Pg. 370-389	PPT, Vedios,			
8	6 - 10 Aug					Sessional I				
9	13 - 18 Aug		3	Introduction to micromachining, nanofabrication, high energy rate forming.		Manufactruing Processes By J P Kaushish Pg. 722-723				
10	20 - 25 Au	g	4	Die cutting operations: Introduction, Sheet metal cutting, Sheet metal forming, Sheet metal drawing	3,	Manufactruing Processes By J P Kaushish Pg. 666-690	PPT, Vedios,			







Mah Shi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



COEW/MECH/ 18-19

Date: 13/06/2018

LESSON & TEACHING PLAN

aculty	Name: Prof	. Sushil R.	Lanjew	ar		Subject: APP		ODD SEM	(2018-19)	Sem:- 5th
No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
11	27 Aug - 1 Sep		4	defects in drawn parts, Spinning, Equipments for sheet metal working, Die and punch.		Manufactruing Processes By J P Kaushish Pg. 666-690	PPT, Vedios,			
12	3 - 8 Sep		5	Jigs and fixtures: Introduction, principles of jig and fixture, Principle of location, jig bushes,		Manufactruing Processes By J P Kaushish Pg. 840-874	PPT, Vedios,			
13	10 - 15 Sep		5	Drilling jigs, type of clamps, classification of fixtures.		Manufactruing Processes By J P Kaushish Pg. 840-874	PPT, Vedios,			
14	17- 21 Sep		6	Super finishing processes: Introduction, Principle of super finishing process, Lapping, Honing, Buffing & Electroplating. Principle of operation, advantages, disadvantages and applications of above processes. Application of LASER in surface modification.		Manufactruing Processes By J P Kaushish Pg. 480-484, 901-903	PPT, Vedios,			
15	24- 29 Sep					Sessional II				

Faculty Incharge

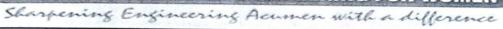
no.



HoD



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/MECH / 18-19

Date: 13/06/2018

LESSON & TEACHING PLAN

				CUMMINS COLLEGI	OF ENGINE	ERING FOR WON	MEN, NAGPUR			
aculty	Name: Prof.	. Vikram D	Dandeka	г		Subject: AE		7th Sem	(2018-19)	Sem:- ODD
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18-22 June			Orien	itation Progran	ı on Refrigeration ar	nd Air conditioning			
2	25-30 June	5	1	Introduction, Automobile history and development, Chassis, articulated and rigid vehicles and vehicles layout.	w/s Vehical Model practice	Automobile Engg. By Dr.Kirpal Singh ch.1.pg.1-8	Vehical History PPTs	26 6 18 27 6 18 29 6 18		*
3	2-7 July	5	1	Engine construction – Structural components and materials Fuel supply system, cooling and lubrication systems	Petrol & diesel engine	Automobile Engg. By Dr.Kirpal Singh ch.1.pg.8-11	Engine working Video	29/6/18 2/7/18 3/7/18		8
4	9-13 July	5	1	Filters, water pumps, radiators, Thermostats, antifreezing Compounds.	practice in w/s	Automobile Engg. By Dr.Kirpal Singh ch.1.pg.12- 20	water pump and thermostat working Video	417118		*

Faculty in charge





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
5	16-21 July	6	2	Clutch – Necessity, requirements of a clutch system. Types of Clutches, centrifugal clutch, single & multiplate clutch, fluid Clutch.	Show clutch Plate and working in w/s	Automobile Engg. By Dr.Kirpal Singh ch.1.pg.28- 32	Types of clutch	9/7/18		8
6	23-27 July	5	2	Gear Selector mechanism, lubrication and control, Torque Converter, Automatic Transmission.	will dismental gear box in w/s.	Automobile Engg. By Dr.Kirpal Singh ch.1.pg.34- 78	Types of gear box	11/7/18 17/2/18 18/7/18		8
7	30-4 Aug	- 6	3	Transmission system: Propeller shaft, Universal joint, constant velocity joint, Hotchkiss drive, torque tube drive.	w/s gear box study	Automobile Engg. By Dr.Kirpal Singh ch.1.pg.69- 79	Types of gear box working operation on Video	21/7/18 30/7/18 31/7/18		8
8	6-10 Aug					Session	nal I			
9	13-18 Aug	6	3	Differential - Need and types, Rear Axles and Front Axles Brakes - Need, types Mechanical, hydraulic, Pneumatic brakes, Electrical Brakes,	bus differential study	Automobile Engg. By Dr.Kirpal Singh ch.10.pg.319 356	Videos on youtube and NPTELwill show	318118		8
10	20-24 Aug	5	3&4	Engine Exhaust brakes, Drum and Disc brakes, Comparison. Details of components, Brake adjustment. 4. Steering systems, principle of steering, center point steering, Steering linkages, steering geometry and wheel alignment, nower Steering special steering.	bus brakes and body study	Automobile Engg. By Dr.Kirpal Singh ch.9.pg.266- 318		1418 18		*







WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOO's sign
11	27Aug - I Sep	6	4	Tyres, tyres specification, factors affecting tyre performance, Special tyres, wheel balancing, suspension systems - Function of Spring and shock absorber.	bus tyre and specification will study	Automobile Engg. By Dr.Kirpal Singh ch.7.pg.170-209	Videos on youtube and NPTELwill show	27 8 18 28 8 18 29 8 18	1	\$
12	3-7Sep	5	5	Operation and maintenance of Batteries, Alternator working Principles and Operation of regulators, starter motor, Battery Junities and manuato.	bus electrical system will study	Automobile Engg. By Dr.Kirpal Singh ch.12.pg.407-426	Videos on youtube and NPTELwill show	30/8/18 319/18 419/18	3H]18	Q.
13	10-14 Sep	6	5&6	Recent Advances in automobiles such as ABS, Electronic Power Steering, Steer by wire, Traction control, Active suspension	ear system will study	Automobile Engg. By Dr.Kirpal Singh ch.12.pg.427-443	Videos on youtube and NPTELwill show	719118		8
14	17-21 Sep	5	6	Collision avoidance, Inteligent lighting, Navigational aids and Intelligent vehicle highway system.	car system will study	Automobile Engg. By Dr. Kirpal Singh ch.16.pg.485-523	NPTEL will show	17-19-18 1919-18 21) 9-118		8
15	24-29 Sep	BAC)				Session		1.00		









Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference

CCOEW/MECH/ 18-19

LESSON & TEACHING PLAN

Date: 4 / 8 / 2018

Faculty	Name:Dr. S	Shailesh K	hekale			Subject: DMD		SEM -ODE	(2017-18)		Sem	:- VII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment Date	Tutorial date	HOD's remark	Principal
1	18 - 22 June	4	1	Coupling: Types of shaft coupling, design of flange coupling, flexible bush coupling.	Discussion with models	Machine Design By Khurmi Gupta , V.B	https://www.youtube.co m/watch?v=kJl08Pk-xI4	2/7/18			C*	
2	25 -30 June	4	1	Flywheel: Functions, Coefficient of fluctuation of energy and Coefficient of fluctuation of speed, energy store in flywheel, stresses in flywheel, design of flywheel.		Machine Design By Khurmi Gupta , V.B Bhandari (750- 760)	https://www.slideshare.net/VikasDeulgaonkar/flywheelppt https://www.youtube.com/watch?v=xngqym8XZiYhttps://www.slideshare.net/VikasDeulgaonkar/flywheelppt				grower not give	
3	2-7 July	4	1	Design of Bearings: Lubrication. Types of Lubrication, oil seals, design of hydrodynamic journal bearings for radial loads	Discussion with models	Machine Design By Khurmi Gupta , V.B Bhandari (564- 640)	https://www.youtube.co m/watch?v=dFn2Ovh_gic https://www.youtube.co m/watch?v=Mybf-XCA4H4				1 425/	

Faculty in Charge









Maharshi Kang Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference





CCOEW/MECH/ 18-19

LESSON & TEACHING PLAN

MECHANICAL ENGINEERING DEPARTMENT

Faculty	Name:Dr. Sl	hailesh Kl	nekale			Subject: DMD		SEM -ODI	0 (2017-18)		Sem	n:- VII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment Date	Tutorial date	HOD's remark	Principal
4	9-13 July	4	1	Selection of ball and roller bearing for radial and thrust loads. Failures of antifriction bearing, bearing housing	Discussion with models	Machine Design By Khurmi Gupta , V.B Bhandari (564-640)	8xqBXwE	27/7/18			*	
5	16-21 July	4	2	Design of Flat belt drive: Types of belts & belt material, analysis of belt tension, condition for transmitting maximum power, design of flat belt, flat belt pulley.		Machine Design By Khurmi Gupta , V.B Bhandari	PPI and https://www.youtub e.com/watch?v=tPtlw iiSanl https://www.youtub e.com/watch?v=cfAK 1bhdtp8	18 8 18			*	
6	24-26July	3	2	Design of V belt drive: Types of V- belt, analysis of V-belt tension, design of V belt & pulley.	MACHINE SHOP(LATHE MACHINES)	Machine Design By Khurmi Gupta, V.B		27/8/18			8	
7	30 July-4 August	4	2	Design of Roller chain drive: Velocity ratio and length of chain, design of chain, dimensions of tooth profile, design of sprocket.	WORK SHOP (MOTOR BIKE)	Machine Design By Khurmi Gupta , V.B Bhandari	https://www.youtube.co m/watch?v=uNDGWuxbT nE					
8	6-	10 Augu	st			Sessiona	H					
9	13-18 August	4	2	Design of wire rope drive: Introduction to wire rope, stresses in hoisting wire rope. Design of wire rope, sheave and drum.		Machine Design By Khurmi Gupta , V.B Bhandari	https://www.youtube.com/watch?v=eEZb2y3 WX_o https://www.youtube.com/watch?v=eDVf71xd 2cO					





Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Department of Computer Engineering

(ACADEMICYEAR 2022-23 to 2018-19)

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in







Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference







Academic year

2022-23

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in









Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Deumen with a difference



Date: 07/03/2023

LESSON & TEACHING PLAN for Consumer Affairs

Department of Computer Engineering

			1.2-2		tment of Computer		Sec: CE	Year : 1	2022-23	Sem:-
WEEK	Name: Dr Week	No. Of	200	Ramteke Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
No.	F-b	1	and the second	Introduction about the subject				20/3/23		
1	27-28 Feb				ANANYA	CULTURAL FES	T			+-
2	March	0		le sessemare and				23/3/23		
	or charge and the second	properties and Other Arts	ADEL MATERIAL STATES AND ADDRESS AND ADDRE	Concept of consumers and markets				29/3/23		
3	6-11 March	3	I	concept of retail price			CONTRACTOR OF THE PARTY OF THE	30/3/23		
		or in the contract of the cont	Property Constitution of the Constitution of t	whole sale price						
	13 - 18	0	enticle de la constitución de la	1	Skill	Development		1. 1. 2		
4	March			74 7 7				30/3/23	And the second s	and a
	a construction of the cons			maximum retail price,				31/3/23		N
5	20 - 25 March	2	electronical rate	local taxes,				31/3)23		1
	MARCH	PPPP-SIZE CALL	And the second s	fair price and packaging.						1
				Activity				3/4/23		1
6	27 March	2		Consumer protection act 1986				6/4/23		0.00
0	1 April	New York Control of the Control of t	Security in the second	objectives and provisions						Chicago and and and and and and and and and and
-			***	Grievances redress mechanism				7/4/23		4
7	3 - 8 April	2	And the control of th	under consumer protection act				13/4/23		
,		#China with the state of the st		procedure for filing and hearing a complaint		(man 4111) =		Kridind Dr. Milind Khanspurkar		

WE! No	I IA/aa	k No.	1	exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence ook - Chapter no. Page no,edition. No	Completion Date	Assignment/Tutori al Date	AC's sign
					13-3-23	to 18-3-23 (SESSIONAL-1)				
			1	RIP				28/3		N
	20 March			OSPF				28/3		
8	24	3	п	OSPF		configuring BGP protocol on packet tracer	TCD (ID D	2813		
	March			BGP		on packet tracer	TCP/IP Protocol Suit (fourth Edition) By	2913		
				BGP			Behruz Foruzan	2113		1
				ICMPv4			Chapter 18, 568 Chapter 19, 582	2913		1/-
	7 March	3	Ш	IGMP.		Configuration of protocols	Chapter 20, 610	2913	-	
	01 April		***	BGP		on packet tarcer			 	
- And Company of the Company								29/3		-
				BGP				2913		
		1	Ш					419		10
	3 April-	3		TCP header, services		understanding concept by		414) gy
	7 April			Connection establishment and termination		real time example		514		
	M-Garan-Propositioners		IV	Interactive data flow				614	Assignment	No. 19
1				Bulk data flow,				614	3.	
				Flow control and Retransmission				1014		
1,	April-			TCP timers,Urgent Data processing,Congestion control.				'-		V
	5 April	3	10					12/4,13/4		
			ŀ	IPv6 addresses,Packet format		configuring HTTP protocol	TOP (IP P	1314		
+				Multicast	. 7	protocol	TCP/IP Protocol Suit (fourth Edition) By	514		
			را	CMPv6,			Behruz Foruzan	1714		
	April- April	3	V	nteroperation between IPv4 and IPv6			Chapter 23.24	18/4	,	
				oS, Auto configuration.		understanding concept by real time example		18/4		
ılty	in Cha	rge	6	Score of English Processing State Control of the Co	24-4-23 to 2	29-4-23 (SESSIONAL 1)	HOD	914,2014,	21/4	



WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assign ment/T utorial Date	AC's sign
				Dynamic Programming						arian parininana manana makaana.	
			II '	Matrix chain multiplication		-	Thomas H. Cormen		27/2		
	6 mar			Matrix chain multiplication			and Fundamentals of Computer		8/3		
6	6 mar- 10 mar	5	Andrews of Andrews Conscious States and Conscious S	longest common subsequence multistage graphs			Algorithms by Horowits,Sahani,Rajs	A CONTRACTOR CONTRACTO	8/3	Mineral Control of the Control of th	
		<i>5</i> :	en en en en en en en en en en en en en e	iongest common subsequence multistage graphs			ekharan		9/3		
7	13 Mar 18 Ma	1 -	IV			sessional1	Thomas H. Cormen and Fundamentals of				
	gilags einthra d'All ris	Carrier Carrier Control		All pair shortest path					13/3		
		-		All pair shortest path			Thomas H. Cormen and	,	13/3		
8	20 Ma 24 Ma		IV	optimal binary search tree		Complexity and cost analysis	Fundamentals of Computer Algorithms by		14/3		~\
	gourde compare et s'ho redifficie			optimal binary search tree			Horowits,Sahani,Rajse kharan		14/3		ON .
-				Travelling salseman problem	1				14/3	- Lanceston	10
				Randomized algorithm			Thomas H. Cormen		23/3		
	27 M:	ar -		Randomized algorithm			and Fundamentals of	Alexander and a second a second and a second a second and	A STATE OF THE PARTY OF THE PAR		Marin Control of the
9	31 M		V	Amortized analysis		MCQ patterns of	Computer Algorithms by	Water and the same of the same	24/3		
1			,	Amortized analysis		questions	Horowits, Sahani, Rajs	And a state of the			

Dr. Millind Khanapurkar Principal Maharah Kares Stres Shikahan Sanetha's Tumaisa College of Expineering for Moosen Wingos, Nappu-441119



Maharshi Kove Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Acumen with a difference



CCOEW/CE/ 22-23

Date: 25/01 / 2023

LESSON & TEACHING PLAN for UNIX AND SHELL PROGRAMMING

				Departr	ment of CC	MPUTER	ENGINEERING					
aculty	Name: P	rof. SHA	ILESH S	SAHU		Sub:	Unix and Shell	Programming	Sec: -	Year: 20	022-23	Sem:- VIII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent Tutorial Date	AC's sign
1	30/01/23 04/02/2	1 h		General Overview of the system: System Structure (Architecture of UNIX Systems). User Perspective (The file system, Processing Environment.)						0412-		
2	06/02/		T.	(Building Block Primitives), Operating systems services. Assumption about hardware (Interrupts and Exceptions, Processor Execution Levels, Memory Management).	USP-SS- PPT1		UNIX COMMANDS	The Design of Unix Operating System by- M.J		10/2_		The same
	13/02	1 -	2	Introduction to kernel: Architecture of the UNIX Operating System (Block Diagram of the system Kernel). Introduction to system Concepts (An Overview of the File Subsystem, Processes-State and Transitions). Kernel data structures, System administration.	USP-KA PPT2	4-		Bach (4-36)		13-12	18/2)	22



			T									
WEEK No.	Week	No. Of Lect.	No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent Tutorial Date	AC's sign
A	20/02/23 24/02/23	6	2	The Buffer cache: Buffer headers, structure of Buffer pool, Scenarios for retrival of a buffer.(Scenarios no. 1 to 5) Reading and writing disk blocks. Tutorial.				The Design of Unix Operating System by- M.J Bach (38-56)		24102		
5	27/02/23 28/02/23	2		Internal representation of files: Inodes (Definition, Accessing Inodes, Releasing Inodes). Structure of regular files.	USP-BC- PPT3		C PROGRAM	The Design of Unix Operating System by- M.J Bach (38-56)		28/02		De
6	06/03/23 10/03/23	5	3	Directories.conventions of a path name of nodes (Algo-namei). Super block.Inode assignment to a new file (Algo-ialloc). Allocation of a disk block, other file types. Tutorial.	USP-IN- PPT4		C PROGRAM	The Design of Unix Operating System by- M.J Bach(67-88)		pto3	19/03 Regular	
7				13/03/23 to 18/03/23								
8	20/03/23 24/03/23	5	4	System calls of the file systems: Open, Read, Write. File and record coding seek.close, file creation, creation of special fileschange directory, root, mode and owner. stat, fstat, pipes, dup mounting and unmounting file system, File system abstraction and maintenance. Tutorial.	USP-IN- PPT4		UNIX COMMANDS	The Design of Unix Operating System by- M.J Bach(67-88)		24103		

Subject Teacher





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
35	3 Apr-7 Apr	5	I	File system implementation, Directory implementation, Allocation method, Free-space management, Efficiency & performance, recovery	D-Frag (using windows Disk Management system tool)	chapter 1, pg no. 3,12,18,20 Chapter 2, pg no. 49-88 Chapter 10, pg no. 421-451	,	29/3/23 30/3/23 3/13/23 3/4/23		
d distantiplane e proprieta de menero de mener	10 Apr-15	5	П	Process concept, process scheduling operations on process, interprocess communication	C Prog (message sending)	Opearting System Concepts by Avi Silberschatz, Galvin chapter 11, pg no.		514122	1	900
ARREST STATE OF THE STATE OF TH		Ambientalista (Ambientalista)		PROCESS SCHEDULING: Basic concepts.	Multithreding using JAVA	461-490 Chapter 3, pg no. 101-128		614123		
		Annual Para Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Salah Sa	п	scheduling criteria, scheduling algorithm.multiprocessor scheduling algorithm evaluationithm.		Opearting System		1014128		7
5	17 Apr-22 Apr	5		PROCESS SYNCHRONIZATION: Background" Critical section problem, Peterson's solution	C Prog (Using data structure)	Concepts by Avi Silberschatz, Galvin		12/2/12/3		
oniani daday terremonikasing antonggapanas		eriasionista variationista de despesado de la companya de la companya de la companya de la companya de la comp	Ш	, Hardware solution, semaphore monitors , , classic problems of synchronization, types of semaphore.		chapter 6, pg no 225-257		1816123		
6				Ses	sional - I (2	4 Apr 2023 -	29 Apr 2023)			
/	May-6 Aay	5	111	THREADING: Multithreaded programming overview, multithreading models.	Algo using C	Opearting System Concepts by Avi Silberschatz, Galvin Chapter 7, pg no. 283-304		2114128		3





1/23



Maharshi Karve Stree Shikshan Samstha's Educating Women for CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE/ 2022-2023

Lab Practicals Plan

				Depart	tment of Co	mputer Eng	ineering					
Pro	f. Pinky Gangwani		Da	ta Structure	es	Ye	ar: 2022-2	23		Sem:- IV	'	
				Batch B1	3 2) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Batch B2			Batch B3		
Pi	Name of experiment	Lab ID	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
1	Write a program in C to implement Bubble Sort		29/3/2023	29 3 23		23/3/2023	23/3/23		21/3/2023	21/3/23		
2	Write a program in C to implement Binary Search		04-05-2023	514123		04-06-2023	6/4/23		28/3/2023	28/3/25		
3	Write a program in C to implement Linkedlist		04-12-2023	12/4/23	3	13/4/2023	13/4/23		04-04-2023	4 4 23		
4	Write a program in C to demonstrate Stack		19/4/2023	19/4/23	3	20/4/2023	20/4/23	3	04-11-2023	11/4/23	}	1
5	Write a program in C to implement Queue		19/4/2023	19/4/23	3	20/4/2023	20/4/23	3	18/4/2023	18/4/23	3	
6	Write a program in C to implement evaluation of postfix expression		05-03-2023	3/5/23	3	05-04-2023	4 5 2	3	05-02-2023	2 5 23	3	





				Depar	tment of Co	omputer Eng	gineering					
Pro	of. Pinky Gangwani		Da	ata Structur	es	Ye	ar : 2022-	23		Sem:- IV	'	
_				Batch B1			Batch B2			Batch B3		
Pi	Name of experiment	Lab ID	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
7	Write a program in C to implement binary tree		05-10-2023	10/5/23		05-11-2023	11/5/23		05-09-2023	9/5/23		
8	Write a program in C to implement binary search tree		17/5/2023	17/5/23		18/5/2023	18 5 23		16/5/2023	16 5 23		(ol
	Write a program in C to implement BFS and DFS traversal algorithms		24/5/2023	2415/23		25/5/2023	25 5 23	-	23/5/2023	23 5 23		

Subject Teacher

D

AC







SECULLEGE OF ENGINEERING FOR WOMEN



CCOEW/CE / 2022-2023

LESSON & TEACHING PLAN for Data Structures

Department of Computer Engineering

Faculty	Name: Prof.	P. Ganow	ani	Department of Cor					The second secon
		- angw		\(\)	Sub :	Data Structures	Year : 202	22-2023	Sem:- IV
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/T utorial Date	AC's sign
			· · · · · ·	Introduction: - Concept of Data structures			0010108	/	^
1	20 Mar-24 Mar	4		Time and space analysis of algorithms			20 3 23		-
				Big oh and theta notations and omega notations			21/3/23		
of A. Analysis from several analysis		-	I	Average, best and worst case analysis		Data Structures	24 3 23	/	1
				Searching techniques- Linear search, Binary search, Indexed search		using C by Tanenbaum	, ,		- 1
2	27 Mar-1 Apr	4		Sorting techniques- Insertion sort, selection sort		l ,	23/3/23		
	· Spr			,			31/3/23		17/0
				Bubble Sort, radix Sort, Merge Sort Hashing, Collision resolution policies.			1/4/23		
AND CONTRACTOR OF THE PROPERTY	1			Linked Lists: Simply linked list			714123		
	3 Apr-7		İ	Implementation of linked list using static and			5/4/23		
3	- inter	4	Ľ	dynamic memory allocation	Komlind		6/4/23		

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	Refrence ok - Chapter no. Page no,edition. No	Completion Date	Assignment/T utorial Date	AC's sign
	Apr		11	Operations on linked list polynomial representations and manipulations using linked list	5	Data Structures using C by Tanenbaum	7/4/23		
1	10 Apr-15 Apr	4		circular linked list	-		7/4/23	04/23	
	Арг			Generalized list sparse matrix, polynomial	_		13/4/23		3051
_	17 Apr-21			Stack and Queue - Array representation of stacks, Implementation of stack using arrays Queues and Dequeue		Data Structures using C	15/4/23		921
5	Apr	4	III	Circular queue	-	by Tanenbaum	50/4/53		
				Polish notation 24 Apr - 29 Apr	Sessional -I		17/4/23		J
	1 May - 6	4	Ш	Application of stack & queue Conversion from Infix to Postfix Evaluation of postfix expressions, Priority Queues			1914123		
6	May	4		Trees: Basic Terminology, Basic trees Binary tree representations			3 5 23		
				threaded storage representation			5 5 23		





No.	Week	No. Of Lect.	No.	Exact Topic Name & Subtopic	Topic ID	Refren Book - Chapter no. Page no,edition. No	Completion Date	Assignment/T utorial Date	AC's sign
Telescopy - Printers on a parameter	NEW 12	4	The second secon	binary tree traversols binary search trees		Schaum's outline: Data Structures by Seymour Lipschutz	6 5 23	2 8 5 23	
en en en en en en en en en en en en en e	15 May - 19			Application of trees Preliminary treatment of AVL Trees B-Trees	_		12 5 23		
Section of the sectio	May	5		Graphs: Definition & terminology Graph representation: matrix representation of Graph List of structure			15 5 23		
Ģ	22 May - 26 May	₹.	v	Spanning trees Shortest path algorithm, topological sorting		Data Structures using C by Tanenbaum	16 5 23 6 5 23 8 5 23 8 5 23		31/0
10	29 May - 31 May	3		Shortest path algorithm, topological sorting 23 5 23 Critical path, Symbol Tables static tree tables, dynamic tree tables hash tables, hash functions			19 5 23	3 25 5 23	'

Sun Teacher Prof. Pinky Gangwani





Ac

Prof. S. Deote

					Activity/ Virtual	Refrence Book -		Completion	Assignment/	AC's
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	lab link Teaching Aid	Chapter no. Page no,edition. No	link for quiz or poll	Date	Tutorial Date	sign
	10 - 15		II	remedies, frivolous and vexatious complaints				17/4/23		
8	April	2		offences and penalties.				20/4/23		
9	17 - 21				Session	nal - I Exam		1111	\	Α
	April			Industry regulations and consumer				21/4/23	-	}
10	24 - 29 April	3		complaint redressal mechanism				21/4/23		
-				Banking – RBI and banking				4/5/23		
11	1 - 6 May	3		ombudsman,				4/8/23		(R)
			Ш	Advertising – ASCI				15/5/23		1
10	8 - 13 May	3		Insurance – IRDA and insurance				18/8/23		
12	8 - 13 May	3		ombudsman				18/5/23		-
				Telecommunication – TRAI,				19/5/23		-
13	15 - 20 May	3		Food products – FSSAI				20/5/23		
				Evolution of consumer				A ssiqnno	٠	
14	22 - 27	3		movements in India				Assign mon	-	
17	May		IV	their role in consumer protection				Assignmen	<i>J</i> -	
	29 - 31		1	their role in consumer protection				25/5/23		
15	May	1		national consumer citizen charter				26/5/23		
16	1 - 3 June				Internal Pr	ractical Exam				/
17	5 - 9 June				Sess	ional II				

Sub. Teacher







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE / 22-23

LESSON & TEACHING PLAN for Operating System

				Department of	of Computer Er	ngineering			
Faculty	Name: Prof	. Sharayı	u Deote		Sub: Web Technol	ogy	Year :	Sem:- IV	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tu torial Date	AC's sign
				Introduction to HTML, Html tags		The complete			
1	20 Mar-24 Mar	5	I	Simple HTML forms ,		reference HTML and CSS	28 04		
			7 - 7	web site structure		and C55			
				,frame set tags					
	27 Mar-1			web site structure			07 04		
2	Apr	5	I &II	Style sheets: Need for CSS, introduction to CSS basic sytax and structure		•	,		^
	3 Apr-7	_	II	CSS background images,color and properties			9104		\ me
3	Apr	5	"	manipulating texts, using fonts			07/04		
	10 A m f 16		-	manipulating texts, using fonts, border and boxes				Asig. of	-
4	10 Apr-15 Apr	5	II	margins, padding list			10/14		

Faculty in Charge

College of Englisher St. Hingma, Hopper-Hillis E. L. Linds

Dr. Millind Khanapurkar Principal Mahash Kores Stres Shestan Sanetha's Junnies College of Enpisering for Women Kores Napon-49110 (A)

VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tu torial Date	AC's sign
				positioning using CSS, CSS1			18 04		
	11 Apr 77			Technology, attributes, tree, XML			19/04		
5	Apr Apr	5	II	XML, validation -DTD,CSS,Schema,			21/04		
6				Sessiona	al - I (17 Apr	2023 -21 Apr	2023)	T	
7	24 Apr-29 Apr	5	Ш	XML, PARSER, database, Namespace			21 14	Ass9.32	
8	1 May-6 May	5	III	Validation: Understanding validation, the validation control, Rich Controls:			02/15		go
9	8 May- 12 May	5	IV	The calender ADROtator, Pages with multiple view, User control and graphics:User controls, dynamic graphics.		The complete reference book by Mathuev ma et lonald	12/05		
10	15 May-20 May	5	IV	Styles themes and master pages:Bsics,			70 00		
11	23 May- 27		v	ADO.net and data binding Asp.net security Model,		Visual basic .net Comprehensive	17, 18_ 20/05	A89 '03	
12	29 May - 31 May	5	v	Forms Authentacation Wndows authentication		Concepts and Techniques by Shelly, cashman	22,23, 26,29 May		
15				Se	ssional II (5 J	June- 9 June)			



Dr. Millind Khanapurkar
Principal
tahanh Kare Stee Skishan Sanetha's
unnias College of Exponenting for Bloom
Wingos, Nappu-46115.



Mahari Karve Stree Shikshan San Sha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/CE / 2022-2023

BECME406T

LESSON & TEACHING PLAN for SYSTEM PROGRAMMING

				Department of	f Compute	r Engineer	ing 	·	T		
Faculty	Name: Pro	f. Supriya	Bani			Sub: SP		Sec:	Year : 2022-2023		Sem:- IV
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
				IBM 360/370 & Assembler				·	20/3		
				Introduction to System Programming & its component	t				20/3		
1	20-24 march	4		Introduction to System Programming & its component	t				21/3		
	march			M/c Architecture,			System Programmin		21/3		1 0
				Instruction Formats	. Transcon		g by John J. Donovan,		23/3		(3)
			I	Data Formats Data Formats & Register Formats			TATA McGRAW-		23/3		
				Data Formats Data Formats & Register Formats			HILL Edition - Chapter 1, 2,		24/3		
2	27 march-	. 5		Concept of assembler			3		27/3		
	1 apr					2			2713		
				design of single pass and two pass assembler					31/3		
Facu	lty in C	harge			Kainli		HOD		1/4		

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page	nk for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
3	3-7apr	5		Macro processor Concept of macro macro call within macro macro definition within macro recursive macro calls			System Programming by John J.		3/4 4/4 6/4		
4	10-15 apr	5	п	recursive macro calls design of macro processor design of macro processor Linkers and Loaders Basic Loader functions			Donovan, TATA McGRAW-HILL Edition - Chapter 4		10/4 11/4 13/4 17/4 18/4 20/4		O C
5	17-21 Apı	r		Sessional 1			System			· · ·	
6	24-29 apı	5	ш	Loader schemes Complier and go" Loaders general Loader scheme absolute loaders			Programming by John J. Donovan, TATA McGRAW-HILL Edition - Chapter 5		16/5 16/5 24/5		ane.



Dr. Milind Khanapurkar Principal Mahash Kirra Stras Nikhan Sasetha's Tuminis College of Expinenting for Women Hopps, Nappor-441119

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching	Book - Chapter no.	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
7	1 may - 6 may	5	ш	subroutine linkages relocating loaders direct linking loaders other loader schemes Binders			D. M. Dhamdere : "Systems programmin g and		24/5 26/5		
8	8-12 May	5		Overlays Dynamic Binders Design of an absolute Loaders Design of a Direct – Linking loaders Compiler		- 1	operating system", Tata McGraw Hill	1	31/5 9 45 6/5		5)
9	15 -20 May	. 5	IV r	Phases of Compilers Overview of Databases and Algorithms required for Role of lexical analyzer ecognition of tokens Study of LEX & YACC			Unix device drives by George Pajani, Pearson Education	2	3/5 28/5 28/5		

Mingner 441111

Dr. Millind Khanapurkar
Principal
Maharith Kirre Shekhas Saeethu's
"uneles College of Engineering for Waken
Walter Shekhas Saeethu's
"uneles College of Engineering for Waken

No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page	link for quiz or poll	Completion Date	Assignment/ Tutoria! Date	AC's sign
10	22 - 26 May	4		Unix Device Drivers					4/5	(
	May			Definition, Anatomy and Types Device programming					515		
		12 1		Installation,		,			6/5		
11	29 May - 3 june	5		Incorporation of driver routines Basic device operation		*			8/5		9
			v	Implementation with Line Printer Comparative study between device drivers for UNIX	&	*	Intel®64 and IA-32 Architectures		915		
				Case study of Intel®64			Software Developer's Manual Volume1: Basi	c	11/5		
	5 inno 0			IA-32 Processors Basic architecture			Architecture		1115		
12	5 june -9 June	5		Sessional II							





Supriya Bani



Maharshi arve Stree Shikshan Samsthe's CUMMINS COLLI SE OF ENGINEERING FO WOMEN



CCOEW/CE / 22-23

LESSON & TEACHING PLAN for TCP/IP & In	ternet
--	--------

Department of Computer Engineering											
Faculty Name: Prof. Abhilasha T. Borkar		Sub: TCP/IP & Internet	Year: 2022-23	Sem:-VI							

Skill Development (23-1-23 to 30-1-23)

		nd T	Sec. 380	- W	Jan Develo					
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tutori al Date	AC's si
		7		Introduction to Networking	and the state of t		TCP/IP Protocol Suit (fourth Edition) By	30/1/12		1
1	1 Feb -4	3	1	Network architecture-Standards		http://highered.mheducation. com/sites/0073376043/stude	Behruz Foruzan Chapter 1, 2-14	3111103		
_	Feb			Comparison of OSI Model and TCP/IP model		nt view0/chapter 01 - multiple choice quiz.html	Chapter 2,19-40 Chapter 3, 47-80	112123		1
				Connecting Devices				212/13		1
										1
	-			Internetworking Concepts				6 12 123		1
2	6 Feb -10	3	1	Architectural model		Physical devices router, switch, ethernet RJ-		7/2/23		
-	Feb		1	Internet Backbones		45 and PPTS on connecting		812129		
				NAP, ISP's RFC's		devices by behrouz foruzan		9/2/29		
				Internet standard				10/2/29		

1

Hinger Hinger Hoper-Hills

Dr. Millind Khanapurkar Principal Maharah Karve Stres Shiskan Sanetha's Junnies College of Egineering for Woster Ingan, Napor 44110.

Faculty in Charge

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence ook - Chapter no. Page no,edition. No	Completion Date	Assignment/Tutori al Date	AC's sign
				Internet Standards.		100000000000000000000000000000000000000		13/2/23		
				IP address classes				15/2/23		
3	13 Feb - 18 Feb	3	2	Internet Addresses		Plan to show LAN connections through video	TCP/IP Protocol Suit	15/2/23		
				Classes,Classful Addressing,Classless Addressing			(fourth Edition) By Behruz Foruzan Chapter 5,6 115-150 161-178			
			1	Mask and subnetting				20/2/23		
				Numerical based on Masking		plan to give activity to identify classes and no. of		21/2/23	Assignment	
4 1	20 Feb - 24 Feb	3	п	Subnet Mask		networks and no. of host based on numericals		22/2/29		
				ARP and RARP				23/2/23		1
				DHCP			TCP/IP Protocol Suit	23/2/23		
				Numerical based on Masking		cisco packet tracer	(fourth Edition) By Behruz	1013123		1 300
			ŀ	two level and three level addressing		Simulator installation and	Foruzan Chapter 5,6 115-150 161-178	1413123		1
5	27 Feb - 28 Feb	3	п	supernetting		Perfroming practical based on Protocols and		14/23/23		29
				IPV6 addressing and packet format		configuration of		3)3)23		
				IPV6 addressing and packet format			4	23/3/23		
			1		Anannya Cult	ural Event (1-3-23 to 4-3-23)				
			-	Transition from IPV4 to IPV6.			و	1313		
				IP Datagram			5	1.713	A ceiam al	
	06 March 0 March	3	II	P Package-IP forwarding and routing algorithms		considering student as a object and perform client			Assignmen)	
			Ī	P Package-IP forwarding and routing algorithms		server communication		27/3		
			c	omputing paths				813		







Maharshi Karve Stree Shikshan Samstha's **CUMMINS COLLEGE OF ENGINEERING FOR WOMEN**

Sharpening Engineering Acumen with a difference

LESSON & TEACHING PLAN for Design Analysis of Algorithm

					Departme	ent of Computer E	ngineering				
Faculty	Name: S	Supriya	Gupta				Analysis of Algorithms		Year: 2022	2-23	Sem:- VI
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid		link for quiz or poll	Completion Date	Assign ment/T utorial Date	AC's sign
	Managang Grander (San Angarang		disconnection de la constantina della constantin	intriduction of algorithm		Open up Questioning			31/1	1	
	30th jan			Examples			Thomas H. Cormen		31/1		
1	- 3rd feb	5	11	Tournament method			and Fundamentals of Computer		1/2		
				Evaluating polynomial functions			Algorithms by Horowits,Sahani,Rajs ekharan		2/2		
				evaluating polynomial functions		Examples	Catalan		4/2		\rightarrow
(Albert Constant Section Constant September 1997)		Problem Control of the Control of th		preprocessing of coefficients				Commission and the Commission of the Commission	6/2		
ACAMBERT MACHININGS		теления в подружения подружения подружения подружения подружения подружения подружения подружения подружения п		solving recurrence equations		Machine learning	Thomas H. Cormen and Fundamentals of		7/2		

2	feb-10 feb	5			lab link Teaching Aid	Chapter no. Page no,edition. No	quiz or poll	Completion Date	ment/T utorial Date	AC's sign
enamente un consumero de la co	1		11	Asymptotic notation of analysis of algorithm	discussions	Computer Algorithms by Horowits,Sahani,Rajs		13/2		
3		000000000000000000000000000000000000000		complexity		ekharan		13/2		
		on the second		complexity				1412		
		PRESERVANCE CHRONOLOGY, CARROLING		Divide and conqure method		Thomas H. Cormen and		14/2		
5 1	3 Feb-	5	11	strassen's matrix multiplication	real time examples	Fundamentals of Computer Algorithms		15/2		
1	17 feb	HETHER HEADERS HETHER H		Greedy method	solution	by Horowits,Sahani,Rajse		16/2		
		A THE PERSONNELS OF THE PERSON		huffman code		kharan		[6]-2 23/1		
And the second s		K) dispersession operations		Minimum Spanning Tree		Thomas H. Cormen		,		
4) Feb-	5	III	Minimum Spanning Tree		and Fundamentals of Computer		20/2		
24	4 Feb	J soussessesses	111	Dijkstra algorithm	ABL activity	Algorithms by		Tutorial		
Deportment		es replies des des des des		Dijkstra algorithm		Horowits,Sahani,Rajs ekharan		3112		
Abriconvers		900 W-1-0-0	K	(napsack problem		Cidiala		2412_		
1			K	napsack problem				22/2		
夏	7 feb	de de de de de de de de de de de de de d		ob sequencing with eadlines	General introduction of	Fundamentals of Computer		23/2		
	o 03 Mar	5	1	ob sequencing with eadlines	Job sequencing with Operating system	Algorithms by Horowits,Sahani,Rajs ekharan	6	2'412		
	Topic Company of the	egy control (Control Control C	re	evision	2) 232	CKITATATI				professional party and the second





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	utorial	AC's sign
2	6 feb-10 feb	5	11	Asymptotic notation of analysis of algorithm		discussions	Computer Algorithms by Horowits,Sahani,Rajs			Date	
		REFORMATION CONTRACTOR OF THE PROPERTY OF THE		complexity complexity			ekharan				
	13 Feb-	PERMANDANAN PERMANDANAN PERMANDANAN PERMANDAN	II	Divide and conqure method strassen's matrix		real time	Thomas H. Cormen and Fundamentals of				97
3	17 feb	5		Greedy method		examples solution	Computer Algorithms by Horowits,Sahani,Rajse kharan			And the second) 2
	W Landscore and State of State			huffman code Minimum Spanning Tree			Thomas H. Cormen				
4	20 Feb- 24 Feb	5	III	Minimum Spanning Tree Dijkstra algorithm			and Fundamentals of Computer			Other Control of the	
	neman de la company de la comp			Dijkstra algorithm Knapsack problem		ABL activity	Algorithms by Horowits,Sahani,Rajs ekharan		Tutorial		
5	27 feb			Inapsack problem Job sequencing with deadlines		General introduction of	Fundamentals of Computer				
5	to 03 Mar	5		Job sequencing with deadlines	A	Job sequencing with Operating system	Algorithms by Horowits,Sahani,Rajs ekharan				
		\\\(\(\)		revision							f



Dr. Millind Khanapurkar Principal Maharah Karve Stree Shikkhan Sanetha' Lumaisa Cellaga of Layneering for Worker Hispa, Nappur-41118.

HOD

4



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE/ 22-23

Subject Teacher

Date: 25/01 / 2023

LESSON & TEACHING PLAN for INTERNET OF THINGS

					Departmen	nt of COMP	UTER ENGI	NEERING				
acult	y Name: P	rof. SHA	AILESH	SAHU				Sub: Internet	of Things	Sec: -	Year: 20	022-23
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent Tutorial Date
1	30/01/23 04/02/23	5 /1		Introduction to IoT- Characteristics of IoT, IoT ecosystem.	A CONTRACTOR OF STATES				. co. g . 5 /s zd.d. Sakut Mire		03102	
2	06/02/23 10/02/23		1	Physical design of IoT, Logical design og IoT.					Internet of Things, Srinivasa K. G.		10/02	
3	13/02/23 17/02/23	3		Functional blocks of IoT, Communication models/reference model of IoT.							10/02	(Dida
4	20/02/23 24/02/23	3		Data Link Protocols- IEEE802.15.4e IEEE802.11ah							24/02	- Pril
5	27/02/23 28/02/23	2	2	Transport and session layer protocols- Transport layer TCP, UDP.					Internet of Things, Srinivasa K. G.		26/02	
6	06/03/23 10/03/23	3		Session Layer protocols- HTTP,CoAP,XMPP,AMQP,MQTT	sperior fillrock par at 15 meteoristic part of 15 meteoristic part o		Makes and proper control of the Control of the cont		In-management 2 C-150 at 104 at 19 a	en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	1010)	DWinh
7			A CONTRACTOR OF THE CONTRACTOR	13/03/23 to 18/03/23				S	Sessional - I			V
8	20/03/23 24/03/23	3		Domain Specific IoT- Home automation, smart cities.	and the same of th				Internet of Things,	Supplied described	24103	MATTER SECTION OF SECTION SECT

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent Tutorial Date
U	27/03/23 01/04/23	4		Evironmental, retail. Logistics, Agriculture, Health, Lifestyles.					Srinivasa K. G.	Papadian di Giri (1884)	01/04	
10	03/04/23 07/04/23	3	4	Building blicks of IoT analytics- Introduction, IoT data and BigData, Challenges o IoT analytics applications.					Building blocks for IoT analytics,		07/04	
11	10/04/23 15/04/23	3	4	Cloud based IoT platform, IaaS, PaaS, and SaaS paradigms.					John Soldatos		15/04	33000
12	17/04/23 21/04/23	8 4	5	A reviewof tools- Tools and plaforms and data reasoning. IoT analytics application and case studies.					Building blocks for IoT analytics, John Soldatos		21/04	21/04
13				24/04/23 to 29/04/23		l		S	essional - II			





Salvy



Maharshi Ko ve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/CE / 22-23

LESSON & TEACHING PLAN for Data Warehousing & mining (Elective-III)

				Depart	ment of Computer	Engineering				
aculty	Name: Pro	of. Pinky	Gangwa	ani	Sub: Data	Warehousing &	mining	Year: 202	22-23	Sem:- VI
WEEK No.	-	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment /Tutorial Date	AC's sign
				Introduction to data warehousing			To control of the con	30/1/23		
	10 m 5 m 5 m 5 m 5 m 5 m 5 m 5 m 5 m 5 m	200 - 100 -		evolution of decision support system			Data Mining –	2/2/23	MATCHING THE PROPERTY OF THE P	
1	30th Jan - 4th Feb	5	Description of the second	Data warehouse life cycle			Concepts and Techniques -	3/2/23	And the second control of the second control	
	Service construction of the service se	Pathop day and a ship	Complete And Annual Complete C	Building a data warehouse			Jiawei Han &	4/2/23	an and a second an	
	and the second s	des region des stront technic	I	Data Warehousing Components			Micheline Kamber, Morgan	6 2 23		
	Takes for the takes	And a feet of the second		Data Warehousing Architecture			Kaufmann Publishers,	13/2/23	and the section of th	Acceptance
2	6 feb-10	4	orkidespeid desired	Trends in data warehousing			Elsevier,2nd Edition, 2012.	14/2/23	susciperate quantities	one of the control of
2	feb	**	And the second of the second o	Data marts, Metadata			Landon, 2012.	412123	The second second	
	entransporter and the second second	eliki serves aldik	and the second second	Data Warehouse design & Usage				16/2/23	e e e e e e e e e e e e e e e e e e e	
	* The second sec	Communication (1) of the communication (1) of		OnLine Analytical Processing (OLAP)				16/2/23	* Committee Comm	103
3	13 Feb-17	4		OLAP operations		 Contracting of the Country of the Coun		16/2/23		311
3	feb	4		OLAP Data modeling		and Adviced Refer of Control of C	Data Mining –	17/2/23		
				ROLAP			Concepts and	1712123		
				MOLAP			Techniques - Jiawei Han &	17/2/23		
4	20 Feb-24		II	HOLAP			Micheline Kamber, Morgan	001010		
	Feb	4		DOLAP			Kaufmann Publishers.	200103	•	4





	Name: Pr		Gangw	Vani	ment of Computer	Engineering				
NEEK		No. Of				Warehousing & r	mining	Year : 202	2-23	Sem:- VI
No.	Week	Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	Activity/ Virtual lab link	Refrence Book - Chapter no. Page no,edition. No	Completion Date		AC's sign
	27 feb -			OLAP implementation		Teaching			Date	
5	04 Mar	1		OLAP Tools		ECONOCIONADO A ANGLES	Elsevier,2nd Edition, 2012.	1	20/2/29	\
6	6 mar- 10 mar	2		Multidimentional Databases (MDDBs)			-	9/3/25		
		and the second		SQL Features for DW				1 1		
		deline unicomensament de la company de la co		Differences between operational database systems and data warehouses			Data Mining – Concepts and	1010100		
7	13 Mar- 17 Mar	H. A. A. A. A. A. A. A. A. A. A. A. A. A.	Ш	Data warehouse models and recommended approach for data warehouse development			Techniques - Jiawei Han & Micheline	101010	2	
	17 Mar			Introduction:Data Mining, What is Data Mining			Kamber, Morg Kaufmann Publishers,	141210	2	1
	of the Control of the	normal trimmages purposes.	model proposed was proposed as a second	What is the Data Mining Process?			Elsevier,2nd Edition, 201	110	23	
erd-re-condition-sp-sp-sp-sp-sp-sp-sp-sp-sp-sp-sp-sp-sp-					18 Mar- 21 Ma	r Sessional I				(2)
8	23 Mar-	2		Basic Data Mining Tasks			Data Minir	19- 1413	123	
	24 Mar	Albanian conductor	Weddings and a	Problem Identification			Concepts a	and 9412	123	10
manifectual substitutions	Control of the Contro	received during the second		Data Mining Metrics			Technique Jiawei Ha		123	
	27 Mar- 1		111	Data Cleaning (pre-processing, feature selection, data reduction,		Topic Conference and	Micheli Kamber, M	ne organ 9715	2102	
9	Apr	4		feature encoding, noise and missing values, etc)		Kamber, Morgan 27/3/23 Kaufmann Publishers, 07/3/23/27/3/29			2) 1	
				Key Issues, Opportunities for Data Mining			Elsevier,			
				Mining Frequent Patterns, Associations and Correlations: Basic Concepts			Data Mir	ning - 3113	123	





						epartment of Computer	Engineering			1 22	Sem:- VI
	h. Non	e: Pro	Pinky	Gangy	vani	Sub: Data	Warehousing & r	nining	Year : 2027	2-23	2em:- AI
EEK	Wee	No.	o. Of ect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment /Tutorial Date	AC's sign
	2.4	- 7			efficient and scalable frequent item set mining algorithms: Apriori algorithm	323	enalmentalismingtalismin (Mediativismin)	Concepts and Techniques - Jiawei Han & Micheline	1/4/25	an an agranularian an ana an an an an an an an an an an	
10	3 Ap		4	IV	Mining Various Kinds of Association Rules - multilevel and multidimentional rules		my mark collects a single-section of collection of collection of collections of c	Kamber, Morgar Kaufmann Publishers,	3/4/23		And the second s
					Association rule mining versus Correlati Analysis	on	ence co spool de viera devenicada in litera acciondo replicaciones de conservaciones de la conservacione del conservacione de la conservacione de la conservacione de la conservacione del conservacione de la conservacione della	Elsevier,2nd Edition, 2012.	4 4 23	ONE S MATERIAL METERAL SETTING CONTROL PROPERTY	n mangasan mangan m
					Constraint Based Association mining		Autoria dell		0423	он , правленераторе вонномости бассин и поставлен	yeu estroposa pigoto seda palatesi (ras upalun) hopilipitado, iri opilipitudo (roji pisolo estro personal su p
	10	apr-14			Classification and Prediction: Defination decision tree induction	on, 	processing an open substitute and the substitute of the substitute	Data Mining -	10/4/23	The second secon	· · · · · · · · · · · · · · · · · · ·
	11	apr	4		Bayesian Classification, Rule Based Classification		y cash and medicine and an angle of the control of a principal of the control of a principal of the control of a principal of the control of a principal of the control of a principal of the control of	Concepts and Techniques -	11/4/23		
1					Classification by Back propagation		was continued and accompany accompany and accompany accompany and accompany and accompany and accompany and accompany accompany and accompany accompany and accompany accompany and accompany accompany and accompany accompany accompany and accompany accompany accompany accompany accompany accompany accompany accompany accompany accompany accompany accompany accompany accompany accompany accompany accompany accompany accompany accompan	Jiawei Han & Micheline	13/4/23	y a ywa maga accupanagangangangan sa a sa sa sa sa sa sa sa sa sa sa sa s	
			200	7	Support Vector Machine			Kamber, Morgan	15/4/23	3	7/64
			TO CONTRACT OF THE CONTRACT OF		Associative Classification		percognitive entrance and appropriate and appr	Kaufmann Publishers,	17/4/23	1723	25
	12	17 apr-2 apr	4		Lazy Learners		, and the second of the second	Elsevier,2nd Edition, 2012.	19/4/23	and the same and a first colour communities ()	
			Appended to the second		Prediction, accuracy and error measure	es			19/4/23		and a second medicine procedure to the control of t
-						24 April -29 April S	essional - II				

Sub Teacher Prof. Pinky Gangwani



Dr. Milind Khanapurkar Principal Maharah Karra Straphaening Saneha's Tumiks Cellipa of Explanating for Monen Hops J. Napor 441118.

Prof. S. Deote

WEEK No.	Week ∷	No. Of Lect.	Unit No.	ED ID Exact Topic Name & Subtopic on the Teaching Projection. No	for gul Video ID II poli	Activity/ Virtual lab link Teaching	Refrence Be-k- Chapter no. Page no, edition. No	link for quiz or poll	Completion Date	Assignmen t/Tutorial Date	
2	7 Feb - 12 Feb	5		Error handling and Symbol Table management, Handling constants, literals, labels and Procedures					11/2/2022		
				One pass assembler design and comparison with two pass assembler design, Cross assembler.	*		•		14/2/202	2	
				Macro language and macro processor					15/2/2022		
				Macro instructions					16/2/2022	1	
3	14 Feb - 19 Feb	5		Features of macro facility	» 1 —				17/2/2022		
				Macro instruction arguments					18 2 2022		
				Conditional macro expansion			System Programming by John J. Donovan,		21/2/2022		
			II	Macro call within macros, macros instructions defining macros			TATA McGRAW-HILL Edition - Chapter 4		22 2 2022		
				Implementation- A two pass algorithm					22/2/2022		
4	21 Feb - 26 Feb	5		Implementation- A single pass algorithm					23/2/2022	-	
				Implementation- Macro call within macros					24/2/2022		
				Implementation within an assembler	,				24/2/2022	-	
				Assignment no-1	8				Jg m	28/2/22	
				Basic Loader functions					3 3 2022	1 1	



Week	No. Of Lect.	Unit No.	Teaching a subtopic of the second of the sec	i for gair Video ID ir poli	Activity/ Virtual lab Ilink Teaching	Refrence BC & - Chapter no Page & no,edition. No	link for quiz or poll	Completion Date	Assignmen t/Tutorial Date	AC's sign
7 Feb - 12 Feb	5	3	Error handling and Symbol Table management, Handling constants, literals, labels and Procedures					11/2/2022		
			One pass assembler design and comparison with two pass assembler design, Cross assembler.					14/2/202	2	34
			Macro language and macro processor					15/2/202		
			Macro instructions					16/2/2022	2	
14 Feb - 19 Feb	5		Features of macro facility					17/2/2022		
			Macro instruction arguments					18 2 2022		
			Conditional macro expansion			System Programming		21/2/2022		
		П	Macro call within macros, macros instructions defining macros			TATA McGRAW-HILL Edition - Chapter 4	Ç	22/2/2022		
			Implementation- A two pass algorithm			*		22/2/2022		
21 Feb - 26 Feb	5		Implementation- A single pass algorithm					23 2 2 2022		
			Implementation- Macro call within macros				Ç	24/2/2022		R
			Implementation within an assembler				ç	24 2 2022		1
			Assignment no-1					Jg. n	28 2/22	
			Basic Loader functions					31312022	1 1	
	7 Feb - 12 Feb 14 Feb - 19 Feb	7 Feb - 12 Feb 5 14 Feb - 5 21 Feb - 5	14 Feb - 12 Feb 5 14 Feb - 5 14 Feb - 5 17 Feb - 5 18 Feb 5	Week No. Of Lect. No. Exact Topic Name & Subtopic Inc. of the Action No. Exact Topic Name & Subtopic Inc. of the Action No. Exact Topic Name & Subtopic Inc. of the Action No. Inc	Week No. Of Lect. No. Exact Topic Name & Subtopic Indicate No. Factoring No. Of Lect. No. Exact Topic Name & Subtopic Indicate No. Indicate No. Indicate No. Indicate Indicate No. Indicate Ind	Week Rect. No. Of Lect. No. Of Lect. No. Of Lect. No. Discrete Problemane & Subtopic Not Wideo ID Not In Both No. Discrete Problemane & Subtopic Not Not Pour III No. Discrete Problemane Procedures One pass assembler design and comparison with two pass assembler design, Cross assembler. Macro language and macro processor Macro instructions Features of macro facility Macro instruction arguments Conditional macro expansion Macro call within macros, macros instructions defining macros Implementation- A two pass algorithm Implementation- A single pass algorithm Implementation- Macro call within macros Implementation within an assembler Assignment no-1	Week No. Of Lect. No. Fexact Topic Name & Subtopic me & Subtopic No. Fexact Topic Name & Subtopic No. Fexact Topic Name & Subtopic Na	Week No. Of Lect. Unit No. Exact Topic Name & Subtopic In Video ID Video ID Init Week No. Of Unit No. Exact Topic Name & Subtopic Video ID Video ID Video ID Video ID Chapter no. Page Cha	Week No. of Lect.	


WEEK No.	.∵Week∵	No. Of Lect.	Unit No.	Activity/ Refrencesons - Virtual lab. Exact Topic Name & Subtopic:e no.edition: No Teaching	Video ID	Activity/ Virtual lab Ilink Teaching	Refrence book - Chapter no. Page no, edition. No	link for quiz or poll	Completion Date	Assignmen t/Tutorial Date	AC's sign
				Interpreters					28/3/2022		
				Assignment no-2					. ' '	28/3/202	
				Unix Device Drivers: Definition					29/3/202	2	
				Anatomy and types					29/3/2022		
9	4 Apr-9	5		Device Programming					30/3/202		W
9	Apr		v	Installation and Incorporation of driver routines			Unix device drives by George Pajani, Pearson Education		30 3 202		708
				Basic device driver operation					1/4/2022		
	-	,		Implementation with Line printer					1/4/2022	¥	
	11 Apr-			Comparative study between device drivers for Unix and Windows.					41412022		
10	16 Apr	4		Case study of Intel®64 and IA-32 Processors - Basic architecture				į	5/4/2022)
				Notational conventions					5/4/2022		
				brief history of Intel® 64 and IA-32 Architecture				C	3412022		
				Intel NetBurst® Micro-architecture		- 1		7	412022		
11	18 Apr- 23 Apr			Specific advances Basic execution environment: Modes of			Intel®64 and IA-32	7	1412022		
			VI	Overview of the basic execution environment, memory organization		2.9	Architectures Software Developer's Manual Volume1:		(4)2020		
Faci	Ilty in	C harg	e	basic program execution registers, instruction pointer			Basic Architecture	77	14/2022		

WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link	Refrence Book - Chapter no. Page no,edition. No	link for quiz	Completio n Date	Assignment/T utorial Date	AC's sign	
\neg	Apr			Community cloud		The state of the s	- (- (- (- (- (- (- (- (- (- (Elelis			
				Cloud Architecture		John.Rittinghou se "Cloud		POTALA		15	2
11	17 A pr-	2		Revision		Computing " PDF from		1114/13			151

24Apr-29 Apr Sessional -II

Subject-Teacher S.Khamankar

S.Deote

ar

Control of the Contro

WI EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/T utorial Date	AC's
				Grid Computing				813/23		\
7	20 Mar-	4		Grid Computing models				8 13/23		
	24 Mar		IV	Protocols, Types of Grid	understanding the concept of			813123		
				Desktop Grid,cluster grid	grid computing by real time example of solar plant			1013123		
				HPC Grid,Data Grids				1413125	2 nd as plant	
				Message Passing Interface (MPI)]			151313	7	No.
8	27 Mar-1	5		Procedures, Arguments ,Data Types		"Grid Computing"		15131		
	Apr			Processes ,Platform independence	for massage massing at dans	Ahmar Abbas PDF from		16/3/23		03
			v	Error Handling	for message passing student will chat on whats appone	Internet		17/3/23		
_				Point-to-Point Communication	to one there will be message passing one to all there will			24/3/23		
				Collective Communication	be collective communication			27/3/23	3rd Assigna	
	3 Apr-			Platform independence				2813123	/	
	7Apr	5		Process Technologies			7	913123		
				Introduction of cloud computing		(al- pini		311313		
+			1	Characteristics, Benefits of cloud	plan to give them case	John.Rittinghou se "Cloud		114123		
				Cloud models	study on cloud	Computing " PDF from	•	अभाष्ट		
1 4	10 Apr-		VI S	Service models : IaaS, PaaS, SaaS		Internet		41413		
1	15 Anr	5		Public cloud, Private cloud, Hybrid cloud				514173		





1.3	VE K Wee	k No.	of ct.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/T utorial Date	AC's sign	
					Grid Computing				813/23		\	
7	20 Mar-	4			Grid Computing models				8 13/23			
•	24 Mar			IV	Protocols, Types of Grid	understanding the concept of			913123	7		
				1	Desktop Grid,cluster grid	grid computing by real time example of solar plant			1013123			
					HPC Grid,Data Grids				1413125	2 nd as plant		
					Message Passing Interface (MPI)				15/3/3	7	M	
8	27 Mar-1	5			Procedures, Arguments, Data Types		"Grid		15131			1
	Apr				Processes ,Platform independence	£	Computing" Ahmar Abbas PDF from		16/3/23		03/0	34
				v	Error Handling	for message passing student will chat on whats appone	Internet		17/3/23	4, 4,		
					Point-to-Point Communication	to one there will be message passing one to all there will			24/3/13			
				ŀ	Collective Communication	be collective communication			27/3/23 (3rd Assigna)	
•	3 Apr-]	Platform independence				2813123	/		
9	7Apr	5		1	Process Technologies			7	913123			
				I	ntroduction of cloud computing				311313			
_			-		Characteristics, Benefits of cloud	plan to give them case	ohn.Rittinghou se "Cloud	,	14 23			
				c	Cloud models	study on cloud	Computing " PDF from		श्रीभाष्ट्र			
	10		1	VI S	ervice models : IaaS, PaaS, SaaS		Internet	i	11413			
1	Apr-	5			Public cloud,Private cloud,Hybrid cloud				514173			





WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/T utorial Date	AC's sign	
3	18 Feb	5		Taken hand all 181	message			16/21/23			
				Token based algorithm				ibling			
				Lamports Algorithm				17/2/123			
	20			Ricart Aggrwala Algorithm				2012123		~	,
4	Feb- 24Feb	5		Suzuki Kasamis Algorithm	for understanding the			20/28		7	To
			ш	Raymond Tree based and Singhal herustics algorithm	concept of shared memory board consider as a shared	"Distributed Operating		2012123		> 10	1
				Distributed file systems, Design issues	memory and student allow to write anything on it like	system" M.A.Ansari chap 6	,	21/2/23			
5	27 Feb-	2		Distributed Shared Memory	message ,note etc.			212133			
	28 Feb	Z		Introduction to middleware technology			2	212123			
				1	Mar- 4 Mar ANANYA						
,				Design issues	•	Distributed system consept	2	31213			
	6 Mar			Implementation issues	CORBA is middelware and mostly used technology so		1	23/2/29			
6	-10 Mar	5	Ш	CORBA Case Study	giving the student middelware as a topic and		2	412123			
				RMI-Remote Method Invocation	study it and do anylysis why corba is popular		7	291213	>		
				CORBA services			2	17/213			
				AND AND AND AND AND AND AND AND AND AND	13 Mar- 18 Mar Sessional-I						





£ 2,



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE / 2022-2023

Date: 16/1/ 2023

LESSON & TEACHING PLAN for Distributed System & Grid Computing

				Depa	artment of Computer Engine	ering				
Facul	ty Nam	e: Prof. S	S.Khama	nkar	Sub: DSGC		Sec:	Year:	2022-2023	Sem:- VIII
WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/T utorial Date	AC's sign
	34,24174, 34248b			Motivation and goals Overview and advantages of DS	Plan to divide class into at least two group and		1	11213	Vor ossignt	
	30		_	Characteristics-Absence of global clock	announce a competition for most points on a practice test. Let them study a topic			412123		
1	Jan- 4 Jan	5	I	State (Local and Global), Possibility of large network delays	together and then give that quiz, after each round,let them study the next topic			412123 812123		
				Scalability, security, Resource manage	before quizzing again on online platform		-	8/2/23		
				Time and Global States-Introduction				912123		
				Clocks,Events and process states				101213		
2	6 Feb-	5		Synchronizing Physical clocks				101213		
	Feb			Logical time,Logical clocks	for understanding the			13/2/2	220	7
			п	Global states, Distributed debugging	concept of clock synchronizationforming the group of 5 student and			1412128		
-			1	Coordination, Agreement	setting the clock and dictacting the message to	4		14/2/18	5	
,	13 Feb-	_		Distributed mutual exclusion	each group and let them synchronise with that		00 f	15/2/23		



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLE OF ENGINEERING FOR WORD!N



Sharpening Engineering Acumen with a difference Lab Practicals Plan

	OEW/ Department of ETC 20 va Raut	DCFMU				Departme	nt: CE		
<u> </u>			BatchB 1			Batch B3			
Pi	Name of experiment	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark	
1	To study and verify the truth table of basic logic gates	26/8/2022	2219	-	5/9/2022	819	_		
2	To study and verify the truth table of Universal gates	2/9/2022	6/10	1	12/9/2022	819	•		
3	To study and verify the truth table of Half and Full adder circuit	9/9/2022	17/11		19/9/22	7/10			-
4	To study and verify the truth table of Half and Full subtractor circuit	16/9/22	24/11		26/9/22	7/10			
E	To study and verify the truth table of multiplexer and Demultimulexer circuit	23/9/22	1112		3/10/2022	25/11			
0 1	To study and verify the truth table of BCD to seven segment display	30/9/22	8/12		10/10/2022	25/11			
7	To study and verify the truth table of J-K Flip flop	7/10/2022	22/12	,	7/11/2022	2/12			
8 .	To study the architechture of Microprocessor 8085.	4/11/2022	23/12		14/11/2022	22/12			

Sub. Teacher



Ac





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/ CE/ 22-23

Date: 22/08/2022

LESSON & TEACHING PLAN for DCFM

				Department of	f Computer E	ngineering				
Facu	lty Name: Asst.	Prof.	A.K	Tripathi	Yea	r: 2022-23	Sem:-	Subject Cod	e: BECMEC302T	,
WEE K No.	Week	No. Of Lect	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/Tu torial Date	AC's sign
1	22 Aug-26 Aug 22	5		Skill Development Workshop						
2	29 Aug-03 Sept 22	6		Introduction, Syllabus Discussion, Number System, Boolean Algebra,		1.Morris Mano : "An approach to		64-09 -22		
3	05 Sept- 09 Sept 22	5	1	Logic Gates and their truth tables, D Morgan's Laws, k-map representation (SOP & POS forms).		digital Design", Pearson Publications. 2.R. P. Jain:		12-09-2	2	
4	12 Sept- 17 Sept 22	6		Minimization of logical functions for min-terms and maxterms (upto 5 variables), Arithmetic Circuits,		"Modern digital electronics" , TMH Publications		13-09-22		





			1			
5	19 Sept- 23 Sept 22	5	2	Adders and their use as substractor, ALU, Digital Comparator, Parity generators/checkers. BCD - to - 7 segment decoder, Code converters.	1.Morris Mano: "An approach to digital Design", Pearson Publications.	21-09 -22
6	26 Sept - 01 Oct 22	6		Multiplexers and their use in combinational logic designs, multiplexer trees, Demultiplexers, Encoders & Decoders.	2.R. P. Jain: "Modern digital electronics", TMH Publications	2409
7	03 Oct - 07 Oct 22	5		1 Bit Memory Cell, Clocked SR, JK, MS J-K flip flop, D and T flip-flops. Use of preset and clear terminals.	1.Morris Mano : "An approach to digital Design", Pearson	03-10 -22
8	10 Oct - 12 Oct 22	6	3	Excitation Table for flip flops, Conversion of flip flops, Registers, Shift registers.	Publications. 2.R. P. Jain: "Modern digital electronics", TMH Publications	11-10 - 22
9	13 Oct - 20 Oct			SESSIONAL EXAM - I		
10	24 Oct - 29 Oct 22			DIWALI VACATION		
11	31 Oct - 05 Nov 22	6		Counters (ring counters, twisted ring counters).		02-11-22
12	07 Nov. 11 Nov. 22	E	3	Sequence Generators, ripple counters, up/down counters.	1.Morris Mano : "An approach to digital Design", Pearson Publications.	09-11-22





13	U / 130V - 11 130V 22	3		Synchronous counters, lock out, clock skew	2.R. P. Jain: "Modern digital electronics", TMH Publications	16-11-22		
14	14 Nov - 19 Nov 22	6	4	Classification & characteristics of memory RAM, ROM, EPROM, EEPROM, SRAM, DRAM, expanding memory size,Syncronous DRAM, SDRAM	"An approach to digital Design", Pearson Publications. 2.R. P. Jain:	17-17-22	,	
15	21 Nov - 25 Nov 22	5		SRAM, DDR,QDR SRAM, PLD, PAL, PLA, Designing combinational circuits using PLDs	"Modern digital electronics", TMH Publications	03-12- 22		
16	28 Nov - 03 Dec 22	6	5	Introduction to Intel's 8085, Architecture-description, Pin description.Addressing Modes. 8085 instruction set.	Ramesh Gaonkar : " Microprocessor Architecture,	13-12-22		
17	05 Dec - 09 Dec 22	5	3	Concept of assembly language programming, Interrupts.	Programming and Applications with the 8085", Penram International Publications.	22-12-22		
18	15 Dec - 23 Dec 22			SESSIONAL EXAM - II				

Prof.A.K.Tripathi (Faculty InCharge)







Maharshi Pro Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Shapening Engineering Acumen with a difference



CCOEW/CE / 2022-2023

Date: 20/08/2022

LESSON & TEACHING PLAN FOR :- INTRODUCTION TO COMPUTER NETWORKS

				Department of							
Facu	Ity Name: F	Prof. Sha	ırayu	Deote		s	ub: ICN		Year:	2022-2023	Sem:- III
WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/Tu torial Date	AC's sign
				Introduction to Data Communication And Computer Networks		650061		*			
				Cefinitaion, Characteristics Compnents			The complete				
1	29Aug To 3 Sep	5		Data Representation,			reference fourth edition by herb	(
				Types of Data flow			Schildt, 6-65	\	a zl		
			ı	Need of Computer Networks, advantages & Disadvantages.					03/00		
			•	Goals & Application of Computer Network							
				Network Hardware Components							
2	5 Sep To 9 Sep	5		Computer Network Criteria Physical Structure							
				Type of Network					1 0°		
				Classification of Local Area network			The complete reference fourth				
				Layered Model			edition by herb Schildt, 96-147				

Kingner 441111

HOD Dr. Milli
Maharsh Karri

WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/Tu torial Date	AC's sign
				Protocol Hierarchies							
3	12 Sep To 17 Sep	5		Network Model					-		
				Design issues for the Layers							
				Interfaces and Services					It se	Pr	
				Service Primitives							
				Connection Oriented & Connectionless types of services							
4	19 Sep To 24Sep	5	II	OSI Reference Model & architecutre						124709	
	24Sep			TCP / IP Reference model					25/04	,	
				Types of addressing			Object-oriented programming with C++ by				
				Physical Layer Types of Signals			E.Balagurusamy, 2nd Edition, TMH.				
				Transmission Mode							
5	26 Sep To 1 Oct	3		Transmission Impairment							
				Data rate Limits, Performance							
				Digital Convesion Line coding techniques					0//00	oto	
				Transmission Media							
	3 Oct To			Swotcjomg Techniques							
Fac	ulty in C	Chargo	e	Maryer Street	Dr M	illind Khanapurkar Principal Pres Stree Shikshan Sanetha's lage of Engineering for Women opa, Nagpor-44118.	HOD				

WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video 1D	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/Tu torial Date	AC's sign
0	8 Oct	•		Data Link Laer Introduction to MAC & LLC sub layers							
				Framing metods, Error detction & correction methods			Object-oriented programming with C++ by		to oct	•	
			Ш	LLC sub layer Protocols for Noise & Noiseless channels			E.Balagurusamy, 2nd Edition, TMH.				
_	10 Oct To			MAC layer multiple access Protocols							M 1
7	15 Oct	4		Channelization							7
				Introducton to Virtual Lan					1500	7	
				Ses	sional -I					ς	
				IPv4 Addressign method							
				Routing algorithm							
8	31 Oct To 5 Nov	5	III	Address Mapping protocols					ate	\	m
				ICMP protocol					07 N.	•	1 32
				Subnet & Subnet Masking Techniques for classful addres							
				Transport Layer Elements of Transport Protocols							
	7 Nov To			Addressing technique						./ .	
9	12 Nov	4		Connection Oriented Service					12 N	·	
Fac	ulty in C	harge	2	Winger of English State of Sta	Dr. Milind Khanapurki Principal ursh Karve Stree Shikshan Sa nins College of Engineering for Kingna, Nagpur-441118.	ar nethra Nonen	HOD				

WE EK No.	Week	No. Of Lett.	Unit No.	Exact Topic Name & Subtopie	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no, Page no edition. No	link for quiz or poll	Completio n Date	Assignment/Tu torial Date	AC's sign
				Top protocol and header format						•	
			IV	TCP checksum calculation							
				TCP transmission Policy					21 M	24	
10	14 Nov To 19 Nov	5		UDP protocol and header format							
				UDP checksum calculation			Object-oriented				
				SCTP protocol			programming with C++ by E.Balagurusamy,				
				Only parameters			2nd Edition, TMH.		28 N	67	
11	21 Nov To 26 Nov	3		Congestion control methods							
				Traffic Shaping algorithms							>
				Sessing and Presentation Layer Session Layer Desingn is							
				Responsibilities of Presentation layer							
12	28 Nov To 3 Dec	5		Application Layer and Network Security					05-7)al	ope
	Dec		٧	Responsibilities of Application Layer							
				Application Layer							
				DNS Email							
		. '		Charge of troping	k	milind					

Faculty in Charge



HOD

WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video ID	Virtual lab	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignment/Tu torial Date	AC's sign
13	4 Dec To 10 Dec	5		Architucture of WWW & HTTP Introduction to Cryptography Security Services Introduciton to Symmetric & Asymmetric Key Cryptography Digital Signature					12 Jes		
				Sess	ional -II						



Dr. Milind Khanapurkar Principal Maharsh Karve Stree Shikshan Sanetha Junning Collago of Engineering for Moulings, Napou-48110.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS / 22-23

Date: 22/08/2022

LESSON & TEACHING PLAN for 3CE - Theory of Computation **Department of Computer Engineering** Year: 2022-23 Sem:- V Faculty Name: Prof. Shailesh Sahu Sub: Theory of Computation Activity/ Virtual Refrence Book -Completion Assignment/T No. Of Video WEEK Unit AC's sign link for quiz or poll **Exact Topic Name & Subtopic** PPt ID lab link Teaching Chapter no. Page Week Date utorial Date No. Lect. No. Aid no, edition. No Introduction to Theory of Automaton, Introduction to Automata Theory, Strings, Alphabet, Language, (set Theory) Languages, and Chomsky hierarchy of languages. FA CE ppt Computation 3rd 29/08 to 01 Edition, by John E. 03/09 Finite state machine definitions, Hopcroft and J. Finite automation model. Acceptance Ullman Page No. 35 to 45 of strings and language NFA CE pp (Examples) 05/09 to Non deterministic finite automation. 3 2 t 02 08/09 Introduction to (Examples) Design of Automation Automata Theory. FSM CE pp Deterministic finite automation. 12/09 to polos 3 Languages, and 17/09 Design of Automation t 03 Computation 3rd Equivalence between NFA and DFA Edition, by John E. (Uisng 2D Arrays) 20109 Hopcroft and J. Ullman Page No. 60 19/09 to MO_CE_ppt_0 Conversion of NFA into DFA, NFA 4 3 to 77 23/09 with e-moves and e-closure with examples. Conversion of NFA with e-moves to Introduction to (set Theory) without e-moves 26/09 to Automata Theory. 5 3 RE_CE_ppt_ 01/10 Minimization of FSM. Equivalence Languages, and Computation 3rd between two FSM'S. Edition, by John E. Moore and Mealy machines Hopcroft and J. 03/10 to Interconversion between Moore and REFA_CE_p Ullman Page No. 3 07/10 12/10 79 to 105 Mealy machines. pt_06





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
7					Ses	siona	I - I (13 Octo	to 20 Octo 20	21)			W. A
8	31/10 to 05/11	3		Introduction to Regular languages and Regular expression.Regular set, Regular Expression,Regular languages smaple examples. Converstion from RE to RG.Regular expression examples. Equivalence.	RG_CE_ppt _08			Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hoperoft and J. Ullman Page No.105 to 154		2/11/2		
9	07/11 to 11/11	3	III	Inter Conversion between Regular Expression and FA. Converstion from RE to RG. Introduction to CFG and derivation Trees. Left Derivation Tree and Right Derivation Tree.	CFG_CE_pp t_09		(using data structure STACK)	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 157 to 175		M/11/25	Man de	mero
10	14/11 to 19/11	3	1V	CFG minimization (Reduction to CFG) Chomsky normal form. CNF, Greibach normal form. GNF	PDA_CE_pp t_10		(using data structure STACK)	Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 175 to 200, Page No. 200 to 235		13/11/20		
11	21/11 to 25/11	3		Push Down Automaton Definition and model. Implementation of PDA.	TM_CE_ppt _11			Introduction to Automata Theory, Languages, and Computation 3rd		25/1/25		
12	28/11 to 03/12	3	400	Introduction to Turing Machine. Definition and Model of TM. Types and Design of TM.				Edition, by John E. Hopcroft and J. Ullman Page No. 234 to 380		6) Kt 2		
13	05/12 to 09/12	3		Decidability and Undecidability of problems, Properties of recursive & recursively enumerable languages. Post Correspondence problem and Ackerman function.				Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 287 to 337		09/12/2	Brown	eul
14				A CONTRACTOR OF THE CONTRACTOR	S	essio	nal II (1 Dec	to 8 Dec 2021	1)	1 4 4 1	1000 NS 70	







Maharsh Karve Stree Shikshan Samstra's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOE	W/CE / 2022	2-2023				mu a a		20/08/2022	FOR WOME	N, NAGPIAR
				LESSON & TEACHING PLAN						
				Department of	Computer Engi	neering	T			
Faculty	/ Name: Pro	f. P. Gangv	vani		S	ub: OOP	Sec:	Year : 2022	2-2023	Sem:- III
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment Date	AC's sign
				Introduction: Taxonomy and history of Computer Programming				29/8/22	-	
				Program Execution basics		The complete		3018/22)
1	Aug 29 - Sep 3	4		Problem solving and programming strategies		reference fourth edition by herb		19122		/
				Programming paradigms. Algorithm and flowchart design		Schildt, 6-65		3/9/22		
			I	Principles of Structured programming				5/9/22		<i>8</i> 0.
				C Language Fundamentals: Loop control statements		3		719122		35
	Son E. S.			Arrays One dimensional & Two-dimensional array		<i>)</i>		8/9/22		
2	Sep 5 - Sep 9	5		Functions – Definition, call, prototypes (194 ec)				12 9 22		
	•			functions - block structure, external variables (200)		Kindind		1219122		
				Wagna, Magani Ma		Dr. Millind Khanapurka Principal Mahash Kare Stre Shikshan Sa Lumins Collego d Engineering for Kingsa, Nagyor-44118.	f nethals Roaren	*****		,

						<u> </u>				
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment Date	AC's sign
				Unions				2919122	`	
				Discussion on university Questions				3/10/22		
				Principles of Object Oriented Programming: Object Oriented Programming Paradigm				3/10/22	/	
	3 Oct - 8	4		Basic Concepts of Object Oriented Programming				6/10/22		
6	Oct	4		Benefits of Object Oriented Programming		Object-oriented programming		6/10/22		
			ш	Object Oriented Languages		with C++ by E.Balagurusamy,		10/10/22		
				Applications of Object Oriented Programming	5	2nd Edition, TMF Chapter 3		10/10/22	-	
	10 Oct - 15	4		C++ Basics: Tokens, Keywords 4th	,			10/10/53)	
7	Oct	4		Identifiers and Constants				14/11/22	2	\
				Data Types, Type Compatibility				14/11/23)	
				S	essional -I					
				Variables, Operators in C++		Object-oriented		15/11/22)	
				Implicit Conversions		programming with C++ by		15/11/22	<u>></u>	AN
8	31 Oct - 5 Nov	5	ш	Operator Overloading		E.Balagurusamy		16/11/23	2	7 975
	,			Operator Precedence		Chapter 3		16/11/22	2	
1		ı	ı	Mospera 2 mg per 441114 mg		Dr. Millind Khanapurkar Principal Maharah Karvi Stres Shishana Sanetha's Cumins College of Engineering for Women Ninga, Nappor-41115.				

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment Date	AC's sign
				Control Structures				17/11/22		
				Functions in C++ : The Main Function				23/11/22		
9	7 Nov - 12	4		Function Prototyping, Call by Reference, Return by Reference				94/11/22		
,	Nov			Inline Functions, Friend Functions				25/11/22		1
				Classes & Objects: Specifying a class, Member Functions		Object-oriented programming		28/11/22		1
			IV	Arrays within a class		with C++ by E.Balagurusamy, 2nd Edition, TMH		30/11/22		
				Static Member Functions, Arrays of Objects		Chapter 4,5,6		1 12 22		
10	14 Nov - 19 Nov	5		Constructors, Parameterized Constructors				1/12/22	-	
				Copy Constructors, Dynamic Constructors				2/12/22		
				Destructors				3 112 122		
			9	Polymorphism: Operator Overloading				3/12/22) al
11	21 Nov - 26 Nov	3		Overloading Operators, Rules for Overloading Operators				5/12/22		2
				Type Conversions				12/12/22		
L			1	Marie of Figure 1111 11 2 2		Dr. Milled Khanapurkar Procipal Mateus Kore Stru Shakasa Saretha's "unning Citigo of Copiereng for Monen mayor, Nagon 4470.		,		J . 1

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment Date	AC's sign
				Function Overloading Virtual Functions				12 12 22		
12	28 Nov - 3 Dec	5	v	Inheritance: Derived Classes, Single multilevel, multiple inheritance		Object-oriented programming with C++ by E.Balagurusamy, 2nd Edition, TMH		15 12 22		
				Abstract Classes Virtual and pure virtual functions Pointers in C++: Pointers to Objects		Chapter 7,8,9		16/12/22 20/12/22 21/12/22		
13	4 Dec - 10 Dec	5		this pointer Pointer to Derived Classes				21/12/20		
				Exception handling Sess	ional -II			23 22	- J	











Maharshi Warve Stree Shikshan Samsti 's Educating Women for CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE/ 2022-2023

Lab Practicals Plan

-			Depar	tment of	Computer En	ngineering					
Pr	of. Pinky Gangwani	Object Ori	ented Progra	mming	Ye	ar: 2022-23	3		Sem:- III		
T			Batch B1			Batch B2			Batch B3		
S	Name of experiment	Planned Date	Perform Date	No. of Viva done and link for viva question	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
	Coding Practice (Basic programs)	2/9/2022	2 9 22		1/9/2022	1/9/22		1/9/2022 - 2/9/2022	1922-		
1	Write a program in C to implement for loop, while loop and do-while loop	16/9/2022	2 9 22		22/9/2022	1 9 22		7/9/2022	7/9/22		
2	Write a program in C to implement 1- D and 2-D Array	23/9/2022	9/9/22		29/9/2022	22/9/22		21/9/2022	21/9/22		M.
3	Write a program in C to implement function and recursion	7/10/2022	16/9/22		6/10/2022	29/9/2	2	28/9/2022	9111/22		
4	Write a program in C to demonstrate structures and pointers	14/10/2022	23/9/22		13/10/2022	6/10/23	2	12/10/2022	16/11/22		
5	Write a program in C++ to implement suncept of class and object	4/11/2022	13/11/22		3/11/2022	Townson States		2/11/2022	23/11/22		
	Write a program in C++ to implement of structure & destructor	11/11/2022	13/11/22		10/11/2022	24m/2	2	9/11/2022	23/11/22		

Hingma,

Nogper-441118

Dr. Millind Khanapurkar Principal Maharsh Karve Stree Shikshan Sanetha's Tunneles College of Enjohering for Worken Hingna, Nappur-41118.



Maharshi arve Stree Shikshan Samsta's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accomen with a difference



CCOEW/CE/ 2022-2023

Lab Practicals Plan

			L	ub Fiu	cticuis F	uli					
			Depar	tment of	Computer En	gineering		,			
Pro	of. Pinky Gangwani	Object Ori	ented Progra	mming	Yea	ar : 2022-2	3		Sem:- III		
			Batch B1			Batch B2			Batch B3		47
Pi	Name of experiment	Planned Date	Perform Date	No. of Viva done and link for viva question	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
7	Write a program in C++ to implement the concept of operator overloading	18/11/2022	25/11/25		17/11/2022	1/12/22		16/11/2022	30/11/22		
8	Write a program in C++ to implement the concept of inheritance	25/11/2022	2/12/22	-	24/11/2022	15 12 22		23/11/2022	7/12/22		(3)
9	Write a program in C++ to implement the concept of polymorphism	2/12/2022	9/12/22		1/12/2022	22/12/22)	30/11/2022	14/12/22		











Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Shapening Engineering Acases will additioned



CCOEW/AS / 22-23

LESSON & TEACHING PLAN for 3CE - Theory of Computation

Date: 08/08/2022

		- 1 11 -			Depa	rtment of	Computer Engineeri	ing				
aculty	Name: Prof	. Shailesh :	Sahu				Sub: Java Programn	ning		Year:	2022-23	Sem:- V
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quíz or poll	Completion Date	Assignment/T utorial Date	AC's sign
1	08/08 to	3		Java Basics: Review of Object Oriented concepts, History of Java.		Management is a control and a second		No modernment of the particular of the particula		08/08		
	12/08			JVM architecture, Data Types								
and the same of th	W-044			Variables, Scope and life time of variables		And construction of the state o		The Complete Reference JAVA 7th		12106		
_	17/08 to		Ι	Arrays, Operators				edition by Herbert	Scripture in the selection with the second control of the second c	1266		-
2	20/08	3		Control statements				Schildt Pg. No 3 to 74				
-	-			Simple java Programs				,,,		20108		
3	22/08 to 26/08	3		Static block, Static Data, Static Method						22/08		
	20/03			String Handling and String Buffer Classes.						26108		
4	29/08 to	3		Object & Class: Object Oriented Programmign, Class Fundamentals		Control and September 1997				29108		
	03/09	3		Object and Object reference, Object Life tiem & Garbage Collectoion		office on comment of the comment of		The Complete Reference JAVA 7th		0369	D Denimer	191
	ĺ			Creating and Operating Objects				edition by Herbert Schildt Pg. No 105 to		-	to will be con	-
5	03/09 to 09/09	3		Constructor & Initialization code block		The second secon		155		0000		
	10.00			Access Control Modifiers		To the second		free 2				-
5	12/09 to 16/09	3		Methods, Inner Class and Anonymous Classes.				Section 2015		16103		

Galleye of English Hingha, Hogger-441118

Dr. Millind Khanapurkar Principal Mahash Kare Stra Shishan Sanethal Jumins Collego d'Espineering for Wone

Faculty in Charge

Q						ID	lab link Teaching Aid	Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
for dealer or continue	26/09 to 01/10	3		Inheritance and Polymorphism: Basic Concepts Types of Inheritance Member access rules						25/9		
0	03/10 to 07/10	3	ш	Usage of this and super keyword Method Overloading Method Overrriding				The Complete Reference JAVA 7th edition by Herbert		od po		
10	10/10 to 15/10	3		Abstract classes, Dynamic Method Dispatch, Usage of final Keyword. Packages and interfaces: Defining package, Access Protection, Importing packages Defing and implementing interfaces, and extending interfaces.				Schildt Pg. No 157 to 202		19/10	Assignment 2	st g
1 1	17/10 to 22/10	3		Input and Output and File Handling: concepts of streams, Stream classes- Byte and character stream Reading console input and writing				The Complete		31/10	*	
	31/10 to 05/11	3	IV	console output wrapper classes File handling		Control of the Contro		Reference JAVA 7th edition by Herbert Schildt Pg. No 205		02/11		
14 :	07/11 to 11/11	3		Exception handling: Exception types, Usage of Try, Catch, Throw, throws and Finally keywords.		do as un propositio de constitución de constit		to 222		11/20		
	- 1/11			Built in Eception, Creating own Exception classes.					A Company of the Comp	11/11		(1)
	14/11 to 19/11	3	v	MultiThreading: Concepts of Thread, Thread life cycle, crating Thread using Thread class and Runnalble interface.	ſ.	steye of ingline		The Complete Reference JAVA 7th edition by Herbert Schildt Pg. No	Knidingh	19/1	(3) Assi And	1
	21/11 to 21/11	3		Synchronization, Thread Priorities, Inter Thread Communication.	Comming	Hingma, Nogper-441118		223 to 254	Dr. Millind Khanapurkar Principal Maharsh Karve Stree Shikshan Sanetha's Junning College of Engineering for Mosen	21111	10	e de la companya de l



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



	 	_	_	
-				
Cummins				
TOLEGE OF THE PROPERTY				

Lab Practicals Plan

cc	OEW/ Department of Computer Engineering		2022-23											
Pr	of. Supriya Gupta	Database N	1anagement	System		DBMS	3		DBMS			DBMS		
L						BatchB	1	E	BatchB 2			BatchB 3		
Pi	Name of experiment	Lab ID	Possible variations used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva	Planned Date	Perform Date	No. of Viva done and link	Planned Date	Perform Date	No. of Viva done	AC Remarks
1	To study of DBMS and RDBMS, 2. To study DDL and DML				08-08-22	8/8	101 1144	10/8/22 08-10-22	10/8	and link	08-09-22	2318	and link	
	Study of select command with different clauses including group by and order by and date clause.				22/8/22	22/9		17/8/22	1718		16/8/22	30/6		
	Study of SINGLE Row functions (character, numeric, Data functions).				29/8/22	2918		24/8/22	2418		23/8/22	6/9		
	To study SQL Aggregate Functions (count, sum, min, max)				09-05-22	5/9		09-07-22	7 9		30/8/22	13/9		
5	To implement various types of SET OPERATORS (UNION , INTERSECT, MINUS) On banking application				09-12-22	12/9		14/9/22	28/9		09-06-22	27/9		
- 1	Study and implementation all join Operators				19/9/22	26/9		21/9/22	12/10		13/9/22	4/10		
	Prepare, E-R diagram, normalized database for given application				26/9/22	3/10		28/9/22	19/10		20/9/22	11/10		
8	study with clause & create view, indices				10-03-22	10/10		10-12-22	1 (/10		27/9/22	18/10		
9 1	L/SQL programs				10-10-22	17/10		19/10/22			10-04-22	10/10		
10	application development (Database Connectivity)				17/10/2022			11-02-22			10-11-22			
Γ														

Supriya Gupta

Prof. S. Deote



Dr. Milind Khanapurkar Principal Maharsh Karre Stree Shikshan Sanetha's 'Junnias Celliga of Egyheening for Booken Nigas, Asppr. 441119



Mahars Karve Stree Shikshan San ha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE / 22-23

Date: 1/ 8 / 2022

LESSON & TEACHING PLAN for Computer Graphics

					Departme	nt of Comput	ter Engine	ring					
Facul	ty Name: Pr	rof. Ab	hilas	ha Borkar				Sub: Compu	ter Graphics	Sec	Year :	2022-23	Sem:- V
WEER No.	Week	No. Of Lect	Un No	Fyart Tonic Namo & Subtonic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
					Skill Devel	opment(1/8/	/22 to 6/8/	(22)					
					CE5CGW01D10820L01						813		
				Geometry and line generation: points, lines, planes, pixels,frame	CE5CGW01D11820L02	CG_ppt_0		animated			912		
1	8 Aug -12 Aug	5		buffers, types of display	CE5CGW01D12820L03	1		video should be			1718		
				c	CE5CGW01D13820L04	CG_ppt_0		shown	Procedural elements for		1818		
					CE5CGW01D14820L05	2			computer graphics by		2218		
,		I		CE5CGW01D17820L06		-		David F. Rogers,		2318	The state of the s		
				1 F	CE5CGW01D18820L07	CG_ppt_0			Mc-Graw Hill. Pg.No.		2318	Assiynmat.	
2	17 Aug -20	6	,	Bresenham's algorithms for line generation, Bresenham's algorithm	CE5CGW01D19820L08			focus on	6,7,8,66,70,74,75, 79,88,142-151		2418	2518.	
	Aug	0		for circle	CE5CGW01D20820L09			numerical			2918	-	
The state of the s					CE5CGW01D21820L10	CG_ppt_0 4					398		
- Anna Carachaman					CE5CGW01D22820L11						319		
-					CE5CGW01D24820L12						319		
					CE5CGW01D25820L13			shape	Ì		511		
3 3	2 Aug -26	4	ı	Bresenham's algorithm for circle	CE5CGW01D26820L14			related	Ì		619		
	Aug	- 4	1	ganaration	CE5CGW01D27820L15			algorithm should be			3519		
acul	ty in Ch	arg	9	College of Indian	CE5CGW01D28820L16	Konlind		solved Procedural HOD elements for		5/1			
-		,	,	8 Hogper-441118	Mah. Sun	Dr. Millind, Khan apurk tr. Principal vsh: Karve Stree Shikshan Sanetha nins College of Engineering for Wome Hingna, Nagpur-441118.	2	'	L				

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Opic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	no,edition. No	or poli	Completi on Date	Assignment /Tutorial Date	AC's sign	1
		-			CE5CGW01D29820L17				computer graphics by David F.		719			-
					CE5CGW01D31820L18				Rogers, Mc-Graw Hill.Pg. No. 3,137		819	819/22		\forall
					CE5CGW01D01920L19			task to find out all the	142,115,118,121,,		12/9			1
4	29 Aug -	6	п	Graphics primitives: Display files, algorithms for polygon generation	CE5CGW01D02920L20			names of	126,131,133,		13)9			1
	3Sep			polygon filling algorithms:	CE5CGW01D03920L21			inventors who invent			26 9		tool	
					CE5CGW01D04920L22			theses algorithm			2719		1	Z
					CE5CGW01D05920L23						2719		1/	
					CE5CGW01D07920L24						28/1		- 0	ľ
					CE5CGW01D08920L25						29/1			ľ
5	5 sept-9	5	п	Simple ordered Edge list, Edge fill, Fence fill, Edge flag, Seed fill,	CE5CGW01D09920L26			solving			310	ASSIMON	w	
	Sept				CE5CGW01D10920L27			numericals	Procedural elements for		4/12	No.9	1	-
					CE5CGW01D11920L28			erestrolage appropriate and the second appropria	computer graphics by		5110)	-
					CE5CGW01D12920L29				David F. Rogers Pg.No.		10/10			
The second second				NDCoperations on segments,data	CE5CGW01D14920L30				63,175,177,181,18		10/10			
6 1	2 Sept-16	5	ш	-	CE5CGW01D17920L31			solving	7,192,196,253		11/10			
	Sep			files, window, viewport, viewing	CE5CGW01D18920L32	. '	1	numericals	-	1	11/10			
				transformations,	CE5CGW01D19920L33				-		8)10			
7 1	7 Sept-23 Sep					Ses	ssional I				0110		7	
and the same					CE5CGW01D28920L34						4111	T		
Lettersteading				Cohen-Sutherland, Cyrus-Beck	CE5CGW01D29920L35				-		9/11	1	7-1	
8	26 Sept-1 Oct	5	ш		CE5CGW01D30920L36			solving	-				+-	
				clipping(Sutherland- Hodgeman)scaling,	CE5CGW01D011020L37		n	numericals	}-		5/11		$\overline{}$	
acul	ty in Ch	arge	'	Hopes, 44 1111 2	Maharah Kara	nd Khanapurkar Principal Stree Snikshan Sanetha's go of Engowering for Mosem a, Nagor-41118.		HOD			13/11			

WEEK No.	Week	No. Of Lect.	Unit No.	Evact Tonic Name o c. L.	Topic ID	PPt ID	Video ID	Activity Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz	Completi on Date	Assignment /Tutorial Date	AC's sign
			ļ		CE5CGW01D031020L38			reaching	The commence		15 11	Date	
					CE5CGW01D051020L39				Computer Graphics by Udit		26))		+
					CE5CGW01D061020L40				Agrawal				
9	3 oct-7 oct	5	IV	2D transformation: scaling,rotation,Translation,Rotati	CE5CGW01D071020L41						16)1)		
8				on,Reflection,Shearing	CE5CGW01D081020L42						16)11		 /
					CE5CGW01D091020L43						17/1)		
					CE5CGW01D101020L44						1711)		
					CE5CGW01D121020L45						17111		
					CE5CGW01D131020L46						2111)		
10	10 oct-15	6	IV	3D Graphics:3D Transformation, parallel, perspective and isometric	CE5CGW01D141020L47			numerical			21111		
	oct		•	projections	CE5CGW01D151020L48			practice	ъ .		21 111	1819nm	
					CE5CGW01D161020L49				Procedural elements for		24/11	No.8	
		L			CE5CGW01D171020L50				computer graphics by David F.		24111		De
-					CE5CGW01D191020L51				Rogers, Mc-Graw Hill.Pg.no.				29
				Hidden surfaces and line removal:	CE5CGW01D201020L52				375,343,474,476,48		941.		
11	17 oct-21 oct	5	\mathbf{v}	Painter's, Z-buffer, Warnock's,	CE5CGW01D211020L53						24111		
				Back-face Removal algorithm	CE5CGW01D221020L54				}		2711		
				F	CE5CGW01D231020L55				}		27/11		
12	24 Oct-28 (Oct	Ī				Diwali Va	agation			27111	/	-
			Ī		CE5CGW01D261020L57		Diwaii Va	- Ication					
				F	CE5CGW01D271020L58						28/11		
13	29 Oct -5 Nov	هـ	v	Curves and surfaces: Methods of	CE5CGW01D281020L59				-		23/11		
Facul	ty in Ch	arge		·	CE5CGW01D291020L60	Hingma,			۵	combina	2211	0	
'		o c	ı		255CG W01D291020L60	Nogper-441118		HOD	Dy. Mahanihi Summas	Milind Khanapurkar Principal Karve Stires Shikshan Sanetha's college of Engineering for Women tinons Napour-441118			

WEEK No.	Week	No. Of Lect.	No	Exact Topic Name & Subtopic	lopic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	rence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign						
1	-				CE5CGW01D311020L61				Procedural		29 1m	1							
	,				CE5CGW01D291020L62				elements for		K3 174								
14	07 NOV -11 NOV	4		Surface rendering Method:- Gouraurd Shading,Phone Shading	CE5CGW01D311020L63			numerical practice	computer graphics by David F. Rogers, Mc-Graw		21)1)								
				Godfadid Shading, Flione Shading	CE5CGW01D291020L64				Hill. Pg.No.		2111								
			37	v	CE5CGW01D311020L65				609,611,623,624,62 7,645										
15	14 NOV -19 NOV		v	Constant Intensity Shading	CE5CGW01D311020L66				7,645		श्री।।	5	900						
16	21 NOV - 25 NOV			Constant Intensity Shading,Fast Shading	CE5CGW01D311020L67						29/11		03/12						
17	28 NOV - 3 Dec					s	essional II		J		Sessional II								

Sub-Teacher (PSO P. A.T. BORNEY)

Ac



Dr. Millind Khanapurkar Principal Mahash Kare Stree Shishan Sanethi's Junnies College of Expineering for Women Hopps, Nappur-49110.





Naharshi Karve Si IS COLLEGE OF

tilksh Somethors
INEFRING FOR WO



CCOEW/CE/ 2022-2023

Date: 2

22

LESSON & TEACHING PLAN for Artificial Intelligence

				Depa	artment of Com	nputer Engineering				
Facul	ty Name: Pro	of. Sakshi I	Khaman	kar .	Sub:Artificial	Intelliegence .		Year: 1	2022-2023	Ser V
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				Introduction - Definition - Future of Artificial Intelligence	Given task to	S. Russel, P. Norvig, "Artificial		818/22		
1	8Aug - 5 12Aug 5	5		Characteristics of Intelligent Agents	students find and make small application of	Intelligence - À Modern Approach", Third Edition, Pearson Education,	,	9 181 22		
				Typical Intelligent Agents	AI	2015.		1018122		> De
			Problem Solving Approach to Typical AI problems. Given	Given task to	S. Russel, P. Norvig, "Artificial Intelligence - A		17-18/22			
2	16 Aug- 20 Aug 5	5	II	Problem solving Methods - Search Strategies -	methods for search	Modern Approach", Third Edition, Pearson Education,		1818/22		
				Uninformed - Informed - Heuristics		2015.		19/8/22)
	22 Aug- 26 Aug	4		Local Search Algorithms and Optimization Problems				22/8/22		1 DK





WEEN	Week	No. at	Unit No.	Exact Topic Name & Subtopic	/ a ivity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	fin iiz or	c poll Completion	Assignment torial D	's si g n	
5			11		Given task to find various methods for	S. Russel, P. Norvig. "Artificial Intelligence — A Modern Approach", Third		2318/22			
	29 Aug- 3	5	11	Searching with Partial Observations	search algorithm	Edition, Pearson Education, 2015.		219/22			
4	Sept	3		Backtracking Search				18/9/22) 91	
			II	Performance of search algorithms.		Kevin Night, Elaine Rich, Nair B.,		12/4/2			
5	sept	. 5		First Order Predicate Logic	Given me	"Artificial Intelligence (SIE)", Third Edition,		28/3/12		7	
			III	Unification - Forward Chaining	Given more examples on predicate	McGraw Hill, 2017.		27/9/22			
6		5	111	Backward Chaining ,Resolution – Knowledge Representation using First order Predicate logic	logic	Kevin Night, Elaine Rich, Nair B., "Artificial Intelligence (SIE)"		29/0922		9	
7				Session	al - I (17th	Sept 2022- 2	23rd Sept 2	2022)			
X I	26 Sept-	5	Ш	First order Predicate logic - Reasoning Systems.	Open up Questioning	Kevin Night, Elaine Rich, Nair B., "Artificial Intelligence (SIE)"		3/10/22 4/10/22 6/10/22		7	
				Planning with state-space search	_	Kevin Night, Flaine Rich,		H1d22		\ 92x	
9	30ct - 7	5	IV p	IV p	partial-order planning		Nair B., "Artificial Intelligence (SIE)", Third		Dr. Milind Manapurkar Principal		

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
9	3Oct - 7 Oct	3		partial-order planning	Examples	Intelligence (SIE)", Third Edition, McGraw Hill, 2017.		11170/22		
			IV	planning graphs -planning and acting in the real world		2017.		Note		
						Kevin Night, Elaine Rich, Nair B., "Artificial		Bloln		J Que
10	10 Oct - 15 Oct	3		Plan generation systems.	MCQ's	Intelligence (SIE)", Third Edition, McGraw Hill, 2017.	·	18/15/22		1
			-			Kevin Night, Elaine Rich, Nair B.,		19/10/22		
11	17 Oct - 21 oct	3		Uncertainty - review of probability	seminars	"Artificial Intelligence (SIE)", Third Edition, McGraw Hill, 2017.		21/11/22		
12	31 Oct - 5 Nov	3		probabilistic Reasoning		Kevin Night, Elaine Rich, Nair B., "Artificial Intelligence (SIE)", Third Edition, McGraw Hill, 2017.		311122		
13	7 Nov- 11 Nov	3	v	Bayesian networks - inferences in Bayesian networks	Open up Questioning	Kevin Night, Elaine Rich, Nair B., "Artificial Intelligence (SIE)"	e	9/11/20		3/
14	14 Nov-19 Nov	3		Temporal models - Hidden Markov models.	Examples	Kevin Night, Elaine Rich Nair B., "Artificial Intelligence (SIE)", Thir Edition, McGraw Hill, 2017.		1411(122 151112 2211112 2411112 281112	2 2	S Dr
15	21 Nov-25 Nov				Sassian	Revision al II (28 Nov	to 3 Dec)			
16			7		Session	11 (20 1404	AS 0			

Sub. Teacher



Ac De





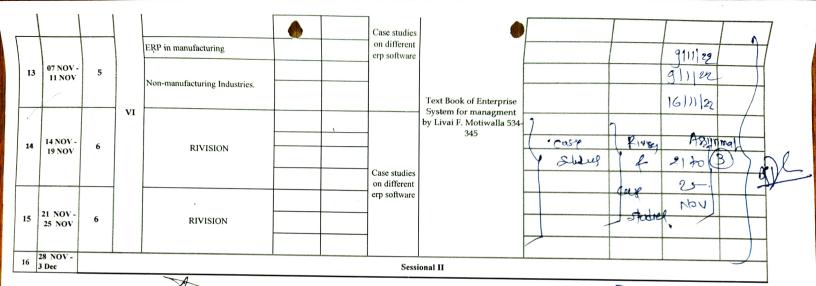
Maharshi Kerre Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCCF111/CF/2022 22

cco	EW/CE/202	22-23			LESSON 8	TEACHING	n AN for Enter	malaa Baaaaaaa Blaaalaa	Date: 8/ 8/	2022					
					LESSON 8		nt of Computer	prise Resource Planning Engineering							
Facul	ty Name: P	rofAbhila	isha Bo	rkar			Sub: Ente	rprise Resource Planning	Sec:	Year:	2022-23	Sem:- VII			
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter g no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign			
						Skill Devel	opment(1-8-22	2 to 6-8-22)							
				An overview, Business Processes,	FM_CS_ppt	EP_CS_V_				8/8/22					
1	8Aug -12	5		Introduction to ERP	FM_CS_ppt _01					9/8/22					
A SECTION AND A SECTION AS	Aug. 5		basic ERP concepts,				Text Book of Enterprise		10/8/22						
			I	benefits of ERP	FM CS nnt		Case studies on different	System for managment by Livai F. Motiwalla 468-		10/8/12					
				ERP and related Technologies	FM_MI_ppt _02	EP_MI_V_0 2	erp software	497		11/8/22					
2	17 Aug-20 Aug 6	6		benefits of ERP	FM_hkl_ppt	EP_hkl_V_				12/8/22					
	er ett i i i i i i i i i i i i i i i i i i	,	[Г	1	Г	ERP Architecture	FM_hkl_ppt	EP_hkl_V_ 03				16/8/22		
]	Business Process re-engineering				-		19/8/22		+			
3 2	22 Aug-26 Aug 4	II	lata - warehousing				Text Book of Enterprise System for managment by Livai F. Motiwalla 320- 345		22/8/22 23/8/22 24/8/22						
2	9 Aug - 3 sept	6	p n E	ata mining on the analytical processing supply chain nanagement.			Case studies on different erp software	Kendind		3018	Assignme	N			
culty i	n Charge		N	Managment				harshi Karve Stree Shikshan Sanetha's melias College of Engineering for Women Ningna, Nagpur-441118.		3018					

BASE NA	Marie Control of the		_				1	1					
				ERP Implementation: Basics						24/8/22	-		
	1 1			lifecycle]	Text Book of Enterprise System for managment		30/8/22	\/_		
5	5 sept - 9	5		package selection			1	by Livai F. Motiwalla 534- 345		31)8/22			
1	зере		Ш	transition strategies			1			5/9/2			
				Implementation Processes			Committee Commit			6)4122	_		
				Consultants, Vendors and						79122			
6	12 sept - 16 sept	5		after ERP Implementation						819122			
7	17 sept -						Ses	sional I					
	23 sept		1	The Business Modules	1					1219123			
				Business modules in an ERP			-	Text Book of Enterprise		1319123			
8	26 sept - 1 Oct	5		nackage Finance, Manufacturing, Human			-	System for managment		26/9/23			
				Resource.			-	by Livai F. Motiwalla 534- 345		2719122			
_			IV	Plant maintenance			1	343		28/9/22		- A	ر ل
				Material management,						29/4/22		à	
9	3 Oct-7 Oct	4	Quality management Case studies on different erp software Sales & distribution. Case studies System for management by Livai F. Motiwalla 53	Quality management			Case studies	Text Book of Enterprise		3/10/20			
				by Livai F. Motiwalla 534-		4)10/22							
	***************************************			Selection of ERP				345	90000 W. W. W. W. W. W. W. W. W. W. W. W. W.	6/10/29			
10	10 Oct-15 Oct	5		SWOT analysis of various ERP						10/0/27	1		
				products,									
			V]	Text Book of Enterprise System for managment		11/6/11	Assignm	en	
11	17 Oct-21	5		supply chain Enabled ERP.				by Livai F. Motiwalla 534-			U2-		
"	Oct	J		ERP and Electronic Data Interchange (EDI) integration,				345		18/10/22			
12	24 Oct-28 Oct			,			Diwali	Vacation					
										4/11/22			
12	29 Oct -05 NOV	6		Enterprise Application Integration,			-			18/0/2			
Facult	y in Charge	1		l l		College of	Enginee	HOD I	Dr. Milind Khanapurkar			-	
i aculi	, in Onlarge					Hinge Hogger-4	10, 141111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	пои	Dr. Millind Khanapurkar Principal Maharshi Karre Stree Shikshan Sanetha's Tumnias College of Engineering for Wosten Hingas Nagor-441118.				



Sub. Teacher

Hingen, Bocher-41111





Maharsh Carve Stree Shikshan Samstors CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOFW/CF/ 2022-2023

				De	partment of Co	LAN for Operating Sy omputer Engineering	rstem			
Facu	lty Name: Pr	of. Sharaye	u Deote			ormation Assurance		Year :	2022-23	Sem:- V
NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sig
Total Principles in the				Security fundamentals ,Introduction Terminology Attacks ,security goals : Authentication & Authorization				10/8/22		
1	8Aug - 12Aug	5	I	Ciber techniques:Substitution and Transposition Various algorithm and its implementation		Cryptography &		19/08		
enument de la colonidad de la	deed? University of the second			Ciber techniques:Substitution and Transposition Various algorithm and its implementation		network security by William stalling			and the state of t	
T	6 Aug- 20	5		One time pad ,Modular Arithmatic ,GCD					Assign 01	> 50
Management of the control of the con	Aug		I	stream cipher, secret splitting and sharing, block cipher, Tutorial				22/08	The second secon	
				eclide algoriths, Chinese Remainder theorm ,				22/0		
				Descete Logarithm,Fermats Theorms Block generation & uses ECC	Metabolistis argumentatiga pittor raumania ero describi	Kindind				

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
3	22 Aug- 26 Aug	4	I	Hash Algorithms: SHA-1,MD		Cryptography & network security by William stalling		29/08	٥١	
4	29 Aug- 3	5	II	Cryptograhpy Symmetric key algorithm : DES,AES,Attacks on DES						
	Sept			Blowfish Algorithm, Modes of operations				09 69		
			The state of the s	Linear cryptanalysis and Differential cryptanalysis		And the second s			REFORMATION AND ADMINISTRATION OF THE PROPERTY	
5	5 sept- 9 sept	5	II	Public key algorithm :RSA,Key Exchange Key Management Introduction,		Cryptography & network security by William stalling				(19)
Annual to the second			range jada en some epinadens adendesjada	Key Management: Generations, Distribution, Updation,		Comments a morning and a morni		12/09		NE /
6	12 Sept- 17 Sept	5	Ш	Digital Certificate, X.509 certificates, Digital Signature, D-H Algorithm				01/10		
7				Sessio	nal - I (171	th Sept 2022-	23rd Sept 2022	3)		
8	26 Sept- 1Oct	5	Ш	One Way Authentication, Kerberos, N/W Security	diese of	Colores	V	Linden	02_	
					Nosper-4	tine E	Maharah X Cunnisa C M	kilåndi-Khanapurkar. Principal arve Stree Shikkhan Sanetha's sliege of Engineering for Wost en ingna, Nappor-41118.		

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				Layer Wise Security Concerns,IPSEC- Introduction, AH and ESP,				62/10		
9	30ct - 7 Oct	5	IV	Mode of opeeration ,Security Associations, SSL- Introduction,		Cryptography & network security by William stalling		03/10		
				Handshake Protocol, Record Layer Protocol.IKE-Internet Key Exchange Protocol.				13/10		
10	10 Oct - 15	5	IV	Intrusion Detection Systems: Introduction,		Cryptography &		12/10	03	9)(
	Oct	3	10	Anomaly based, Signature based and host based		network security by William stalling	44.00	15/10		
the displicate by a sequence of the conjugate of the conj				Security Management and Applications				. // 0		
11	17 Oct - 21 oct	5	v	Intruders, Intrusion detection, Password management,	1	Cryptography & network security by William stalling		21 10		
12	31 Oct - 5 Nov	5		Worms, viruses, Trojans,Virus countermeasures, Firewalls,Firewall design Principals,Online transaction & attacks ,Cyber Crime & laws	N	letwork Security by forozen		61 1p) AV
				Supporting 5	Maharah Kare S Junales Caliga	KABABBOTAT (risc(p)) (risc(p)) (risc(p)) (risc(p)) (risc(p)) (risc(p)) (risc(p)) (risc(p)) (risc(p)) (risc(p)) (risc(p))		10 [1]		91

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
13 &	7 Nov- 20					Paulaia.				

Nov- 2

14

Revision

Sessional II (28 Nov to 3 Dec)

`

Dr. Milind Khanapurkar Principal Ac





stering Eng.













CCOFW/CE/ 2022 2013

7/07/2022

CCUEW	V/CE/ 2022	- 2023		LESSON	& TEACHING PL	AN for Operating Sys	- Da-	ZUZZ		
				De	partment of Cor	nputer Engineering				
aculty	Name: Pro	f. Sakshi K	hamank	sar .	Sub: Operatin	g System		Year:	2021-22	Sem:- VII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
elle dige i i si estama i nel in este man-deput		MACHINE DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE		What is Operating System do(OS)	OS Installation	Opearting System Concepts by Avi		8/8/500		
1	8Aug - 12Aug	5	I	"Types of OS,Operating system services."	OS Installation	Silberschátz, Galvin chapter 1, pg no. 3,12,18,20 Chapter 2, pg no. 49-88 Chapter 10,		9/8/202		No. o
A SALES OF THE SAL		Transfer or Control of the Control o		User-operating system Interface, System calls, Types of system calls	C Prog	pg no. 421-451		1018/22		3/2
		Annual An		System programs, operating system structure, Virtual machines		Opearting System Concepts by Avi Silberschatz, Galvin		1718122		
2	16 Aug- 20 Aug	5	I	FILE SYSTEM: File concepts. Access methods	C Prog	chapter 1, pg no. 3,12,18,20 Chapter 2, pg no.	MATERIAL TO THE PARTY OF THE PA	18/8/22		
				Directory & Disk structure	GUI (windows)	49-88 Chapter 10, pg no. 421-451		12/8/2		500
				File system Mounting, File sharing, protection File system structure.	C Prog	Opearting System Concepts by Avi		22/8/202	The state of the s	13/





WEEK No.	⊜ ee k	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Commetion	Assign dent/Tu tor ⊡ate	AC's sign
3	22 \ug- 26 \ug	4	I	File system implementation, Directory implementation, Allocation method.Free-space management, Efficiency & performance, recovery	D-Frag (using windows Disk Management system tool)	Silberschatz, Cratvin chapter I. pg no 3.12.18.20 Chapter 2. pg no. 49-88 Chapter 10, pg no. 421-451		24/8/28		
4	29 Aug- 3	5	11	Process concept, process scheduling operations on process, interprocess communication	C Prog (message sending)	Opearting System Concepts by Avi Silberschatz, Galvin chapter 11, pg no.		2918/72) De
	Sept			THREADING: Multithreaded programming overview,multithreading models.	Multithreding using JAVA	461-490 Chapter 3, pg no. 101-128		2/9/22		
			After \$4 inter-connection of the connection of t	PROCESS SCHEDULING: Basic concepts.		Opearting System Concepts by Avi		7/3/122		? .
5	5 sept- 9 sept	5	II	scheduling criteria, scheduling algorithm.	C Prog (Using data structure)	Galvin chapter 6, pg no.		813/22		
		-		multiprocessor scheduling algorithm evaluationithm.		225-257		121912	-	
	12 Sept- 17			PROCESS SYNCHRONIZATION: Background" critical section problem	Also voing C	Opearting System Concepts by Avi Silberschatz,		12/9/2		De
6	Sept	5	111	Peterson's solution, synchronization,	Algo using C	Galvin Chapter 7, pg no. 283-304		16/9/22		
7				Sessio	nal - I (171	th Sept 2022	- 23rd Sept 2022	2)		
8	26 Sept- 1Oct	5	111	Hardware solution, semaphore monitors, classic problems of synchronization, types of semaphore.	Algo using C	Opearting System Concepts by Avi Silberschatz, Galvin Chapter 7, pg no. 283-304		23/9/22 28/9/22 28/9/22		}
L	,			J	Golden of Fragging Wingna, Win	a	Dr. Millind Pri Maharis Cierce Si Sunda Cierce of Contract	and a sufficient responsible to the superior of the superior o		

WEEK No.	Week	No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic	Active / Virtual last link Teaching Aic	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Dide	AC's sign
9	30ct - 7 Oct	5	IV	DEADLOCKS: System mode: Deadlock characterization Methods for handling deadlocks Deadlock prevention, deadlock avoidance Deadlock detection Recovery from deadlock	(using spoon and plate)	Opearting System Concepts by Avi Silberschatz, Galvin chapter 6, pg no. 225- 257 Chapter 7, pg no. 283-304		3/10/22 4/10/22 7/10/22		and and
10	10 Oct - 15 Oct	5	IV	SECONDARY STORAGE STRUCTURE: Overview of mass storage structure, Disk structure. Disk attachment, Disk scheduling, Disk management Introduction to RAID structure swapping.	(using hard disk available in department)	Opearting System Concepts by Avi Silberschatz, Galvin chapter 12, pg no. 505- 533 Chapter 8 pg no. 315-342 Chapter 9 pg no. 357-396		11/10/72 12/10/22 13/10/22		
11	17 Oct - 21 oct	5	v	contiguous memory allocation paging structure of page table. segmentation VIRTUAL MEMORY MANAGEMENT: Background demand paging copy-on-write, page replacement, allocation of frames Thrashing, memory mapped file Allocating kernel memory	(using note book)	Opearting System Concepts by Avi Silberschatz, Galvin chapter 12, pg no. 505-533 Chapter 8 pg no. 315-342 Chapter 9 pg no. 357-396	·	171112 1811012 1911012 2111021		







Maharshi karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE / 2022-2023

LECCON O TEACHING DIAMA

				LESSON & TEACHING F					
				Department of C	omputer Engin	eering			
Faculty	y Name: Pro	f. P. Gangv	wani			Sub: WT	Year : 20	22-2023	Sem:- VII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/Tut orial Date	AC's sign
				Introduction to Web Technologies, Web Essentials			8 8 22		
1	Aug 8 - Aug 12	3		client server communications	_		9 8 22		
				Web Browser, Markup Languages - HTML		"March To change "	10 8 22		
2	Aug 15 - Aug 20	2	I	Markup Languages - HTML,XHTML		"Web Technologies - A Computer Science Perspective", 1st	17/8/22		
	g 2 v	9		SHTML, XML, simple XHTML page style sheets		Edition, Jeffrey C. Jackson - Chapter 1, Chapter 2, Chapter 3	1812122		(9)
				Introduction to CSS, Need for CSS			22/8/22		
3	Aug 22 - Aug 26	4		basic syntax and extrusion, DHTML. Discussion on university asked questions on unit I			23 8 22		
				Client side programming		Kindind	2418/22		
				Mogan 41111		Dr. Millind Xhanapurkar Principal Maharah Kare Strea Shishina Sanethi's Junes Kollego of Engineering for Women Kingsa, Nappur-41118.	101-		

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Look - Chapter no. Page no,edition. No	Completion Date	Assignment/Tut orial Date	AC's sign
				Java Script Language		"Web Technologies - A Computer Science Perspective", 1st			
4	Aug 29 - Sep 3	3	II	host objects: Browsers and the DOM - The Document tree, DOM event handling	-	Edition, Jeffrey C. Jackson - Chapter 4, Chapter 5	29,30 8 22	1	
				AJAX.			119122	5/9/22	<i></i>
				JAVA Applets			6 9 22	1 ,	9
5	Sep 5 - Sep	4		server side programming			719122		
	,			Java Servlets - basics, simple program		"Web Technologies -	8 9 22		
			ш	Separating programming		A Computer Science Perspective", 1st	12/9/22		
				separating programming and presentations		Edition, Jeffrey C. Jackson - Chapter 6, Chapter 8	13 9 22	V	
6	Sep 12 -	4		JSP basics		Chapter 6	13 9 22		
	Sep 17			simple JSP pages.			13 9 22	/	
				Discussion on university asked questions on unit II & III			1319122		
		1		19 Sep -23 Se	p Sessional	-I	1		
							0010100		
				Representing web data			2014/22		W
7	26 Sep - 1 Oct	4		database connectivity		WAY I TO Whose W.C.	2119122		1 / A
				JDBC, Dynamic web pages		"Web Technologies - A Computer Science	29/9/22	Cr Miline	Khanapurkar Incinal
						Sylva tures	. (Mahara Karve S College Hingna	ree Shirkshan Sanetha's (Engineering for Worke n laggor-441118.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence ok - Chapter no. Page no,edition. No	Completion Date	Assignment/Tut orial Date	AC's sign
			IV	XML - XML schema		Perspective", 1st Edition, Jeffrey C. Jackson - Chapter 7	3/0/22		
				DTD		Jackson - Chapter 7	3/19/22		
8	3 Oct - 7 Oct	3		DOM, SAX			6/10/22		
	,			Parsing XML Document using DOM/SAX parser.			7/10/22		1
	, , ,			Email Tools			10/10/22		
	10 Oct - 15			FTP Tools			10/10/22	14/10/22	
9	Oct	. 4		www			17/10/22		
				TELNET		"Web Technologies - A Computer Science	17/10/22		
			V	PUTTY		Perspective", 1st Edition, Jeffrey C.	17/10/22		
	17 Oct - 21			DNS		Jackson - Chapter 9	18/10/22		>
10	Oct Oct	4		Web Services & Feeds - SOAP			18/10/22		3)/
				Web Services & Feeds - RSS feeds.			18/10/22		
		*		Discussion on university asked questions on unit			18/10/22		3
11	31 Oct - 5	4		Discussion on university asked questions on unit			31/10/22	6	\
,	Nov	-	I	Building web Applications			14/11/22	. 14/11/22	
			(Cookies sessions		Komlind	15/11/22		
				Magan (1111)		Dr. Millind Khanapurkar Principal Wahash Carva Stree Sonathar Sanethar Sonato College of Exposuration for Motion Singer, Napport 4113	\		<i>J</i>

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence For k - Chapter no. Page no,edition. No	Completion Date	Assignment/Tut orial Date	AC's sign
12	7 Nov - 12 Nov	3		Open Source Environment PHP - MySQL case studies APACHE TOMCAT		"Web Programming	16/11/22		<u>/</u>
13	14 Nov - 18 Nov	4	VI	Accessibility Internationalization Types of Web Attacks Types of Intrusions.		(Building Internet Applications)", 3rd Edition, Chris Bates - Chapter 5	2411122 2411122 2811122 3011122	•	1
14	21 Nov 25 Nov	4		Discussion on university asked questions on unit VI PHP programming PHP programming PHP programming			30/11/22 30/11/22 30/11/22 30/11/22		gyl-
					nal -II		711/22	ĮŪ	











CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Stripering Engineering Accimen with a difference

CCDEW/CE/ 22-23

Date: 05/08/2022

						ESSON & TEACHING	PLAN for AMN	!					
					D	epartment of Compu	ter Engineerin	g					
Pacult	y Name: Pro	E. Harshwa	rdhan K	Thampate				Sub: Advance	Microprocessor an	d Microcontrollers	Year:	2022-23	Sem:- VI
NEEK No.	Beek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
- Children Gallerin				Oversew.	CE7AMPW01D230821L01	AMP_CE_PPT_01		Socratic Questioning	Advance	https://docs.google.com/for ms/d/e/1FAlpQLSfzcU8Wk0C xog66ktegW1z8SWS7ZINYxN	08/08		
10	\$Aug -12	2	ŧ	History of Microprocessors	CE7AMPW01D240821L02	AMP_CE_PPT_01		Socratic Questioning	Microprocessors and Peripherals K M		10 08		
	Sug 2622			Introduction to 32 bit processor	CE7AMPW01D250821L03	AMP_CE_PPT_01			Burchundi & A K Ray. Pg No.		14/08		
SettoContra				Historical evolution of 80286,386 & 480 processor	CE7AMPW01D260821L04	AMP_CE_PPT_02			417		12/08		
Special and Physics and Street				Historical evolution of \$1286,386 & 486 processor	CE7AMPW01D270821L05	AMP_CE_PPT_02			Advance	You do not not not not not not not not not no	17/08		
2	154ag -28	4		Historical evolution of \$1286,386 & 486 processor	CE7AMPW02D300821L06	AMP_CE_PPT_02	AMP_CE_V		Microprocessors and Peripherals K M	The state of the s	18/08		
	Aug MCC			Real & Protected modes	CE7AMPW02D310821L07	AMP_CE_PPT_02			Burchundi & A K Ray. Pg No. 425-451		19/08		
Pages and Decision		100		Segmentation, Paging Mechanism	CE7AMPW02D010921L08	AMP_CE_PPT_02	AMP_CE_V _01				20/08		
				Segmentation, Paging Mechanism	CE7AMPW02D020921L09			Video			22/08	Tutorial	
				Privilege mechanism	CE7AMPW02D030921L10		AMP_CE_V _02	Video	Advance Microprocessors		23/08		
5	22 Aug 26 Aug 2622	5	1	Этинеския писскийсям	CE7AMPW02D040921L11	AMP_CE_PPT_03			and Peripherals.K M Burchundi & A		24/08		
				Рисіниц & тей смисінц	CETAMPW//SD060921L12	AMP_CE_PPT_03			K Ray. Pg No. 453	The state of the s	25/08		
		A CONTRACTOR A STATE		Task Switching	CETAMPW03D070921L13	AMP_CE_PPT_04		Video			25/08		
				Pennum features	CE7AMPW03D080921L14	AMP_CE_PPT_04		Discussion	Advance		26/08	ot	
			ta comment and the	Pennium architecture	CETAMPW//3D090921L15	AMP_CE_PPT_04			Microprocessors and Peripherals K M		29/08	A CONTRACTOR CONTRACTO	
•	29 Aug-1 Sept 2002	5	Ø	Pn Diagram of Pennum Description.	CE7AMPW64D140921L16	AMP_CE_PPT_04			Burchundi & A K Ray. Pg No. 453. Intel		30/08		







	No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
Seption Sept	A COLUMN TO THE PARTY OF THE PA	and depression of the second s			Pin Diagram of Pentium. Description.	CE7AMPW04D150921L17				by Barry Brey.		0409		
Pentium super-scalar architecture		wanter of charge and charge			Pentium real mode	CE7AMPW04D160921L18						02/09		
Sept 302 5 Sept 302 5 1 1				and the second s	Pentium RISC Features	CE7AMPW04D170921L19	AMP_CE_PPT_04					02/09		
1	Parity of the Control	That appropriate and a second a		decirate Laboratoria de Calvaria		CE7AMPW04D180921L20	AMP_CE_PPT_04			Intel		05/09		
	5		5	II	Instruction pairing rules	CE7AMPW05D200921L21	AMP_CE_PPT_05			Microprocessors by Barry Brey.		04109	-	
CE7AMPW05D22092IL23 AMP_CE_PPT_05 13 5 9	Section and Sectio				Branch prediction	CE7AMPW05D210921L22	AMP_CE_PPT_05			Pg. No. 729		08/09		
Basic Pentium programming					Instruction and data caches	CE7AMPW05D220921L23	AMP_CE_PPT_05					12/09		
1 1 1 1 1 1 1 1 1 1						CE7AMPW05D230921L24	AMP_CE_PPT_05					13/09		
Forgrammer's model Sept 2012 Sept 20					Basic Pentium programming	CE7AMPW05D240921L25	AMP_CE_PPT_05					14/00	1	
Register set	6		6	ш	Programmer's model	CE7AMPW06D270921L26	AMP_CE_PPT_05	AMP_CE_	V	and		16/09		
17 17 Sept - 23 Sept - 202 Sept -		Sept 2022			Register set							+-+-	Acceptance of the second of th	
17 17 17 17 17 17 17 17					Addressing modes			-		and the state of t		+ :		
Sept 2022 Sept 2022 Sept 3022 Sept	7				Instruction set	CE/AMPW06D300921E29		Sessionel I		periodent		29/09	and the control of th	
Society of the control of the cont	_	Sept 2022		T	Data Types in Pentium	CE74MPW06D011021122		Costonal I	Programme			101.0	00	1
26 Sept-01 Oct 2022 6								-	1 Togramming				02	-
Oct 2022 6 III Programs CE7AMPW08D131021L33 AMP_CE_PPT_06 Programming CE7AMPW08D141021L34 AMP_CE_PPT_06 Programming CE7AMPW08D161021L35 AMP_CE_PPT_06 Programming CE7AMPW08D161021L35 AMP_CE_PPT_06 Programming CE7AMPW09D181021L36 AMP_CE_PPT_06 Programming CE7AMPW09D181021L36 AMP_CE_PPT_06 Programming CE7AMPW09D201021L37 AMP_CE_PPT_06 Microprocessors IO October Arithmetic instructions CE7AMPW09D201021L38 AMP_CE_PPT_06 Microprocessors IO October Arithmetic instructions CE7AMPW09D21021L39 Programming Programming IO October IV	24.6						 						+	
Programs	8	26 Sept- 01 Oct 2022	6	III				+				-	-	+
Advanced Pentium programming								+	Programmi	2		10-64	-	-
String instructions								+	riogramming					-
Arithmetic instructions				+				+					5	
10 10 10 10 10 10 10 10		3066	Approximate makes with						***************************************				account of the control of the contro	
Logical instructions	9		4	IV	Arithmetic instructions	CE7AMPW09D211021L38	AMP_CE_PPT_06		***************************************	Microcontrollers		1		
10 Oct-15 Oct 2022 10 Oct-15 Oct 2022 10 Oct-15 Oct 2022 10 Oct-15 Oct 2022 10 Oct-15 Oct 2022 10 Oct-15 Oct 2022 10 Oct-15 Oct 2022 10 Oct-15 Oct 2022 10 Oct-15 Oct 2022 10 Oct-15 Oct 2022 10 Oct-15 Oct 2022 10 Oct-15 Oct 2022 10 Oct-15 Oct 2022 10 Oct-15 Oct 2022 10 Oct-15 Oct 2022 10 Oct-15 Oct 2022 10 Oct-15 Oct-						CE7AMPW09D221021L39			Programming	1				
IV			enation per control part of			CE7AMPW10D251021L40	AMP_CE_PPT_07					13/10)	
10 Oct-15 Oct 2022 6 Programs CE7AMPW10D271021L42 AMP_CE_PPT_07 and Peripherals K Programs CE7AMPW10D281021L43 AMP_CE_PPT_07 8051 Micro-controller CE7AMPW10D291021L44 AMP_CE_PPT_07 V Micro-controller VCS-51 femily V Micro-controller VCS-51 femily				IV		CE7AMPW10D261021L4	AMP_CE_PPT_07		-			14/10		
CE/AMPW10D281021L43 AMP_CE_PPT_07 K Ray. Pg No. (8 10 10 10 10 10 10 10 1	10		6							and Peripherals.K		1	and the state of t	
V Microcontroller NCS 51 Gmills		No. of the last of						_	***************************************	K Ray. Pg No.		18/10		and the second s
IFaculty in Charge architecture CE7AMPW10D301021L45 AMP_CE_PPT_07 UCD 20 10	_			v	Micro-controller NCS-51 family					_	Hinges, 2	1		

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				On-chip data memory & program memory organization	CE7AMPW11D081121L46	AMP_CE_PPT_07					21/10		
				Register set, register bank	CE7AMPW11D101121L47	AMP_CE_PPT_07			Advance Microprocessors and Peripherals.K		31/10		
11	17 Oct-21 Oct 2022	5	V	SFR	CE7AMPW11D111121L48	AMP_CE_PPT_07			M Burchundi & A		1/11		
Annual Control of Cont				External memory & program memory	CE7AMPW11D121121L49		AMP_CE_V _04		K Ray. Pg No. 566		02/11		
				Interrupt structure	CE7AMPW12D151121L50						03111		
and the same of th				Timers & their programming	CE7AMPW12D161121L51			Case study			04 11	Assignment	
original analysis of				Serial port & programming,	CE7AMPW12D171121L52						ostil		
12	1 Nov-5 Nov 2022	5	v	8051 micro-controller for various Applications	CE7AMPW12D181121L53						07/11	No.	
es established by the established				Overview of 8096 Micro-controller: General description	CE7AMPW12D201121L54				Advance Microprocessors		09/11		100
The state of the s				Processor section, on-chip data I/O section	CE7AMPW13D221121L55				and Peripherals.K M Burchundi & A	indicate and the state of the s	10/11		To A Control of the C
			9	Basic software examples: using the 8096's processing section	CE7AMPW13D231121L56				K Ray. Pg No. 590	rene constante.	11/11		
	07 Nov-12		VI	Using the I/O section	CE7AMPW13D241121L57		AMP_CE_V 05				14/11	de de la constante de la const	400000
13	Nov 2022	4		Overview of 8096 Micro-controller: General description	CE7AMPW13D251121L58						15/11	emidae au	Automore and a second
And the second				Processor section, on-chip data I/O section · Processor Sectin · Processor Section · Processor Section · Processor Section · P	CE7AMPW13D221121L55						15/11	A de la constante de la consta	Aprillation
		Andrews Allers		Basic software examples: using the 8096's processing section	CE7AMPW13D231121L56						16/11		
14	14 Nov-19	5	VI	Using the 1/0 Pin Liumphisection	€E7AMPW13D241121L57						17/11		
-	Nev 2022	and the state of t		Watchdag time V							12/11		
	28 Nov- 03 Dec 2022					s	essional II						

Afri.



Dr. Millind Khanapurkar Principal Maharah Karve Stree Shishan Sanethu's Sumalisa College of Engineering for Women AC

16 Dec 2022

Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2021-22

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in









Maharshi L rve Stree Shikshan Samstha Educating Women for CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE/ 2021-2022

Lab Practicals Plan

_				,	Den	Lab Pra							
Pı	of. Pinky Gangwani			Da	ta Structur	es						•	
					Batch B1		16	ar: 2021-2	22		Sem:- IV		
								Batch B2			Batch B3		
F	Traine of experiment	Lab ID	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
1	implement Binary search			23/3/2022	23/3/2	2_	24/3/2022	24/8/2	7	21/3/2022	28 3 2		
2	implement Bubble sort		•	30/3/2022			31/3/2022	. 1		28/3/2022	and the second second		COLUMN TO SERVICE STATE OF THE
3	Write a program in C to implement Stack using an array								Λ.		41415	,	<u></u>
4	Write a program in C to implement Queue using an array			13/4/2022			21/4/2022	21/4/2		11/4/2022	11/4/22		1 2
5	Write a program in C to implement Infix to Postfix expression evaluation			20/4/2022			28/4/202	2		18/4/202	181915	- 1	1
6	Write a program in C to implement insertion and deletion on Singly linked			27/4/2022	1815/2	2	12/5/202	28/4	122	25/4/202	22		
	•				1	`		1,115	4		16/5	22	





EEK	Week	No. Of Lect.	Unit No.	1	Exact Topic Name & Subtopic no.edition, No.	Video ID	Virtual lab link Teachir Aid		k for quiz or Completion Date Assignment/ Luc AC's sign orial Date
li	1840r- 23Ap	2		-	ack and Queue - Array representation of stacks				14/22
J	25 Apr-30 Apr	5	351	P. 12	incular queue olish notation mplementation of stack using arrays Application of stack & queue: Conversion from nfix to Postfix Evaluation of postfix expressions, Priority Queue	es		Data Structures using C by Tanenbaum	6422 8422 11422 12422
	V	11	il .	3.		2 May-	7 May Se	ssional -I	
8	9 May - I Nazy	13			Trees: Basic Terminology Basic trees Binary tree representations threaded storage representation				93 5 22 93 5 22 93 5 22 96 5 22
9	96 Mizy 21 Miz		11	IV	binary tree traversals binary search trees Application of trees Preliminary treatment of AVL Trees B-Trees			Data Structure using C by Tanenbaum	9415122 9415122 9615122
90	23 N42 27 M	- 11 -	4		Assignment no-2 Discussion on University asked Questions (Units) Graphs: Definition & terminology	2			27 5 22
	- 11-2				Graph representation: matrix representation	n of			27 5 22
1	30 Ma Jun	- 1	5		Depth First Search Spanning trees — Kauskal 2-P	ims.			97/5/22 30/5/22 36/5/22 31/5/22

Eaculty in Charge







WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic no.editor. No	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Boo Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tut	AC's sign
			V	Shortest path algorithm					116122		
12	6 June -	4	-	topological sorting			Data Structures		1-1-1		
12	10 June	-		Critical path			using C by				
				Symbol Tables			Taneṇbaum		20412) .	
		,		static tree tables					201412)	
				dynamic tree tables					10014122		
13	13 June- 18 June	5		hash tables					121/4/22)	30
1	10 0 4 110			hash functions Dillisipo, Mickalase	Pollina				22,25,264	14-6-	27
				Assignment no-3	1,020.		7-		1 , , , ,	306122	1
				Unit			2 - 11 - 1			1	
14	20 June-	4		Solve summer-19 Paper			i i		14+6 22	-	
14	24 June	*		Solve summer-18 Paper					15+6 22		
				Solve summer-17 Paper					15+6 22		





Coroughi .

HOD

CCOEW/CE/ 2021-2022

Lab Practicals Plan

	•			,	De	partment of	Computer	Engineering	3				
Pro	of. Pinky Gangwani			D	ata Structui	res	Y	ear: 2021-	22	- *	Sem:- IV		
					Batch B1		7.	Batch B2	_		Batch B3	,	
Pi	Name of experiment	Lab ID	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
1	Write a program in C to implement Binary search			23/3/2022	23/3/2	2_	24/3/2022	24/3/2	_	21/3/2022	28 3 22	-	
2	Write a program in to implement Bubble sort		•	30/3/2022	30 3 2)	31/3/2022	7/4/22	gent en en epitor de enfert	28/3/2022	414122		
3	Write a program in C to implement Stack using an array			6/4/2022	614122		7/4/2022	21/4/25)	4/4/2022	11/4/22		
4	Write a program in C to implement Queue using an array			13/4/2022	201412	2_	21/4/2022	28/412	2	11/4/2022	18/4/22		J.
5	Write a program in C to implement Infix to Postfix expression evaluation			20/4/2022	27/4/2	2	28/4/2022	28/4/2	2	18/4/2022	25/4/24	2	
6	Write a program in C to implement insertion and deletion on Singly linked			27/4/2022	18 [5 22	,	12/5/2022	1915/22	_	25/4/2022	16/5/22		

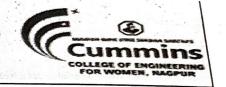






Maharshi Jarve Stree Shikshan Samsthu's Educating Women for 4 MMINS COLLEGE OF ENGINEERING FOR WOMEN

rpening Engineering Acumen with a difference



CCOEW/CE/ 2021-2022

Lab Practicals Plan

			•		Dep	artment of	Computer E	ngineering			•			7
Pro	of. Pinky Gangwani			Da	ta Structur	es	Ye	ar: 2021-2	2		Sem:- IV			+
_					Batch B1			Batch B2			Batch B3			\dashv
Pi	Name of experiment	Lab ID	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark	
	Write a program in C to implement the concept of Binary tree			11/5/2022	25 5 2		19/5/2022	2615/2		9/5/2022	23 5 2			
8	Write a program in C to implement the concept of Binary Search tree			18/5/2022	25/5/2		26/5/2022	261512		45/5/2000	, ,			0
9	Write a program in C to implement the concept of Breath first search technique	7		25/5/2022			**************************************			16/5/2022	23 5 2		1/3	* A
10	Write a program in C to implement the concept of Depth first search technique			1/6/2022	4101		9/6/2022	7 7 6 5			1001010			
	•				1-1-1-		3/0/2021	-17/0/5	Δ <u></u>	30/5/2022	130/5/2	2'4		

Subject Teacher





Ac



Maharshi Kai o Stroe Shikshan Samsthe's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Date: 07/03/2022

LESSON & TEACHING PLAN for Consumer Affairs

Department of Computer Engineering

aculty l	Name: Dr. F	riyadarsh	ini Ram	teke		Sub:Cons	umer Affairs		Sec: CE	Year :	2021-22	Sem:- I\
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	1	AC's sign
1	10 - 16 March	0		Service Stuff exchange			Skill Develor				Date	
2	17 - 19 March	1		Introduction about the subject			Skill Develop	ment		22/3/22	<u> </u>	
	21 - 25			Concept of consumers and markets						23/3/22		
3	March	3	*	concept of retail price	v *					24/3/22		-
				whole sale price						25/3/22	/	
	28 March		I	maximum retail price,						29/3/22		
4	1 April	3		local taxes,						30/3/22		
				fair price and packaging.						514/22		\mathcal{T}
				Activity						14/22		
5	4 - 8 April	3		Consumer protection act 1986					7	7/4/22		97
				objectives and provisions						2/4/22		04/0
			II	Grievances redress mechanism under consumer protection act					1	9/9/22		
6	11 - 16 April	2	f	1986						20/4/22		
				procedure for filing and hearing a					2	21/4/22		
			C	complaint					2	8/4/22	-]

Bamtelo





Week	No. Of	Uni No.	Fyact Tonic Namo & Culturate	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Jook - Chapter no. Page	link for quiz	Completion Date	Assignment/ Tutorial	AC's sign
18 - 22	3		remedies, frivolous and vexatious complaints			Ald	no,edition. No		11/5/22	Date	
April		· II	offences and penalties.				,		12/5/22		
25 - 30			Activity						11/3/22		
April	3	III	Industry regulations and consumer complaint redressal mechanism						18/5/22		
2 - 7 May					Sec	ssional - I Ex			19/5/22		
9 - 13 May	3		Banking – RBI and banking ombudsman,		JC.	SSIOIIAI - I EX	am		23/5/22		
16 - 21			Advertising – ASCI						27/8/22		
May	3	III	Insurance – IRDA and insurance ombudsman						4/6/22		
23 - 27	3		Telecommunication – TRAI,						25/8/22	_	
May			Food products – FSSAI						10/8/22 B/6/22		
30 May - 4 June	3		Activity						14/6/22		
6 - 10 June	3		Evolution of consumer movements in India						7		
o To dune	3	IV	their role in consumer protection						ASSIGNM	ENT	
13 - 18 June	3		national consumer citizen charter								
20 - 24			Activity	Tan Ara dan selata ya kelala							
June					Interi	nal Practical E	xam				
27 June - 2 July					V.	Sessional II					

Sub. Teacher





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan

CCOEW/ Department of Computer Engineering

	DEW/ Department of Computer Engineering hamankar			Sem:IV	
7.0	Sub: Operating System		Batch		
Pi	Name of experiment	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
pri	print	print	fill	fill	fill
nt 1	To study various steps of OS installation for windows 10 and find different types of OS	23/3/2022	23/3/20n	10	
2	Write a program in C to simulate CPU scheduling algorithm by FCFS	04-07-22	614122	25	
3	Write a progrqam in C to simulate CPU scheduling algorithm by SJF	21/4/2022	24 14 122	20	
4	Write a program in C to simulate CPU scheduling algorithm by round robin	05-11-22	11/5/22	28	
5	Write a C program to simulate the following contiguous memory allocation Techniques	05-12-22	12/5/22	30	
6	Worst fit Write a C program to simulate the following contiguous memory allocation Techniques	25/5/2022	25/5/22	2	
7	Best fit Write a C program to simulate the following contiguous memory allocation Techniques by First Fit	25/5/2022	25/5/22		-
	Write a C program to simulate producer-consumer problem using Semaphores	06-01-22	116/22	. 23	

Sub-Feacher S. Khamancay





Academic - Co-ordinately



Maharshi K ve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/CE / 21-22

Date: 17/ 03 / 2022

LESSON &	TEACHING PLAN for Operating System	
FF22014 G		

					Depar	rtment o	f Compu	ter Engineering					
aculty Na	ame: Prof.	ıkar				Sub: Operating	System		Year: 20	21-22	Sem:- IV		
VEEN	1. 1	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignmen t/Tutorial Date	AC's sign
				What is Operating System do(OS)	34000			OS Installation	Opearting System Concepts by Avi Silberschatz,		7313122 1713122		
1 2	21 Mar-25 Mar	4	I	"Types of OS,Operating system services,"				OS Installation	Galvin chapter 1, pg no. 3,12,18,20 Chapter 2, pg		22/3/22 23/3/22		924
en en en en en en en en en en en en en e		CONTRACTOR OF THE PROPERTY OF		User-operating system Interface, System calls, Types of system calls	s			C Prog	no. 49-88 Chapter 10, pg no. 421-451		24/3/2		01
Section and sectio		Magain de de la company de la		System programs, operating system structure, Virtual machines	1				Opearting System Concept by Avi Silberschatz, Galvin	S	25/3/20		
2	28 Mar-1 Apr	4	I	FILE SYSTEM: File concepts, Access methods				C Prog	chapter 1, p no. 3,12,18,20	g og	30/3/20		$\left(\cdot \right)$
		Africa de La companya		Directory & Disk structure				GUI (windows)	no 49-88	Contraction of the Contraction o	301312		MATERIAL PROPERTY CONTRACTOR CONT
				File system Mounting, File sharing protection File system structure,	<u>;</u> ,			C Prog	Opearting Syste Concepts by Av Silberschatz, Galvin	/i	114122	2	
3	4 Apr-8 Apr	4	I	File system implementation, Directory implementation, Allocation method, Free-space management, Efficiency & performance, recovery	•			D-Frag (usi windows Di Manageme system too	chapter 1, no. 3,12,18,2 (Chapter 2, no. 49-88 (Chapter 10)	pg pg	51412 51412 61412	n	(Z)

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Bo Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignmen t/Tutorial Date	AC's sign
4	11 Apr-15	4	II	Process concept, process scheduling operations on process, interprocess communication				C Prog (message sending)	Opearting System Concepts by Avi Silberschatz, Galvin chapter	*	12/4/22 15-03-31 131 41 22	1 St Assign	
	Apr		91	PROCESS SCHEDULING: Basic concepts.				Multithreding using JAVA	11, pg no. 461- 490 Chapter 3, pg no. 101-128		1514122		
				scheduling criteria, scheduling algorithm.					Opearting		20/4/22 20-19-21 21/4/26		QU2,
5	16Apr-22 Apr	4	II	multiprocessor scheduling algorithm evaluationithm.	CE7OSW 05D2409 21L24			C Prog (Using data structure)			23/4/22		09 00
				PROCESS SYNCHRONIZATION: Background" Critical section problem, Peterson's solution					chapter 6, pg no. 225-257		27/4/2		
6	25 Apr-30 Apr	4	ш	, Hardware solution, semaphore monitors , , classic problems of synchronization, types of semaphore.			OS_CI _V_01		Opearting System Concepts by Avi Silberschatz, Galvin Chapter 7, pg		2-81412	2	
7		Sec. 3		CLOS MAY PURSE MAY	Ses	siona	1 - 1 (0	02 May 20	THE PLANT OF THE)22)			
8	9 May-13 May	4	III	THREADING: Multithreaded programming overview, multithreading models.			OS_C _V_0	E Algo using 0	Opearting System Concepts by Avi Silberschatz, Galvin Chapter 7, pg		111512	1	
	16 May 20			DEADLOCKS: System model, Deadlock characterization Methods for handling deadlocks			OS_C _V_0		Opearting System Concepts by Avi n Silberschatz, Galvi	- 1	1215/2	1	
9	16 May-20 May	4	IV	Deadlock prevention, deadlock avoidance Deadlock detection Recovery from deadlock			OS_C _V_0	and plate)		о.			





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Virtual lab link Teaching	Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignmen t/Tutorial Date	AC's sign
10	23 May-27 May	4		SECONDARY STORAGE STRUCTURE: Overview of mass storage structure, Disk structure. Disk attachment, Disk scheduling, Disk management				(using hard disk available in department			25/5/22 3115/22 3115/22	1	



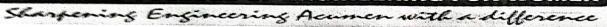
Dr. Millind Khanapurkar Principal Maharah Kares Stree Shishaha Sanetha Junnias College of Engineering for Wons

NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Boo Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignmen t/Tutorial Date	AC's sign
11	30 May- 04 June	4	v	contiguous memory allocation paging structure of page table, segmentation VIRTUAL MEMORY MANAGEMENT: Background demand paging copy-on-write, page replacement, allocation of frames Thrashing, memory mapped file Allocating kernel memory				(using note book)	Opearting System Concepts by Avi Silberschatz, Galvin chapter 12, pg no. 505-533 Chapter 8 pg no. 315-342 Chapter 9 pg no. 357-396	an ²	10/6/2	2	
12	6 June-10 June	4	v	SYSTEM PROTECTION: Goals of protection principles and Domain of protection Access Matrix implementation Access control Revocation of access Right	CE7OSV 12D201 21L54	1 E_ppt		(unix system properties in windows)	Opearting System Concepts by Avi Silberschatz, Galvin Chapter 14 pg no 591-610		13/6/2 talcen 2 Jech 2 one online		



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





				Departme	ent of Compute	er Engineering		×		
acult	y Name: 1	Prof.Sh	ivani Mirase		Sub: System	Programming		Year :	2021-22	Sem:- Iv
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz o	Completion Date	Assignment/Tut orial Date	AC's sign
	21-	6 plysical mobile (50		Introduction to IBM 360/370 & Assembler			17	17-8-22		
1.	March 26 - March	3		System Programming & its component		Systems		19-9-22		
				Machine Architecture		Programming		21-9-22		
	28-		1	Instruction Formats, Data Formats Data Formats		(John Donovan) Ch 01 pg no 1-14, Ch 02 pg no		24-3		
2	March- 31-	3		Register Formats, Concept of assembler		21,35, 43, Ch 03 pg no. 60-77		25 - 3 -		
	March			design of single pass and two pass assembler.				28 - 3 - 20		M
	4-April-			Concept of macro		Systems		29-3	7	54. 105
	9-April	3		macro call within macro		Programming (John Donovan) pg		1-4-22		00/1
				macro definition within macro		no 60-77	4	4-4-22		
Department of the second	A. G. D. Sandar		2	recursive macro calls		Systems		8-4-22	Asia of	
	11-April 16-April	3		design of macro processor		Programming (John Donovan)	•	11-4-22	134 0)	•
-				Concept of Macro processor		pg no 111-136		12-4-22	1	

Faculty in Charge

Dr. Millind Khanapurkar Principal Mahanh Kirve Stres Shikshan Sanetha's Lumins College of Engineering for Money In-

HOD

		Come of the	Lingui Named	Commission of the second of th	Jet to work to be	CONTRACT DISCOUNT OF THE CONTRACT OF THE CONTR				
EEK lo.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tut orial Date	AC's sign
5	18-April			Basic Loader functions,				21-4-2	2	
5	23-April			Loader schemes, "Complier and go" Loaders.		Systems		22-4-2	2	
			3	general Loader scheme		Programming		25-4-22	- /	
				subroutine linkages, relocating loaders		(John Donovan) pg no 111-136		25-4-29		
6	25Apr		3	direct linking loaders, other loader schemes Binders,				28-4-28		
				linking loaders, Overlays				30-6-22	-	
7					Se	ssional I				
	9.400	w		absolute loaders.		Systems .		9-5-22		1
8	9A-pri	d- 3	3	Design of a Direct - Linking loaders.		Programming (John Donovan)		10-5-2	The state of the last of the l	1
	m	4		Dynamic Binders.		no 152-178	PS .	14-5-2	2/1881-02	1
-				Compiler – Phases of Compilers				17-5-22		1 me
9	16 Ma			Overview of Databases				10-2-5	2	1 3
	21 Ma	ıy	4	Algorithms required for all phases.		Systems Programmin	g	20-5-2	2	
_			_ *	Role of lexical analyzer		(John Donova pg no 265,27	n)	21-5-2	22	
	22.14			recognition of tokens				23-50	22	
1	23 M: 28 M	ay 3		Study of LEX				26-5-	22	
1	1			Study of YACC.	`			27-5-2	2	

onese of Englishment Hingma, hosper-441111





Faculty in Charge

28-5-22

No.	1 18700	Lec	f Unit No	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tut orial Date	AC's sign
	1 June-4		5	Unix Device Drivers		and the second s	XIII	1-6-22		
11	June	3		Anatomy and Types	• ,	Unix Device drivers by George		2-6-22		
			1	Device programming		Pajani				
	6 June-			Installation				6-6-2		/
11	11 June			Incorporation of driver routines		Unix Device drivers by George			1/25 (45)	
				Basic device operation	1	Pajani		10-6-22		
				Implementation with Line Printer				11 -6-22		
12	13 June- 18 June	3		device drivers for UNIX				16-06-2		
				Comparative study between device drivers		Unix Device		17-06-2		100
- 1				Case study of Intel®64		drivers by George Pajani		18-06-2		1 31/2
	20 June- 24 June	3		IA-32 Processors				21-06-2		
				IA-3 2Basic architecture				22,-062	2	
		\neg							•	
+	-									
					Sess	ional-II				

Sub. Teacher



Dr. Millind Khanapurkar Principal Maharsh Kare Stres Shinahan Sanetha's Tunnina College of Engineering for Women Hopes Appared Artis Ac

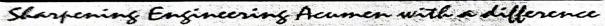
aculty in Charge

HOD



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





LESSON & TEACHING PLAN for Engineering Physics

				Department of Co	omputer Enginee	ring				
acu	ilty Name	e: Prof	. Shiv	rani Mirase	Sub: Multimedia	Sysytem(Ele-IV)		Year: 202	1-2022	Sem:- VIII
W EE K No	Week	No. Of Lect.	Un it No	Exact Topic Name & Subtopic poll	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
1	17Jan - 21jan	5		Introduction: Definition of multimedia - Multimedia Basics - Where to use Multimedia - Multimedia Elements Multimedia Applications Multimedia Systems Architecture: Multimedia Workstation Architecture - High resolution Graphic Multimedia Architecture Based on interface bus - Network architecture for Multimedia systems. Evolving Technologies For Multimedia Systems: Hyp	Open up Questioning	Fundamental of Multimedia - Ze Nian Li & M. S. Drew ,PHI		141 22 18-1 22 19-1 227		OF DE
		Angele cantagement and cantage		Speech - HDTV and UDTV 3-D Technologies and Holography - Virtual Reality - Video conferencing.				& 2 81 - 82		
				Hardware: Macintosh Versus Windows Platform – Gonnections -Memory and Storage Devices -Input Devices -		Fundamental		24.	-)	

Faculty in Charge



Dr. Milind Khanapurkar Principal Maharah Karva Stree Shiskana Sanett Tunniss Colege of Espineering for Wo

HOD

E K NO	Week	No. Of Lect.	Un It No	Cact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
2	24 Jan - 28 Jan	4	energie dis edit di della completanda di della	Output Hardware - Communication Devices Basic Software Tools : Text Editing - Word Processing - OCR Software -		Multimedia - Ze- Nian Li & M. S.		25-1		
			-	Painting and DrawingTools - 3D Modeling and Animation Tools - Image Editing - Sound Editing.		Drew ,PHI		27-1		
			Automotion receipted property	Animation - Video Digital Movie tools Word Processors - Spreadsheet				28-1		Λ
All political and the control of	1 Feb -		PRINCIPAL STREET, STRE	Movie Editors - Compressing Movie Files Making instant Multimedia				31 -)	
3		4	Agency Company of Company of the Com	Making instant Multimedia: Linking Multimedia Object – office suites- – databases	For Understandin The Concept	of Multimedia and	d	F01-	-22	1 91
and the section of th			Severatives fortilish Takes Of Palestonians	presentation tools – power point Multimedia authoring tools	Multimedia	K. Pakhira PHI	1,	82		
All the Particular Property and the Particular Particul				Types of authoring tools – card and page based authoring tools – Icon based authoring tools – Time based authoring tools.	Tools	Second editio	n	3-	22	
agentus (demonstration and more professional			5	Text: - Using Text in Multimedia - Designing with Text Hypermediaand Hypertext - The Power of Hypertext				4-	2 2 2	
And the second s		The state of the s		Using Hypertext - Hypermedia Structures - HypertextTools, Images: Making Still Images - Bitm - 1 bit images	aps			8	-2 2034	1
						Fundament	al of			



W EE K No	Week	No. Of Lect.	Un it No	Refrence Book-	Activity/ Virtual lab link Teaching Aid	Assistence Book - Refrence Book - Chapter/no. Page utorial no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
4 1	8 Feb - 11 Feb			8-bit gray level images - 8-bit color images- Dithering Vector Drawing - Vector- Drawn Objects {vs.}Bitmaps- 3-D Drawing and Rendering - Color - Understanding Natural Light and Color - Computerized Color - Color Palettes - Color Look-up table. Sound: The Power of Sound - Digital Audio - Making Digital Audio Files - MIDI Audio - MIDI		Multimedia - Ze- Nian Li & M. S. Drew ,PHI		11 ~ \$0%5 10 ~5 %0%5 d ~5		
5 1	14 Feb- 18 feb	5		vs. Digital Audio Multimedia System Sounds - Adding Sound to Your Multimedia Project - Audio Recording - Keeping Track of Your Sounds Audio CDs - Sound for Your Mobile - Sound for the Internet. Animation: the Power of Motion- Principles of Animation Animation by Computer - Animation Techniques. Video: Using Video- How Video Works and Is Displayed - Analog Video Digital Video, Displays - Digital Video Containers - Codec Video Format Converters - Obtaining Video Clips - Shooting and Editing Video.		•		2022 14 2 2022 5022 7022 7022 7022 8022 8022		9) C 03/0
					Sessional I					





W EE K No	Week	No. Of Lect.	Un It No	Exact Topic Name & Subtopic Topic Name & Subtopic Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no, Page no, edition. No	link for quiz or poll	n Date	Date	
	28 Feb- 4 Mar 4	4	IV	Data Compression: Need for Data compression - General Data compression Scheme - Compression standards - Non-lossy compression for images Lossy compression for Photographs and video - Hardware Vs Software Compression.	p[erform Activity in	Fundamental of Multimedia - Ze-		58-85 58-85 52-05		
Control or the plants of the Control				Gray Scale image compression, Color, Gray Scale image compression - JPEG, video image compression Requirements for Full-motion Video Compression - MPEG Audio compression - Fractal compression - advantages / disadvantages.	Activity in lossy Compression Drew ,PHI - MPEG -	Nian Li & M. S. Drew ,PHI		3-3 5045 8045		
	7 feb to	5	v	Data and File Format Standards: Popular File Formats - RTF, RIFF, GIF, PNG, TIFF, MIDI, JPEG, JFIF, AVI, WAV, BMP, WMF, MIX, MPEG standards - TWAIN. Multimedia Databases, Storage and Retrieval Database Management systems - Database Organization Transaction management for multimedia systems		Fundamental of Multimedia - Ze- Nian Li & M. S. Drew ,PHI		424 88 0 8 0 8 0 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	2 32	
	4 mar- 7 mar	4		Multimedia Skills: The Team - Project Manager Multimedia Designer - Interface Designer Writer - Video Specialist				14-0	3	

P

HOU

00/m

Dr. Milind Khanapurkar Principal Maharih Kare Stree Shikana Saneha'i Tunnis Collego d'Espineng'i Wha en Ngay Nagari Haya



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acamen with a difference



CCOEW/CE / 2021-2022

Date: 29/ 12 / 2021

LESSON & TEACHING PLAN for Distributed System & Grid Computing

						1	Department	of Compute	r Engineering		1			Sem:
Fac	ulty Na	me: l	Prof.	S.Kha	amankar				Sub: [Sec:	Year:	2021-2022	VIII
WE EK No.	Wee	No k O	f	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Book - Chapter no. Page	link for quiz or poll	Completi on Date	Assignment/T utorial Date	AC's sign
W. 7					Motivation and goals Overview and advantages of DS				Plan to divide class into at least two group and			13112000		
					Characteristics-Absence of global clock				announce a competition for most points on a			1811/122		
1	17 Ja:	1 7		I	State (Local and Global), Possibility of large network delays		DSGC-01	DSGC-V1- 01	practice test. Let them study a topic together			1911282	4	8
					Scalability, security				and then give that quiz, after			201122	1 - 1 - 1 - 1 - 1	3/
					Resource management				each round, let them study the			211122	Ĭ	2
		\vdash	\dagger		Time and Global States-Introduction	n			THOM Study the			24/1/22		
				t	Clocks,Events and process states			-				25/1/22	Ja	
2	4 Jan-	5		S	Synchronizing Physical clocks		* 2	*	for understanding			27/11/2		
2	9Jan			L	ogical time,Logical clocks				the concept of clock			28/1122		
				GI	lobal states		OSGC-02		forming the group of 5			28/1122	,	
	1		II	Di	stributed debugging			DSGC-V1- 02	student and setting the clock			3 1 22		

WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Book - Chapter no. Page	link for quiz or poll	Completi on Date	Assignment/T utorial Date	AC's sign	-
	31 Jan-			Coordination		S	6.45.467.427.66.674.66.67	and dictacting the message to	A STATE OF THE STA	None and Control None of	3111122			
3	5 Feb	5		Agreement		A	d .	each group and let them synchronise with			3111122	•	Y	
				Distributed mutual exclusion				that message			112/22			
				Token based algorithm							3742	Assignat		
				Lamports Algorithm							3/2/22		\$	1.
4	7 Feb- 11 Feb 5	23	Ricart Aggrwala Algorithm				for			4/2/22		12	1	
			Suzuki Kasamis Algorithm				understanding the concept of			5/2/22		1/2	5/02	
		ш	Raymond Tree based and Singhal herustics algorithm		DSGC-03	DSGC-V1	shared memory board consider as a shared	"Distributed Operating		5/2/22		<u> </u>		
			""	Introduction			03	memory and student allow to	system" M.A.Ansari		912122		1	
5	14 Feb			Distributed file systems, Design issues				write anything on it like	chap 6		9/2/22			
3	19 Feb			Distributed Shared Memory				message ,note etc.			10/2/2		1/	
				Introduction to middleware technology							10/2/20		1	
	28 Feb- 5 Mar				21	Feb-25 F	eb Sessio	nal -I		1				
				Design issues				middelware and			14/21	22		
ĺ				Implementation issues				mostly used technology so			15/2/2	2e		1
/		5	III.	CORBA Case Study			Callege of English and State of the State of	giving the student middelware as	a Distribute	d	16/2	n		

W EI No	1	k Of Lect	No.	Exact Topic Name & Subtopic	Topic	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Book - Chapter no. Page	link for quiz or poll	on Date	Assignment/T utorial Date	AC's sign
	-	1		RMI-Remote Method Invocation		Construction of the Constr		topic and study	system consept and		13/2/2		\mathcal{A}
				CORBA services		DSGC-03	DSGC-V1- 03		design forth edition by		18/21		+
				Grid Computing					George Coulouris.		28/2/2	4	\coprod
	7Mar-			Grid Computing models					Chap 8,18		2/3/2	-	\coprod
	11 Apr MAR	4	IV	Protocols, Types of Grid							3/3/22	-	₩
				Desktop Grid,cluster grid							3/3/22		\coprod_{a}
				HPC Grid,Data Grids		- a					4/3/22		(0)
		nr- 9 5		Message Passing Interface (MPI)				understanding			7/3/2		
9	14 Mar-			Procedures,				the concept of	"Grid Computing"				
1	19 Mar			Arguments ,Data Types				grid computing by real time	Ahmar Abbas PDF from		19/3/2		\
				Processes ,Platform independence				example of solar plant	Internet		113122		
			v	Error Handling							15/3/22	Assigned	
				Point-to-Point Communication							161312	30	
11	21			Collective Communication							171312		
	7Apr	Apr- 5	1	Error Handling				for message passing student			1813)2	/	
			I	Platform independence				will chat on			2012/2	1	
\downarrow			P	rocess Technologies			DSGC-V1-	whats appone to one there will	se "Cloud		500		1
			Ir	ntroduction of cloud computing		DSGC-05	05	be message passing one to	Computing " PDF from Internet		228/31		
			C	haracteristics,Benefits of cloud				all there will be collective			1		





WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Book - Chapter no. Page	link for quiz or poll	Completi on Date	Assignment/T utorial Date	AC's sign
11	21 Mar- 25 Mar	5		Cloud models Service models : IaaS, PaaS, SaaS				communication	na adikian ka		22/18/2		
			VI	Deployment models Public cloud							325337		à
2 1	28 Mar- 31 Mar	5		Private cloud Hybrid cloud Community cloud Cloud Architecture		DSGC-06	DSGC-V1- 06	plan to give them case study on cloud	John.Rittingho use "Cloud Computing " PDF from Internet				
				Rivision									

Subject-Teacher

ADC.

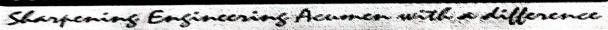


Dr. Milind Khanapurkar Principal Maharsh Kare Stree Shikshan Sanetha's Tumnies College of Expineeting for Moosen Hopps, Nagou-44719



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





LESSON & TEACHING PLAN for Engineering Physics

				Department of Co	omputer Engine	ering				
acu	alty Nam	e: Prof	. Shi	vani Mirase	Sub: Multimedia	ı Sysytem(Ele-IV)		Year: 202	21-2022	Sem:- VIII
W EE K No	Week	No. Of Lect.	Un it No	Exact Topic Name & Subtopic poli	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
		amilionación: de amilionación	- Complete C	Introduction : Definition of multimedia - Multimedia Basics - Where to use Multimedia - Multimedia Elements				141		
Military			Ediches Park Colored	Multimedia Applications Multimedia Systems Architecture: Multimedia Workstation Architecture - High resolution Graphic		Fundamental of		18-1		
1	17Jan - 21jan	5	MANAGEMENT FROM Deceding of the same	Multimedia Architecture Based on interface bus - Network architecture for Multimedia systems.	Open up Questioning	Multimedia - Ze- Nian Li & M. S. Drew ,PHI	American et al annual annual et en en en en en en en en en en en en en	19-1		90
White the transport of the las		and deposits of the second		Evolving Technologies For Multimedia Systems: Hyper Speech - HDTV and UDTV				80-1		200
ACTOR DE STREET STORT ST		en en en en en en en en en en en en en e	1	3-D Technologies and Holography - Virtual Reality - Video conferencing.				21-9		
				Hardware: Macintosh Versus Windows Platform – Gonnections -Memory and Storage Devices -Input • Devices -				24-		

Faculty in Charge



Dr. Millind Khanapurkar Principal Maharih Kare Stre Shishan Sanetha's Tunnies College of Agneering for Moster Managa, Augur-d'artic

HOD

W EE K No	(Week	No. Of Lect.	Un it No	Activity/ Refrence Book - link for go Victo Exact Topic Name & Subtopic poli Teaching Aid no edition. No	Activity/ OF LCOMPIBATION Virtual lab link O Late Teaching Aid	Refrence Book - media Chapter/no. Page	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sigr
4	8 Feb - 11 Feb			8-bit gray level images - 8-bit color images - Dithering - Vector Drawing - Vector-Drawn Objects		Multimedia - Ze- Nian Li & M. S. Drew ,PHI		2022 9-2		
				{vs.}Bitmaps- 3-D Drawing and Rendering – Color - Understanding Natural Light and Color -Computerized Color - Color Palettes - Color Look-up table.				3027 10-5		
			Ш	Sound: The Power of Sound - Digital Audio - Making Digital Audio Files - MIDI Audio - MIDI vs. Digital Audio			.	2022	Λ	
		!	5	Multimedia System Sounds - Adding Sound to Your Multimedia Project - Audio Recording - Keeping Track of Your Sounds			d	14~2		De
				Audio CDs - Sound for Your Mobile - Sound for the Internet. Animation: the Power of Motion- Principles of Animation				2025		03/0
5	14 Feb- 18 feb			Animation by Computer –Animation Techniques. Video: Using Video- How Video Works and Is Displayed - Analog Video	**************************************			४०वर	1	
				DigitalVideo, Displays - Digital Video Containers - Codec				२०२२		
				Video Format Converters - Obtaining Video Clips - Shooting and Editing Video.				2 2		
6				· · · · · · · · · · · · · · · · · · ·	Sessional I					





W EE K No	Week	No. Of Lect.	it No	Exact Tonic Name & Subtonic link for you	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's si	gn
				Data Compression: Need for Data compression - General Data compression Scheme - Compression standards - Non-lossy compression for images			a.	5077 52-01		7	to the second of
7	28 Feb-	4	IV	Lossy compression for Photographs and video - Hardware Vs Software Compression.	p[erform Activity in	Fundamental of Multimedia - Ze-		58-85 58-85			
distribution of the second	4 Mar			Gray Scale image compression - JPEG, video image compression	lossy Compression	Nian Li & M. S. Drew ,PHl	,	2025 ₹ •3			
Control Statement Statemen				Requirements for Full-motion Video Compression – MPEG - Audio compression - Fractal compression - advantages / disadvantages.		•		4045 3-3			
				Data and File Format Standards: Popular File Formats - RTF, RIFF, GIF, PNG, TIFF, MIDI,				4-3	2		
	distribution of the second			JPEG, JFIF, AVI, WAV, BMP, WMF, MIX, MPEG standards - TWAIN.		Fundamental of		202	2	1	7
<i>z i</i>	feb to 1 Mar	5		Multimedia Databases, Storage and Retrieval		Multimedia - Ze Nian Li & M. S	1	800	3 4		79
			v	Database Management systems - Database Organization		Drew ,PHI		9-3		1	
				Transaction management for multimedia systems				10- 20-2			
				Multimedia Skills: The Team - Project Manager				11-0	22	_	-
14	mar-	4		Multimedia Designer - Interface Designer		4		14-0)
17	mar	*		Writer - Video Specialist	_	Line	-	По		~	/







WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Ssignm ent Tutorial And Date	C's sign
8	10/05/22 11/05/22	3	3	XML Parsere, Database.						-	202	2017	1
9	16/05/22 18/05/22	3	A STATE OF THE STA	Validation: Uderstanding Validation, The Validatin controls Rich Controls.					Complete Reference HTMI CSS Fith Editior		202		
7 64 1	23/05/22 25/05/22	3	4	The calender AdRotator, Pages with Multiple view.					C33 Tiai Zamo		25002	 	-
11	30/05/22 01/06/22	3	and the second s	User controles and Graphics Dynamic Graphics.					Complete Reference HTM	L	2002	-	-
	06/06/22 08/06/22	5 -	graf (day t statement) is the matrices	Styles, Themes and Master Pages: Styles, Master page basics	The state of the s				CSS Fith Edition		2012	-	gir
	13/06/22	1 1	5 polyproposas as reconstructive and section of the	Direct Data Access, Single value data binding, Tepeated value Data Binding, Website Security.					Complete Reference HTM	L	15-06	3	
12	20/06/22		A STATE OF THE PROPERTY OF THE	ASP.net Security Model, Forms Authentication Windows Authentication.	The same of the sa				CSS Fith Edition	on l	2012	2022	}
13				27/06/22 to 02/07/22	and the second second second second second second second second second second second second second second second				Sessional - II				





Subject Teacher

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
	09 Sept			Equivalence between two FSM's	4	t_03			Languages, and Computation 3rd Edition, by John E.		09/09		
				Moore and Mealy machines	CE5TOCW0	MO_CE_ppt_0		(Uisng 2D Arrays)	Hopcroft and J. Ullman Page No. 60				
	13 Sept - 18 Sept	5		Interconversion between Moore and Mealy machines.	4D180921L1 9	4			to 77		18/09		
				Introduction to Regular languages and Regular expression Regular set, Regular Expression and Regular languages smaple examples.				(set Theory)	Introduction to		2419		
5	20 sep- 24 sept	5	п	Regular expression examples. Equivalence and Inter Conversion between Regular Expression and FA.	CE5TOCW05 D240921L24	RE_CE_ppt _05			Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J.				65
				Identity rules and manipulation of Regular Expression Interconversion of RE and FA.				(De morgans Law)	Ullman Page No. 79 to 105		०२/७		
6	27 Sept 02 Oct	1	II	Interconversion of RE and FA. Closure Properities of Regular set and Chomsky Hierarchy.	CE5TOCW06 D021021L29	REFA_CE_ ppt_06							5 11 341 (F)
7		# 5 E			S	essional -	· I (04 O	cto to 09	Octo 2021)				
8	11 Octo	5	II	Conversion from RE to RG and Right Linear to Left LinearConversion from Regular Grammar to FA, conversion for Left to Right linear Grammar Pumping Lemma for Regular Grammar.	CE5TOCW0 8D161021L3 4				Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No.105 to 154				
0	18 Octo	5	111	Introduction to CFG and derivation Trees. Left Derivation Tree and Right Derivation Tree.	OCM/10D3310	CFG_CE_pp		(using data structure STACK)	Introduction to Automata Theory, Languages, and Computation 3rd				







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Sharpening Engineering Acumen with a difference

				LE	SSON & TEA					2	
		- 4			Departn	ent of Computer	Engineering				Sem:-
Facu	ılty Nan	ne: Su	priya	a Gupta		Sub: Expert Syst	tem Design (Ele-IV)		Year: 20)21-22	VIII
W EE K No	Week	No. Of Lect	Un it No	Fyact Topic Name & Subtopic	Video ID ⊲	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
октополинация принамення применення	referense Reconstruction (Construction Construction Const	ANNOTATION OF THE PROPERTY OF	Introduction : Expert system and AI		Open up Questioning			17/1/22			
**************************************	7 : 0	20	Bendichte Frieder de de construction de la construc	Characteristics of ES		details of AI	Principal of Expert Systems		19/1/22		
	7 jan - ***********************************	5		Expert system structure		University paper	by Peteer and linda		26/1/22		
The Control of the Co	Mercal college college commence and an			hurestics reasoning				~ (201/22		'AY
ANTI-A MANAGEMENT AND ANTI-MANAGEMENT AND AND AND AND AND AND AND AND AND AND	NEVY AZZINGA BERGERANDA (AZZINGA)		l	user interface		Examples			21/2/22		10
	Weens of the second control of the second co	Control Contro	1	logic and resolution propositional logic			009		24/1/22		

Faculty in Charge





HOD

W EE K No	Week	No. Of Lect.	Un it No	Actually Refrance book	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
		A delinearing application to the control of the con	en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	first order predicate logic		Machine learning discussions	Principal of Expert Systems	2100	25)1)22		
2	24 jan- 29 jan	5	OR TORNOGRAPHIC BEING BE	causal logic form of logic			by Peteer and linda	Q 10	25]))2		
e e e e e e e e e e e e e e e e e e e	теготория в подавления в подав			resolution and propositional logic					27/1/2	ment	
POUR PROPERTY CONTRACTOR	antico de dispersanto	2000		resolution and first order predicate logic (PNP)		The state of the s			28/1/22	Tutori	a
3 3	31 jan-5	5	11	resolution strategies resolution strategies			Principal of Expert Systems by Peteer		31/1/2	2	
	feb			inference rules Resol with logi			and linda		2/2/2	22	
			ļ	Production Rules and Inference					3 2 4 2	percentage of the second	
	The second secon		ŀ	(nowledge representation in a pro	duction syste	em	Principal of		8/2	122	

College of English Rapes Hopes 441111



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Date: 10/01 / 2022

					Department of	of COMPU	TER ENGIN	LL PROGRAMM EERING		$\overline{}$			
culty	Name: Pr	of. SHA	LESH S	SAHU			Sub: L	Jnix and Shell P	Programming	Sec: -	Year: 202	21-22	Sem:- VIII
WEEK Na.		No. Of Lect.		Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent Tutorial Date	AC's sign
1	10/01/22 15/01/22	6		General Overview of the system: System Structure (Architecture of UNIX Systems). User Perspective (The file system, Processing Environment.)		Luch 33					-		
2	17/01/22 21/01/22	5	1	(The file system, Processing Environment.) (Building Block Primitives), Operating systems services. Assumption about hardware (Interrupts and Exceptions, Processor Execution Levels, Memory Management).	CE8USPW01D 060221L01	PPT1		UNIX COMMANDS	The Design of Unix Operating System by- M.J		21-01-2022		
3	24/01/22 29/01/22	5	2	Introduction to kernel: Architecture of the UNIX Operating System (Block Diagram of the system Kernel). Introduction to system Concepts (An Overview of the File Subsystem, Processes-State and Transitions). Kernel data structures, System administration.	CE8USPW011 200221L12	D USP-KA			Bach (4-36)		05-02-202	01/02	

_			,		Maria San San San San San San San San San Sa	-							
WEEK No.	Week	Na. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent Tutorial Date	AC's sign
4	31/01/22 0 5/02/22	6		The Buffer cache: Buffer headers, structure of Buffer pool, Scenarios for retrival of a buffer.(Scenarios no. 1 to 5) Reading and writing disk blocks. Tutorial.					The Design of Unix Operating System by- M.J Bach (38-56)				
5	07/02/22 11/02/22	5	3	Internal representation of files: Inodes (Definition, Accessing Inodes, Releasing Inodes).Structure of regular files.	CE8USPW01D 060321L23	USP-BC- PPT3		C PROGRAM	The Design of Unix Operating System by- M.J Bach (38-56)		11-02-2022	2	
6	14/02/22 19/02/22	6	3	Directories.conventions of a path name of nodes (Algo-namei). Super block.Inode assignment to a new file (Algo-ialloc). Allocation of a disk block, other file types. Tutorial.	CE8USPW01D 120321L29	USP-IN- PPT4		C PROGRAM	The Design of Unix Operating System by- M.J Bach(67-88)		19-02-2022		
7				21/02/22 to 26/02/22	Состояння в под под под под под под под под под под			S	essional - I		No amount of the state of the s		
8	01/03/22		4	System calls of the file systems: Open, Read, Write. File and record coding seek.close, file creation, creation of special fileschange directory, root, mode and owner. stat, fstat, pipes, dup mounting and unmounting file system, File system abstraction and maintenance. Tutorial.	CE8USPW01D 260321L34	USP-IN- PPT4		UNIX COMMANDS	The Design of Unix Operating System by- M.J Bach(67-88)	MAG. 40 See (1) See (1) See (2		2012	- 90





ubject Teacher

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent Tutorial Date	AC's sign
9	07/03/22 11/03/22	5	5	The structure of the Processes:Process states and transitions Layout. Layout of System memory, Contex of the process, saving the contex of the process.	CE8USPW01D 030421L39	USP- FSC- PPT5		C PROGRAM			11-03-2022		
10	14/03/22 19/03/22	6	5	Manipulation of the process address space, sleep. Process control-Creation. Signal, termination, awaiting process termination, Invoking other programms. UID of a process, changing size of process, The shell, the system boot and the INIT process. Tutorial.	CE8USPW01D 090421L45	USP- FSC- PPT9		C PROGRAM	The Design of Unix Operating System by- M.J Beach (91-140)		19-03-2022		
11	21/03/22 25/03/22	5	6	Interprocess Communication: Process tracing, System V IPC.Network communications, sockets. Managing the system and network connection in any LINUX version: Monitoring resources, Mastering Time.	CE8USPW01D 170421L50	USP-SP- PPT10		C PROGRAM	The Design of Unix Operating System by- M.J Bach (147-151 & 227-238)		25-03-2022		35
12	28/03/22 31/03/22	4	6	Managing boot process, Controlling startup and Run levels. Configuring networks from the GUI, Managing Network Interface cards, Connections: using wireless connections, Troubleshooting network problems. Tutorial.	CE8USPW01D 230421L56	USP-PC- PPT11		C PROGRAM AND UNIX COMMANDS	The Design of Unix Operating System by- M.J Bach (147-151 & 227-238)		31-03-2022	3)	
13		STATE OF THE PERSON OF THE PER	mest number	04/04/22 to 09/04/22	t kitaliwa ji risti tektokot palati-swi-spensi intilik, i ereczy kuloli	give the surface in the surface of t	Satti sine surredikishini prinsis Sanat Satti	sectorista danolina inquesi u chi di predicti	ssional - II	there are not to a security of a first con-	andri i signareth mar i swiss saga tha about this more et	kventum seitustokon tara jonata	ène in Cle reseaux d'Ottobe à la



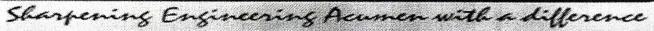






Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





LESSON & TEACHING PLAN for Bio-Informatics & Cyber Security

			1 25		Departn	nent of Compute	r Engineering				
Facu	ilty Nam	e: Prof	f. Sha	arayu Deote		Sub: Bio-inform	natics and cyber Sec	urity(Ele-IV)	Year: 2	2021-22	Sem:- VIII
W EE K No	Week	No. Of Lect.	Un it No	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
				Introduction: History of Bioinformatics, Bioinformatics application		Open up Questioning			13/0//2		
1	10 Jan - 14jan	5	1	Biological information resources			Will talk to Nursing College		, !		
	14јан			retrieval system	*]					
				Knowledge Discovery and							5/
				data mining, data chracteristic		Examples	4				
-9362290400		***************************************		and presentation							Martine and American American
				Protein Information Resources: Biological databases, P		Security regarding issues faced by			18/01/12		







W EE K No	Week	No. Of Lect.	Un it No	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
2	17 Jan - 21 Jan	5	1	Primary sequence database	2	girls	Cryptography & network security by William				
				ptorein sequence database			stalling			Assign ment	
			ercalentere compression de la compression della	Secondary database						01	
				Protein database		— purancumananananananananananananananananananan		gadamustangi sanis minashiran yani minaperi nazion di nari mari 1944 di nati mina		Tutoria I	
3	24 jan - 29 jan	5	11	Quantitive randomness	9		Cryptography & network security by		24/01		
	27 jun		Name of the last o	data analysis tool selective			William stalling				
				Structure classification DB		— pagaamusumususususususususususususususususu					4
				Data mining and pattern matching Methods		GD on implementation of algorithm	-				AND THE PROPERTY OF THE PROPER
4	31 Jan - 05 Feb		I	Technology overview,		particular in the contract of	-				120
				infrastructure pattern recognition &							
				discovery,machine learning,					05 02		







W EE K No	Week	No. Of Lect.	Un it No	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
				text mining & tools							
Section of the sectio	***************************************			dot matrix analysis			*				
STATES OF THE PARTY OF THE PART	7 Feb-11	5		Substitution matrix			* '				
SAWASCOLONO DELL'AND	feb			, dynamic programming, multiple sequen	, and the second				07/02		
AND PROPERTY OF THE PARTY OF TH			3	Modeling, Simulation & Collaboration Drug discovery							
				fundamentals, protein structure,							
	14 Feb- 19 Feb	4	3 1	System biology, collaboration & communications,		Disscussion online frauds					
	I) ICB			standards, Issues.					- Into		The state of the s
		1 1		Bioinformatics tools Introduction					11/02		
SOCIECTO STATE OF THE STATE OF						Sess	sional I 21 0	2 to 25/	02		The same
Management of the Parket				working with FASTS					14/02	1	
MANAGEMENTS				working with BLAST,							
SETTEMBER	21 Feb-	5	IV	FASTA		N/w Security	<i>'</i>				
STATE STATE OF THE	25 Feb			BLAST algorithm					1910	V	
				comparison.							
				Pre-requisites in information and network security							
Ea	culty	in C	ha	and network security	a Confession of the Confession	Dr. M.	Mind Managurar Princip	OD			_





EE K No	Week	No. Of Lect.	Un it No	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
				Overview of Networking Concepts							
				Conceepts information security							
	And in the control of			Network Based Systems.					28 02	Tutoria I	
				Security threats and vulnerabilities							
	electric strandol and a			Cryptography / Encryption,							CONTRACTOR OF THE PARTY OF THE
10	7 mar-	6	v	Security management			Cryptography & network security by				
	11 mai			Encryption techniques			William stalling				
				RSA &]					
				D-H ,DES					11/03		
			VI	Information and network security]					me -
				Intruders							31
11	14 Mar- 19 Mar			Intrusion detection,					and the second		
				Password management,							
	age (Scott constraints)			Server management system					18/03		
					4						







W EE K No	Week	No. Of Lect.	Un it No	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
				Security for VPN andTechnologies						Ass 03	
				Next Generation		_	2		1		
12	21 Mar - 25 Mar	5	VI	Security: Security Architectures,			e Programme de la companya de la companya de la companya de la companya de la companya de la companya de la comp		25 03		
Augustines de la company de la			es alonganismos sa enclosos es	System Security, OS Security ,			* * * * * * * * * * * * * * * * * * *				
og control of the con			Deletable Sept	Wireless Network and							
			and the second	Security	,]	ı	
						Session	onal-II				

Sub. Teacher

Hinger William Respectively

Dr. Millind Khanapurkar Principal sharsh Karve Stee Shikshan Sanetha's melias College of Engineering for Women Hingas. Nappur-46119. Ac Ac

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic; o	Video ID	Activity/ Virtual lab link Teaching	Refrence book - Chapter no. Page no, edition. No	link for quiz or poll	Completion Date	Assignmen t/Tutorial Date	1,000
12	25 Apr-30 Apr	5		Operand addressing Discussion on University asked Questions (3 Units)				1	12 4 2022 3 4 2022 8/4 2022		
And a second				Assignment no-3				. 18	3/4/22		1
				2 May-	7 May So	essional -II					VI

Galleye of English Magna, Magn



Corquidit .

A.C

HOD

W EE K No	Week	No. Of Lect.	Un it No	Activity Refrence Sook Virtu Exact Topic Name & Subtopic Teaching Are no ention. No	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
2	24 Jan - 28 Jan	4	II	Output Hardware - Communication Devices Basic Software Tools: Text Editing - Word Processing - OCR Software - Painting and DrawingTools - 3D Modeling and Animation Tools - Image Editing - Sound Editing.		Multimedia - Ze- Nian Li & M. S. Drew ,PHI		25-1	-	
			11	Animation – Video Digital Movie tools Word Processors - Spreadsheet				28-1		
			-	Movie Editors - Compressing Movie Files Making instant Multimedia	For	Communication Commission		21 - 31 -)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
3	1 Feb -	4		Making instant Multimedia: Linking Multimedia Object – office suites- – databases	Understanding The Concept of Multimedia,	Animation - Mala	y	F01-		1 7
3	4 Feb		- 1	presentation tools – power point Multimedia authoring tools	And Multimedia Tools	K. Pakhira PHI New Delhi - Second edition		85		
				Types of authoring tools – card and page based authoring tools – Icon based authoring tools – Time based authoring tools.	100.3			3-		
CORTOLA COMMISSION CONTINUES (CONTINUES)		5		Fext: - Using Text in Multimedia - Designing with Text Hypermediaand Hypertext - The Power of Hypertext				21	२२	
er et dige east from en en gest dige ande			ŀ	Jsing Hypertext - Hypermedia Structures - HypertextTools, Images: Making Still Images — Bitmap 1 bit images	os	Fundamental	of	8	-2 2024	1

Faculty in Charge

HOD



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan

	COEW/ Department of Compo	uter E	ngineering		DSG	С			Depa	artment: CE	Sec tio
	1	-			-	Batc	nB 1		Bat	ch B 2	
Pi	Name of experiment	Lab ID	Possible variations used	Link for virtual lab	Plann ed Date	Perfor m Date	No. of Viva done and link for viva questions	1	Perfor m Date	No. of Viva done and link for viva questions	Ac's Rem ark
pr) print				print	fill	fill	print	fill	fill	fill
1	Write a program in JAVA for				17/1/2	1711		81112	181)		
2	Write a program to implement the concept of Lamport's clock in C.				2411	24'1		ઝા	راكا		
3	Write a program to implement the concept of Vector's clock in C				31]]	311/		112	112		
4	Write a program in C to implement simulation of distributed mutual exclusion.		For each practical I		7/2	7/2		8/2	8/2		
5	Implement "JAVA RMI" mechanism for accessing method of remote system		created extra practical list which I	Given task then to find various editior in which they can perform the	1412	1912		15/2	15/2		9
_	Implementation of CORBA nechanism.		mailed to students for variations	<u>practical</u>	2112	2112		VZL	nl		





7	To study guidelines toolkit for modeling and simulating grid computing environment	
8	Installation and configuration of Hadoop	
\vdash	Develop a web page to play video	
9	file using <embed/> Tag.	
	Squid installation and configuration	

			_				_
{	28/2	28/2		113	113		
	7/3	213		813	813		
	1413	1913		18/3	15/3		M
		2113		2213	nB	_	

9/18/2

Súbject-Teacher

(S)

AC



Dr. Milind Khamapurkar Principal Mahash Kare Stree Shishan Sanetha Junnius College of Egopheeing for Mont

LESSON & TEACHING PLAN for Software Engineering and Project Management

					Departm	ent of Cor	nputer E	ingineering					
Facu	Ity Name:	Prof. A	bhilash	na Borkar				Sub: SEPM		Sec	Year :	2021-22	Sem:- \
WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sig
		e de la composition della comp		Introduction,CO Discussion evolving role of software	CE6SEPMW01D01221L01				"Pressman R.,		112	OTHER	1
	-	Targer State of State		software characteristics	CE6SEPMW01D02221L02	1		,,,	""Software		2/2		
1	1 Feb -	6		software myths	CE6SEPMW01D03221L03	SEPM_p		Using various examples for	Engineering, A		312		\mathcal{T}
1	5Feb			software process,software	CE6SEPMW01D04221L04	pt_01		models	Practitioners		4/2		1
		Control of the Contro		engineering software development phases	CE6SEPMW01D05221L05	1			Approach"", Tata MCGraw Hill		4/2/	11/2	1
	of an investment of an	No. of Concession, Name of Street, or other Persons, or other Pers	I	Software development prizes	CE6SEPMW01D06221L06				Publication pg		412	7	
		ATT TO THE PERSON NAMED IN COLUMN TO	1		CE6SEPMW02D08221L07				34,36,45,53,54,71,		7/2	a supplementary of the supplem	
		and the same of th		waterfall model,RAD model	CE6SEPMW02D09221L08]			79,80,81,83,86,88,		812		
2	7 Feb -11 Feb	5		prototype model incremental model	CE6SEPMW02D10221L09	SEPM_p pt_02		1	106,110"		9/2		
	reb	And the second		spiral model, WINWIN spiral	CE6SEPMW02D11221L10] Pi_02					10/2	And the same of th	
	Bulletin spring	Property of		model,concurrent,agile process	CE6SEPMW02D12221L11			улаган	***************************************		11/2/		
				System Engineering:	CE6SEPMW03D15221L12						14/2 1		
		1		Hierarchy Business Process and Product	CE6SEPMW03D16221L13				Pressman R.,		1512		
3	14 Feb -	6		Engineering: Overview	CE6SEPMW03D17221L14			Actiity and state diagram for any	"Software		16/2		
	19 Feb			Requirements	CE6SEPMW03D18221L15			problem statement	Engineering, A		17/2		1
1		- 1		Engineering,Initiating the	CE6SEPMW03D19221L16	SEPM p			Practitioners Approach", Tata		18/2	•	1 3
1			II	process,	CE6SEPMW03D20221L17	pt_03			MCGraw Hill		21/2	73.	
**************************************	a constant				CE6SEPMW04D22221L18]			Publication pg 157		23/2		
1	1 5-1			Negotiating,	CE6SEPMW04D23221L19			Elicting	162,176,181,184,1		2412		
8	21 Feb - 25 Feb	5		Validatingrequirements	CE6SEPMW04D24221L20			requirement for	96,208,218,226,23		25/2		
-	-0100			requirements	CE6SEPMW04D25221L21			mini project	3		28/2		
Kitakenaka	•			Requirements	CE6SEPMW04D26221L22			•			28/2	` \	





Dr. Millind Khanapurkar Principal Maharah Karis Stres Shishan Saneti Junnies College of Engineering for Mills Minga, Nappur (1978) 413,713

WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPL ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	nk for gulz or poll	Date	Assignment/ Tutorial Date	AC's sign
5	28 Feb 5 mar 7 mar - 11 mar	6	111	Design Process Design Principles, and Concepts Effective Modular design, The Design Model: Data, Architectural, Interface design Assabitantural, Danians, Softwarea Architectural Styles & Design Interface Design: Rules User Interface Analysis and	CE6SEPMW05D01321L23 CE6SEPMW05D02321L24 CE6SEPMW05D03321L25 CE6SEPMW05D04321L26 CE6SEPMW05D05321L27 CF6SEPMW05D06321L28 CE6SEPMW06D08321L29 CE6SEPMW06D09321L30 CE6SEPMW06D10321L31 CE6SEPMW06D11321L31	SEPM_p pt_04		ACD diagram for any problem statement	Pressman R., "Software Engineering, A Practitioners Approach", Tata MCGraw Hill Publication pg 261,265,274,291,2 98,337,361,373,32		7/3 9/3 11/2 9/3 7/15 9/16 9/16 9/19	COMPANY OF THE STREET AND	
7	14 mar - 19 mar	6					S	essional I		Water and the same	and the second s	o jasagananino ontono mene	in all year growth to make property and the
8	21 mar - 25 mar	5		Testing Tactics: Testing Fundamentals Control Structure Testing Black Box Testing. A Strategic approach and Strategic Issues of testing	CE6SEPMW08D22321L33 CE6SEPMW08D23321L34 CE6SEPMW08D24321L35 CE6SEPMW08D25321L36 CE6SEPMW08D26321L37	SEPM	0	One object assign to students and tells possible test cases for the same	Pressman R., "Software Engineering, A Practitioners	parasigajos etimosida (PCO) aparasiantidos (PCO) politico de la constantido (PCO) politico de la constantido (PCO) politico de la constantido (PCO)	614	THE PERSON NAMED OF THE PERSON NAMED IN	
,	28 mar - 2 apr	5	IV	White Box Testing: Basis Path TestingUnit Testing Integration Testing Validation Testing, Debugging	CE6SEPMW09D2912H.38 CE6SEPMW09D3012H.39 CE6SEPMW09D3132H.40 CE6SEPMW09D0142H.41 CE6SEPMW09D02421L.42	pt_05			Approach", Tata MCGraw Hill Publication pg 393.394,397,406, 11,421	**************************************	12 119	4	
1	5 apr - 9 apr	5	v	Management Spectrum: 4 P's Critical practices Metrics in process and project domains software measurement, metrics for software quality.	CE6SEPMW10D05421L43 CE6SEPMW10D06421L44 CE6SEPMW10D07421L45 CE6SEPMW10D08421L46 CE6SEPMW10D09421L47	SEPM			Pressman R., "Software Engineering, A Practitioners Approach", Ta	ta	90 21 11 21	14	
	11 apr - 16 apr	4		project planning objectives software scope and feasibility Decomposition Techniques Empirical Estimation Models Specialized Estimation tech	CE6SEPMW11D12421L48 CE6SEPMW11D13421L49 CE6SEPMW11D14421L50 CE6SEPMW11D15421L51		<u></u>	Decission tree problem staten	1029,044,030,00	,	27	10	

HOL

VE K	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Refrence Book - Chapter no. Page no, edition. No	link for quiz or poli	Da	etion	Assignment/ Tutorial Date	AC's	sign
1				Reactive versus Proactive S/w	CE6SEPMW12D19421L52						26	14		7	-
1	18 apr -			Risk	CE6SEPMW12D20421L53						21	6)0			
	22 apr	4		Risk Identification, projection, refinement	CE6SEPMW12D21421L54]		17	11			
1				RMMM, Task set for software	CE6SEPMW12D22421L55				Pressman R.,	CHINE DE ACADEMI	Ι.			1/_	-
+				defining a task network	CE6SEPMW13D26421L56				"Software Engineering, A	and the state of t	12	7/4		1	
1				scheduling, earned value	CE6SEPMW13D76421L57				Practitioners						
1		5	١	analysis Software Quality Factors SQA	CE6SEPMW13D28421L58	SEPM_			Approach", Tata			a law make house	are now a criminal interest in construction	1	
1		1	VI	Activities	CE6SEPMW13D29421L59	pt_07			MCGraw Hill			-		1	A
_	25 apr -			Activities	CE6SEPMW13D30421L60				Publication pg 727,737,737-		19	11			01)
5	30 apr		1		CE6SEPMW14D030521L61				740,716,722,749,	7	1	/			
	1			FTR, software configuration	CE6SEPMW14D040521L62				51,762,772,780		19	91	/		
	1	5		management the SCM Repository	CE6SEPMW14D050521L63							3/	4		
	1			SCM process	CE6SEPMW14D060521L64									1	
					CE6SEPMW14D070521L65						1			1	
10	2 may						SESS	IONAL II							





D

RNY



Mahaishi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Stargening Engineering Removes with a difference Date: 16/03 / 2022 LESSON & TEACHING PLAN for Web Technology CCOEW/CE/ 21-22 Department of COMPUTER ENGINEERING Sem:- IV Year: 2021-22 Sec: . Sub: Web Technology Faculty Name: Prof. SHAILESH SAHU Assignm Activity/ link for Refrence Book ent Completion AC's sign Virtual lab Chapter no. Page quiz or Tutorial Date Video ID OI 199 Unit link Teaching No. Of Topic ID Exact Topic Name & Subtopic poll WEEK no edition. No Date Week No. Aid Introduction to HTML: The Web development Process. Basic HTML 21/03/22 Complete 3 23/03/22 Reference HTML TAGS. Simple Hunl Forms, frames and **CSS Fith Edition** frame sets tags, web site structure. 28/03/22 3 30/03/22 Sttyle Sheets: Neef fro CSS, Introduction to CSS, basic Syntax 4/04/22 3 3 and streture using CSS. 6/04/22 Complete Reference HTML 2022 Background Images, colors and proerties, manipulating text, using **CSS Fith Edition** fonts, borders and boxex margins, 11/04/22 3 13/04/22 padding, lists, positioning using 0 CSS. 16-04 16-04 XML - Technologes, attributes, tree Complete 18/04/22 2022 XML Namespace. 2012 3 20/04/22 Reference HTML 3 **CSS Fith Edition** XML validation DTD, CSS, 25/04/22 3 Schema. 27/04/22 Sessional - I 2/05/22 to 9/05/22 7

Subject Teacher





LESSON & TEACHING PLAN CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR

COMPUTER ENGINEERING

Session:-2021-22

		occupation and the second	Session:-2021-22		Sem:-VI CE	and the boundary of	Subject: DBM	S	
Wee k Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignme nt/Tutoria I Date	AC's sign
1 1 Feb-6 Feb	6		UNIT I: Introduction to Database Systems Database Systems: Significance and advantages, Types of Databases, the DBMS Environment Limitations of File processing system,		1. Abraham Silberschatz, Henry F. Korth and S. Sudarshan, 5th Edition, McGraw Database System Concepts 5th Edition, McGraw		06 02		
8 Feb- 12 Feb	6	1	DBMS Architecture, Functions of DBMS, Data Abstraction, Data Independence, Formal relational query languages: Relational Algebra, Tuple Relational calculus, Domain Relational Calculus.	1.Drawing competition 2.Make group of 6 to 5 students , give copy of prepare comparative table for symbols used 3.Practice Query examples		20	15/0	2	1





Normalization of Database Tables: Need and 7. Activity pg no 201 to 302 Significance, the normal forms - 1NF, 2NF, 3NF, observe fault in 22 Mar from korth ,Ch no 6 III 6 to 26 datdabe design & 7& bipin desai BCNF, 4NF, 5NF, Mar and find solution 29/03 design, renormalization. design, renormalization. UNIT IV: Query Processing and Query 8. Comparision IVOptimization of operator רווועוווא עופ נטאנ Overview of Query Processing, Measures of of query Query cost, nrococcina 29 Mar Selection Operation 66 64 6 to 03 Apl Sorting, ch. No 13 & 14 Join Operation, pg no. 531 to 598 from korth Types of Join operation Operations, and Evaluation of Expressions. Overview of Query Optimization, Transformation of Relational 5 Apl Overview of Query Optimization, to 9 5 10 Transformation of Relational Aprl Expressions, Estimating Statistics of Expression results, Choice of Evaluation Plans, Materialized Views Tutorial





11	12 Apl to 17 Apri	6	v	Unit V: Transaction Management & Concurrency Control Transactions: Concept, Transaction Model, Transaction atomicity and Durability, Transaction Isolation, Serializability, Transaction Isolation Levels and Implementations Concurrency Controls: Lock Based Protocol, Deadlock Handling, Time-stamp Based Protocols, and Validation Based Protocols. Recovery: Failure	ch no 15 ,16, 17 pg no 509 to 713 from Korth	19/04
12	19 Apl to 23 Apl	6		Classification of log base recovery Classification of log base recovery Advanced Recovery Techniques. UNIT VI: Distributed Database Introduction, data distribution, object naming, distributed query processing,		20/04
13	26 Apl to 30 Apl	3	VI	Consistency, concurrency control, consistency, concurrency control, distributed commitment and recovery,	ch no 22 pg no 833 to 870 from Korth	





1	1	1	1	security and protection in DDBMS,				
				homogenous and heterogeneous systems		300	4	
				Internal Practical 3 May to 7 May	ay			
				Sessional -II 10 May To 15 May	у			

امر Subject Teacher



Dr. Millind Khanapurkar Principal Mahashi Kare Stres Shikshan Sanetha's Tumnias Collega of Expinenting for Woosen Woops, Nappu-447119



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Date: 23/8 / 2021

LESSON & TEACHING PLAN for Theory of Computation

	/AS / 21					Desertment	of Comput	heory of Comp er Engineering					T
			1 - h Co	h		Department	or compact		of Computation		Year	: 2020-21	Sem:-
	Name: P	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
HANKEN SERVICES AND THE PROPERTY OF THE PROPER		COLUMN TO THE PROPERTY OF THE		Strings, Alphabet, Language operations, Finite state machine definitions, Finite automation				(set Theory)	Introduction to Automata Theory, Languages, and		28/6		
1	23Aug 27Aug		I	model. Acceptance of strings and language, Non deterministic finite automation, Deterministic finite	CE5TOCW01 D270821L05	FA_CE_ppt _01			Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 35		25/8	The state of the s	
				automation. Design of Automation				(Examples)	to45	2	2218	P	
	energy energy and a second and	CAND AND STATE OF THE STATE OF		Design of Automation				(Examples)	Introduction to Automata Theory,	3	3018		AL.
2	30Au			Design of Automation	CE5TOCW0 2D040921L1	NFA_CE_pp t_02		(Examples)	Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J.		218	<u> </u>	09/
ARCOMONENTERO DE ANTRE DE ARCOMONDO DE ARCOM	Designation of the transfer of the contract of			Equivalence between NFA and DFA, Conversion of NFA into DFA					Ullman Page No. 45 to 55		418		
,	06 Se	pt - 4		Minimization of FSM	CE5TOCW0 3D090921L1				Introduction to		619	D	

W EE		No.	Un	Activity/ 2 from a Wood	***						
K lo	Week	Of Lect.	it No	Retivity/ PExact Topic Name & Subtopic eaching Aid 100,000 tion. No	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion n Date		AC's sign
	feb	5	III	Inference in a production system			Expert Systems by Peteer and linda	9/2/22	Section Section 1	Date	
and the same of th				Inference in a production system				10/2/22			
	CONTRACTOR OF THE PROPERTY OF			Pattern recognition and production	rules			11/2/22			
	Name of the Control o			Pattern recognition and production	rules		रीएन	-11/2/22			
	14 Feb			rules as a representation formalism			Principal of	14/2/22		1	San American Springers Comp
5	18 feb		STATEMENT OF THE PROPERTY OF T	rules as a representation formalism			Expert Systems by Peteer and	14/2/22			
			A THE RESIDENCE TO SERVICE THE	rules as a representation formalism			linda				
			_ III	rules as a representation formalism							
		New Management of the Control of the		Frames and Inheritance				15/2/22		19	Z
				Semantic nets				16/2/22			
5 3	21 Feb-	· 5		Frames and single inheritance			Principal of Expert Systems	17/2/22		/1	





HOD

W EE K No	Week	No. Of Lect.	Un it No	Activity Exact Topic Name & Subtopic reaching Aid recedition, No.	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
•	25 Feb			Frames and single inheritance			by Peteer and linda	17/2/22			
			and the second s	tree like frame taxonomies				18/2/22		NAMES AND PARTY	
7	No. of the state o	THE PART OF THE PA				Sessi	ional I				
	The book of the bo	одрамительником полиментальником полимен		exceptions inheritance and attribute facts inheritance and attribute fact	NA T		Principal of Expert Systems by Peteer				
8	21 Feb- 25 Feb		IV	Frames and multiple inheritance frames as a representation formalism			and linda	3/3/22			
	oraci banda kan	ANN AND AND AND AND AND AND AND AND AND	1	Reasoning with Uncertainty			and a second	7/3/22			1
	28 feb	um i da piranti i mis de capacida de capacidade de capacidade capa		Production rules			Principal of Expert Systems	7/3/22			
9	2	5	V	inference and uncertainty			by Peteer and				And the second decreases of the second
	D) To a description of the descr	Report Towns Control of the Control		probability theory				9/3/22			SD COLUMN TO THE
	PARTITION CARBON COLUMN	Control of the state of the sta		probability theory and functions				10/3/22		Tu	itoria
	The state of the s			conditional probabilities and Bayes' theorem	mese of in	3		10/3/22			

W EE K No		No. Of Lect.	it No	Activity Schence Book	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
10	7 mar- 11 mar	5	v	The subjective Baysian method conditional probabilities and Bayes' theorem application in rule based expert system the certainty factor model			Principal of Expert Systems by Peteer and linda	15/3/22 -21	С		
11	14 Mar- 19 Mar	1 5	V				Principal of Expert Systems by Peteer and linda	11/3/22 16/3/22 16/3/22 17/3/22 17/3/22 21/3/22			
	1 Mar - 5 Mar	5	VI	networks basic concept of neural network hybrid intelligence supervised and unsupervised earning, neural network learning iological neural system	3		Neural network in computer intelligence by Limin Fu	22/2/22 23/2/22 24/2/22 25/2/22 25/2/22		Ass 02	

College of English Hingan Magper-441118

W EE K No	Week	No.	Un it No	Activity Refusive Book - nExact Topic Name & Subtopic eaching Aid 100.00 from No.	Video ID		Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
		THE STATE OF THE S	opening and a second se	single and multi layer perceptrons		Sessio	nal-II		28/3/22 29/3/22 31/3/22		

Sub. Teacher

Ac





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Starpening Engineering Accords with a difference



CC0EW/CE/ 21-22

Date: 10/01 / 2022

LESSON & TEACHING PLAN for UNIX AND SHELL PROGRAMMING

					Department of	- CONIFO	200 100 100 100	Jnix and Shell I	Programming	Sec: -	Year: 202	21-22	Sem:- VIII
aculty WEEK No.	Name: P	No. Of Lect.		SAHU Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book -	link for quiz or poll	Completion Date	Assignm ent Tutorial Date	AC's sign
1	10/01/22 15/01/22			General Overview of the system: System Structure (Architecture of UNIX Systems). User Perspective (The file system, Processing Environment.)									
2	17/01/22 21/01/22			(Building Block Primitives), Operating systems services. Assumption about hardware (Interrupts and Exceptions, Processor Execution Levels, Memory Management).	CE8USPW01D 060221L01	PPT1	-	UNIX COMMANDS	The Design of Unix Operating System by- M.J		21-01-2022		
3	24/01/22 29/01/22	5	2	Introduction to kernel: Architecture of the UNIX Operating System (Block Diagram of the system Kernel). Introduction to system Concepts (An Overview of the File Subsystem, Processes-State and Transitions). Kernel data structures, System administration.	CE8USPW011 200221L12	USP-KA PPT2			Bach (4-36)		05-02-20	01/07	







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Slargening Engineering Acumen with a difference

Cummins
College of Engineersing
FOR WOMEN, MAGPUR

CCOEW/CE / 21-22

Date: 03/01/2022

LESSON & TEACHING PLAN for STQA

				Dep	partmnet o	f Computer E	ngineering				
aculty	Name: Pro	of. Abh	ilasha	Borkar					Sessio	n: (2021-22)	Sem:- Eight
K K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic-	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition.	ICT tools	Completion Date	Assignment/Tut orial Date	AC's sign
					Skill develop	oment(3-1-22 to	7-1-22)				
2	10/1/22- 15/1/22	1		Need of testing, Errors, Faults, Defects, failures, Unit Testing,Integration Testing, Central issue in Testing,Testing activities					1711 1811 1311 2011		
3	3 17/1/22 21/1/23	5	I	System testing, Objectives of Testing, V-model, Sources Of information for Test Cases, Monitoring & measuring test execution,			Software Testing & Quality Assurance by Kshirsagar Naik		2711		
4	29/1/22	6	II	Test Tools & Automation, Limitation Of TestingConcept of unit testing, Static unit testing, Defect Preventions.	£.	1. Make students Group and give them one object(pen,penci etc) & student will write test cases	& Priyadarshi Tripathi (Wiley)		2811 3111 112 212 312	Assignment 1	MC.
F	a¢ulty i	n Cha	arge	alles of tooling		Kondind	НÕD		412		/

						Activity/	Refrence Book - Chapter no.	ICT tools	Completion	Assignment/Tut orial Date	AC's sign
VEE	Week .	No. Of	Unit No.	Exact Topic Name & Subtopic	Topic-	Teaching Aid	Page no,edition.		812		
5	31/1/22- 05/2/22	Lect.	II	Dynamic unit testing, Mutation testing, Debugging, Unit Testing in extreme programming, tools for unit Testing,		1.Introduce students one automation tool for testing(ex. WinRunner,QTI 8.2,Loadrunner 8.0)	by Nageswara Rao Pusuluri		112 1012 1112 1212 1315	2 1012	
6	07/2/22- 11/2/22	5	ш	Outline of control flow testing, control flow graph, Path in control flow graph, Path selection Criteria			& Quality Assurance by Kshirsagar Nai & Priyadarshi Tripathi (Wile	k	141		506
7	07/2/22- 11/2/22	6		:All path coverage criteriaStatement coverage, Path coverage,Predicate coverage criteria, Generating Test input		Make student Group and give them one object(pen,perete) & stude will test differ	ve ncil nt		1512	2	
8	14/2/22- 19/2/22	5	TV	example of Test data selection,Introduction to Data flow testing, Data flow graph, Data flow Testing criteria Comparison of Data flow Test selection criteria.	,	Write simp program &tes their basic pa	IK SIIII 30 Bar .	aik i	15) 16' 17	12	
9	21/2/22-	+		300		Ses	sional I	of college	of English a		Kr. Dr. Milir

n	П
v	L
自	O



							-				
K No.	Week	Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic-	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition.	ICT tools	Completion Date	Assignment/Tut orial Date	AC's sign
10	28/2/22- 5/3/22	6		System Integration: Introduction,Different types of interfaces & interfaces errors, System integration techniques, Software & Hardware integration			Software Testing &		1812 2812 213 3133		,
11	07/3/22- 11/3/22	6		Test Plan for System integration,Off- the Shelf component integration, Taxonomy of system Test, Basic Test, Functionality test,Robustness Test			Quality Assurance by Kshirsagar Naik & Priyadarshi Tripathi		7-13 9-13 1913	Assignmed 3	
12	14/3/22- 19/3/22	5		Performance Test, Scalability Test, Stress Test, Load & Reliability Test, Regression test, Documentation test, Test Cases and Necessity of Test Case		,	(Wiley)		1113	16]3	
1.	3 21/3/22- 25/3/22	1 6	V	Functional specification based Test Case Design, Use Cases based Test Case Design, Application based Test cases Design, Levels of Test Execution, Acceptance criteria			Software Testing & Quality Assurance by		15/3 16/3 17/3 18/3		M
14	28/3/22- 31/3/21	4	V	Selection of acceptance criteria, Acceptance Test Plan, Acceptance test execution, Acceptance Test report, Fine views of software Quality, ISO 9126, ISO 9000:2000 software quality Standard			Kshirsagar Naik & Priyadarshi Tripathi (Wiley)		21/3 22/3 23/3 24/3 24/3		
15	04/4/22-					Session	nal II		1713		•









Maharshi Karve Sobe Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



EW/ETC 21-22

Sharpening Engineering Acumen with a difference Date: 20/08/2021 LESSON & TEACHING PLAN for Industrial Economics and Entrepreneurship Development **Department of Electronics & Telecommunication Engineering** lty Name: Dr. Priyadarshini Ramteke Sub:Industrial Economics and Sec: Year: 2021-22 Sem:- V **Entrepreneurship Development** Activity/ Virtual No. Of Refrence Book -Unit Assignment/ Week link for quiz **Exact Topic Name & Subtopic** Completion Video ID lab link Teaching PPt ID Chapter no. Page Lect. No. Tutorial AC's sign or poll Date Aid no, edition. No Date 20-25th 0 Sept Skill Development Introduction of the subject 27 Sept -27/9/21 2 2 Oct Definition of Value education 29/9/21 Need for value education 4/10/21 4 Oct - 9 2 The content& process of value Oct 13/10/21 education 11 - 16Basic guidelines of value 1 18/10/21 education 18 - 23Self exploration as a means of 1 20/10/21 Oct value education 25 - 30Happiness and prosperity in value 2 26/10/21 25/10/21 Oct education 1 - 6 Nov **DIWALI VACATION** 8 - 13 Nov SESSIONAL - I Harmony of self with body 28/10/21 15 - 20 3 Nov 30/10/21 Coexistence of self and body 15/11/21 H understanding the need of self and Kentin 17/11/21 22 - 27 body Dr. Millind Khanapu

N N F	inderstanding the activities of self and activities of body falues in relationship live dimensions in relationship						24/11/21		
m F	lalues in relationship						00 10 /01		
ın F							29/11/2)		
ııı	ive dimensions in relationship		1				1/12/21		
							8/12/21		
	The holistic perception of harmony in						13/12/2)		
	ericinae						13/12/21		
							15/12/21		
	Basies for ethical human conduct						16/12/2)	
IV	Dereves in ethical human conduct						27/12/2	1	
	lituman rights violation and social	1					28/12/2	1	Consistency of the Constitution of the Constit
	Value based life				College of Ingla	e e la	20/12/2	Knidir	<u>i</u> d
		Rasics for ethical human conduct Terfects in ethical human conduct filuman rights violation and social disparities	Basics for ethical human conduct	Wasies for enhicial human conduct Terfects in enhicial human conduct lituman rights violation and social disparities		Rusies for ethical human conduct Derives in ethical human conduct Human rights violation and social disparities Value based life	Perices in ethical human conduct Perices in ethical human conduct Human rights violation and social disparities Value based life	Basics for enhicial human conduct 15/12/21 16/12/2 16/12/2 18/1	15/12/21 16/12/21



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Acumen with a difference



CCOEW/CE / 21-22

Date: 23/9/2021

LESSON & TEACHING PLAN for Introduction to Computer Network

					Department of Com	puter Eng	ineering						
	y Name: F			Kitey				Sub: ICI	V	Sec	Year :	2020-21	Sem:-
EE	Week	No. Of	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity /	Refrence Book - Chapter no.	link for		Assignme nt/Tutoria	AC's si
CONTRACTOR OF THE PERSON OF TH				Introduction about	CE3ICNW01D10820L01					9.000	3279121	7	
				Subject.introduction to Data Communication and computer n/w –	CE3ICNW01D11820L02								
1	27Sept -	5		definition,characteristics,Components , Data Representation, Data	CE3ICNW01D12820L03	ICN_p			Data	-	28/9/21	/	
-	10ct-21			Flow,need of computer n/w,advantages and disadvantages,	CE31CNW01D13820L04	pt_01			Communicatio ns and	2	9/9/21		
			ı	goals and application of computer n/w,n/w hardware components,computer n/w criteria,	CE3ICNW01D14820L05				Networking by Behrouz A Forouzan Pg.	3	0 9 24		
				Discourse of Townson of	CE3ICNW01D17820L06				no.3 ,29-50,89 Computer	4	10/24		
	Andready range (1)			Physical Structure (Types of Connection, Physical	CE3ICNW01D18820L07				Network By Andrew S.	. 7	<110/21	- Common of the	
2	4 Oct-	5		Topology),Categories of Network (LAN,	CE3ICNW01D19820L08	ICN_p			Fanenbaum Pg No. 3-237				4
	9Oct 21			WAN, MAN,PAN,CAN),Classification of	CE3ICNW01D20820L09	pt_02				12	7/10/21		3//
	THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT			LAN,Layered model: protocol hierarchies	CE3ICNW01D21820L10						,	1	2111
	9				CE3ICNW01D22820L11				1000	11	10/2/		
AMPLIA ARE					CE3ICNW01D24820L12					3	13/10/21/28	11012	
				N/w model design issues for the	CE3ICNW01D25820L13					П		- Inches	

Faculty in Charge





	,					PPt ID		Activity	Refrence Book - Chapter no.	link for quiz or	n Date	nt/Tutoria	AC's sign
EE	Week	No. Of	Unit No.	Exact Topic Name & Subtopic	Topic ID	77(10	ID		Chapter iid.		A48/19/21		K
-	11 Oct-	- 01	NO.	la an interferor and services service	CE3ICNW01D26820L14			-	Data	-	11	1	1)
3	16 Oct	5		primitives, connection of services, OSI	CE3lCNW01D27820L15				Communication		F-	+	+
	21			Reference model and architecture	CE3ICNW01D28820L16				and Networking by Behrouz A		(20/10)	21	
	Periodicine and Additional		11		CE3lCNW01D29820L17				Forouzan Pg. no.101-129,141	-			
					CE31CNW01D31820L18				155		21102		1
Milerations	Personance of the second	PORTEGO GOLDON	The state of the s	TCP IP reference model, types of addressing. Physical Layer: types of	CE3lCNW01D01920L19						25/10		
ne order territories	10.0-			signals, transmission mode, transmission impairment, data rate	CE31CNW01D02920L20						26 10	-	
4	18 Oct- 23 oct 21	5		limits, performance. Digital to digital conversion line coding	CE3ICNW01D03920L21	The state of the s					South		
			CONTRACTOR CO	techniques, transmission media, switching techniques.	CE3ICNW01D04920L22							No.	1/
			The second	means a actual accumdance	CE31CNW01D05920L2	;					25/10		No.
-					CE3ICNW01D07920L2	3					15/11/2		Miles and a second
		Company of the Company		Data Link Layer: introductionn t	CE3ICNW01D08920L2	5					Kuln	4	10
No.			I	MAC and ULC sub layers, framit methods, error detection and	08 CERTON WOLDWOOD 7	6					The state of the s		1132
Company of the Control	5 25 oc		6	correction methods. LLC sub-lay protocols for noise and noisele	er CERCEWOID 10920L3	7			Data Communicati	ю	11/11/2	-	(3)
				protocous for moise and noise.c.	CE3ICNW01D11920L	28			ns and Networking b	v	18/11/2	And the same of th	
	page of control				CE3/CNW01D12920L	29	100000000000000000000000000000000000000		Behrouz A Forouzan Py		22/11/2		
		men-12			Sessional I				707.312.318.3	7.6	234	10/11	
	-	an 11			CE31CNW01D149200	30			.332,370,373.	3	24/87		
		15 max-		MAC Liver multiple access pro CSMA CSMA CD.CSMA?	excels CA). CESICNW01D17926	.31			7. 395		stal.	11	
	0 1	70 Nov	1	III channelization FOMA_TDMA_CDMA	CETTANDIDI MAS	1.32				1	26/11		+
					Hingen .				Kindy Dr. Millind Kha	napurkar			_
	Fac	ultu	in C	harge	5 (Nagper-141111) 5				HOD Maharshi Karre Stree Sh Tumnina College of Engi Hingna, Nagpor	ikshan Sanetha's wering for Women			G

WEE	Week	No. Of	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video	Activity	Refrence Book -	link for	Completio	Assignme	401 .
				introduction to virtual LAN	CUENCANINALENCE		ID		Chapter no.	quiz or	n Date	nt/Tutoria	AC's sign
+					CE31CNW01D19920L33						30/11/24		
	- 1			eteta Eayet	CE31CNW01D28920L34						2/12/21		
				Addressing in IPv4, routing algorithm(static,dynamic,hierarchical	CE3ICNW01D29920L35						73/12/2		1/
	22 nov- 6 nov21	6		protocologitta ,tertia ,Driet ,,telvir	CE3ICNW01D30920L36						2/2/2/		1
				protocol, subnet and subnet masking techniques for classful addressing	CE3ICNW01D011020L37				Data		6 12/21		
1				methods	CE3ICNW01D031020L38				Communicatio		37112		
					CE3ICNW01D051020L39				ns and Networking by Behrouz A				
				Transport Layer: elements of transport protocols, addressing	CE3ICNW01D061020L40				Forouzan Pg.		8/12		
9	29 nov-	6		techniques, connection oriented service, TCP protocol and header, TCP	CE3ICNW01D071020L41				No. 549		9/12		
	4dec 21		IV	checksum calculation, TCP	CE3ICNW01D081020L42						310/12/	13/12	
				transmission policy UDP protocol ,UDP Checksum calculation	CE3ICNW01D091020L43			A CONTRACTOR OF CONTRACTOR]		,
					CE3ICNW01D101020L44						5/12		ANY
					CE3ICNW01D121020L45			The state of the s	And the second	1	14/12		DI.V.
				SCTP protocol,QoS	CE3ICNW01D131020L46				Data		•		7
	6 dec-			parameters, congestion control methods, traffic shaping	CE3ICNW01D141020L47				communication s and Networking by	1	8/12		
10	10 dec 21	6		algorithms, Session and presentation layer: design issues, responsibilities of	CE3ICNW01D151020L48				Behrouz A Forouzan Pg.		20112		
				presentation layer	CE3ICNW01D161020L49				No. 549 TCP/IP Protocol				
					CE3ICNW01D171020L50				Suite by Behrouz A		721/2		
					CE3ICNW01D191020L51				Forouzan				
				Calcar of trolling		Kmlind Dr. Milind Khanapu	urkar					(3



Dr. Millind Khanapurkar
Principal
Maharshi Karve Stres Shikshan Sanetha's
Junniles College of Engineering for Worken
Hingna, Nagpor-441118.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acames with a difference



CCOEW/CE / 21-22

Date: 1/ 8 / 2022

LESSON & TEACHING PLAN for Data Warehousing and Mining

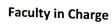
					Depart	ment of Comp	uter Engin	eering					
Facult	y Name	: Prof.	Supri	ya Gupta		S	ub: Data W	/arehousing a	and Mining	Sec	Year :	2022-23	Sem:- V
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
					Skill De	evelopment(1,	/8/22 to 6/	8/22)					
											8/8/22		
	8 Aug -			Introduction to data warehousing, evolution of decision support							9/8/22		
1	12 Aug	5		systems, Data warehouse life cycle, building a data warehouse,					Data Mining -		12/8/22		
				Data Warehousing Components					Concepts and Techniques -		17/8/22		
									Jiawei Han &		18/8/22		
and the second second			I						Micheline Kamber, Morgan		22/8	and the second	
THE PERSON									Kaufmann Publishers,		22/8		
	17 Aug 20 Aug	6		Data Warehousing Architecture, Trends in data					Elsevier,2nd Edition, 2006.		22/8		
	20 Aug			warehousing Data marts, Metadata					Edition, 2000.		22/8		
-				_							2318		
			_								23/8		
	The base of the second of the												

(VMm).

Hingna, Hogper-441111

Dr. Millind Khanapurkar Principal Maharsh Karve Stree Shikshan Sanetha's Cumnins College of Expineering for Women

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
	22 Aug 26 Aug	4		On Line Analytical Processing, ,OLAP in the Data Warehouse: Demand for Online analytical							24/8 24/8		
				processing, need for multidimensional analysis,					Data Mining – Concepts and Techniques - Jiawei Han &		25/8		75)
			II	fast access and powerful					Micheline Kamber, Morgan Kaufmann Publishers,		26/8 1/9 1/9		
	9 Aug 3Sep	6		calculations, limitations of other analysis methods, OLAP definitions and rules, OLAP characteristics,					Elsevier,2nd Edition, 2006.		1/9 1/9 2/9	7	
		5 1	11								2/9		
	sept-9			major features and functions, OLAP models the					Data Mining -		5/9 G/9		
	Sept			MOLAP model, the ROLAP model, ROLAP versus MOLAP					Concepts and Techniques - Jiawei Han & Micheline		819		75)
	12	5		Multidimensional Data Models: Types of Data and Their Uses, from Tables and Spreadsheets to				¹	Kamber, Morgan Kaufmann Publishers, Elsevier,2nd Edition, 2006.		12/9	The second secon	

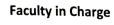






WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
7	Sep 17 Sept- 23 Sep			Dimensions		S	essional I						
8	26 Sept- 1 Oct	5		Designing Fact Tables, Designing Dimension Table, Data Warehouse Schemas, Introduction to OLTP.					Data Mining – Concepts and Techniques – Jiawei Han &	1319 16/9 16/9			
9	3 oct-7 oct	5	IV	Data Mining: Introduction: Motivation, Importance, Data Mining Functionalities Knowledge Discovery Process, KDD and Data Mining, Data Mining vs. Query Tools,					Micheline Micheline Kamber, Morgan Kaufmann Publishers, Elsevier,2nd Edition, 2006.	26/9			
10	0 oct- 5 oct	6	v	interesting patterns, Classification of data mining systems, Major issues, from Data varehousing to data Mining. Data Preprocessing: Need for Preprocessing the Data, Data Cleaning, Data Integration and Transformation, Data Reduction, Discrimination and Concept					Data Mining – Concepts and Techniques - Jiawei Han &	28/9 28/9 29/9 3/10			317
acul	ty in C	harg	ge	Super all Exp		Dr. Millind Khana Principal Mahasah Karra Stree Shika 'umalaa Celleya of Enda 'umalaa Celleya of Enda Mingra, Nagpur-44'	purkar nan Sanetha's	НОГ))

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
				Hierarchy Generation					Micheline Kamber, Morgan				7
				Mining Frequent Patterns, Associations and Correlations –					Kaufmann Publishers,				
				Mining Methods – Mining Various					Elsevier,2nd Edition, 2006.		4/10		
12	17 oct- 21 oct	5		Kinds of Association Rules – Correlation Analysis – Constraint							4/10		
				Based Association							10/10		/ AD
				Mining – Classification and Prediction - Basic Concepts -							11/10		
13	24 Oct-2	8 Oct					Diwali V	√acation					
				Bayesian Classification – Rule Based							12/10		
				Classification - Classification by					Data Mining -		12/10)
13	1 Nov-5 Nov	6	VI	Back propagation – Support Vector Machines – Associative					Concepts and		13/10	/	
				Classification – Lazy Learners – Other Classification					Techniques - Jiawei Han &		13/10		
				Methods - Prediction					Micheline Kamber, Morgan		17/10		
				Cluster Analysis - Types of Data - Categorization of Major					Kaufmann Publishers,		18/10		(J)
14	7 Nov-	4		Clustering Methods - K- means – Partitioning Methods –					Elsevier,2nd Edition, 2006.		19110		
	11 Nov			Hierarchical Methods - Density-							20/10		
				Based Methods – Grid Based Methods							21/10)
		5	III	Cluster Analysis – Outlier Analysis . Data Mining Applications. Social					Data Mining – Concepts and		HII		(
	14 Nov-			Impacts of Data Mining Case					Techniques -		1111		15
15	19 Nov			Studies: Mining WWW Mining Text Database Mining Spatial					Jiawei Han & Micheline		2/11 3/11		1









WEEK No.	Week	No. Of Lect.	No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
									Kamber, Morgan Kaufmann		8/11		
		5	1 1						Publishers,		9/11		And
16	21 Nov- 25 Nov			Revision					Elsevier,2nd Edition, 2006.		10/11	7	1
						+			Luition, 2000.				
17	28 Nov- 3 Dec			,			Sessional II						

Sub. Teacher Prof. Supriya Gupta

Ac

Prof. S. Deote



Dr. Millind Khanapurkar Principal Maharshi Karve Stres Shikshan Sanetha's Junning College of Expineering for Woosen



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accumen with a difference



CCOEW/CE / 21-22

Date: 1/ 8 / 2022

LESSON & TEACHING PLAN for Database Management System

					Depart	ment of Comp	uter Engine	eering					
Facul	ty Name	e: Prof.	Supri	ya Gupta		s	ub: Databas	se Managem	ent System	Sec	Year :	2022-23	Sem:- V
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
					Skill D	evelopment(1,	/8/22 to 6/8	8/22)					
											8/8/22		
	8 Aug -	3		General introduction to database							9/8/22		
	12 Aug	7		system, DBMS distinction, Approaches to building a database							12/8/22		
						_					12/8/22		18
+			.						Database System Concepts by		12/8/22	-	PL
			I			_			AviSilberschatz, Henery F. Korth,		17/8/2	7	
				Data models, Three schema		_			S. Sudarshan		19/8/2	2	
2 1	7 Aug 20 Aug	3		architecture of database, Challenges in building a DBMS,							18/8/2	2	
		3		Various components of DBMS							19/8		
											1918		
+		-	+								22/8		
		1		L									

Faculty in Charge





HOD

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
				Relational Data models, Concepts				Market 1997			24/8	ſ	
3	22 Aug 26 Aug	5		of relation, Schema instance distinction, Keys, Referencial							348		
				integrity and foreign key		_					25/8		
								***************************************	Database System		26/8		
_			п						Concepts by AviSilberschatz,		1/9		
	o de la companya de l								Henery F. Korth, S. Sudarshan		219		
We want to the state of the sta		Marie a casile regarder		Relational algebra operators, tuple				***************************************			3/9		7
4	29 Aug 3Sep	6		relation calculus, Domain				-			3/9		(1)
0.000		The state of the s		Relational calculus,							3/9		74
				-							3/9)
+		(, \$)		SOL NUGOL									
		45		SQL, PL/SQL							5/9		
				-							619	The second secon	/
5	sept-9 Sept			+							619		
									Database System		7/9		
									Concepts by AviSilberschatz,		7/9		192
+	-	_	-						Henery F. Korth, S. Sudarshan		8/9	And the second	
	12	5	F	Evolution of data models, Entity					o. Sudarshan		8/9		
د ا	12 Sant 16		r	elationship model. development							3/9		







WEEK No.	100	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
٧	Sept-10	5						production products are an area of the same			13/9		
											1319		5
	17 Sept- 23 Sep					5	Sessional I						
The second secon											16/9		
				logical view of data, concepts of							16/9		
8	26 Sept- 1 Oct	5 4		functional dependency, normalization 1NF, 2NF, 3NF,							26/9		\
	FOR STATE OF	9		BCNF							2719		(9)
									Database System Concepts by		28/9		
			IV						AviSilberschatz, Henery F. Korth,		2919	J	
	oli Characteristic Control			Query processing and					S. Sudarshan		2919	1	\
9	3 oct-7	5		optimization, measure of query				******************************			3/10		
	oct	4		cost estimation in query optimization							4/10	and the second	
	a designation of the control of the										10/10	X	/
4				,							10/10		_
											11/10	}	- gr
											12/10	Λ	-1/-
	10 oct- 15 oct	5	\mathbf{v}	pipelining and materialization,					Į		12/10		
	13 000			structure of query evalustion plans							13/10		
				garage of English			. sind		Database System		13/10		

Faculty in Charge



WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
									AviSilberschatz, Henery F. Korth, S. Sudarshan				
	17 oct-	5		Transaction concepts, properties							17/10		
12	21 oct	3		of transactions, Serializability							17/10		
and the same of th	STATE OF THE PERSON NAMED IN COLUMN 1			_							17/10		1911
_		\dashv	-								19/10		12
13 2	4 Oct-28	Oct	1			_	Diwali V	acation			, 11,75		
											19/10		1
			1	Testing for serializability,					}				-
	Nov-5 Nov	6	VI	transaction isolation levels and					}		20/10		
				implementations					Database System		20/10	or an annual section of the section	/
									Concepts by AviSilberschatz,		21/10		1
									Henery F. Korth,		21/10		4 (J)
. 7	Nov-			Concurrency control look here					S. Sudarshan		1/11		1
4 1	Nov	4		Concurrency control, lock base protocol, deadlock handling				-			2/11		
				′							2/11		/
+	\dashv	+	+								3)11		
14	Nov-	5 111		ne stamp based protocol, ilidation based protocol							4/11		1
15 19									Database System		4111		JE
									Concepts by		7/11		-
				college of English		hillies	<u> </u>		A		7111	J	
cult	y in C	harg	ge	Mingner, 441111		Dr. Millind Khanapu Principal Maharsh Karve Stree Shishan Lumilina College of Engineering Hingan, Nappu-441111	Sandara	HOD					

WEEK No.	week	No. Of Lect.	No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
									Henery F. Korth, S. Sudarshan		10/11		
16	21 Nov- 25 Nov		1 1	Revision							1711		190
	25 1101	_											
17	28 Nov	1				:	Sessional I	I					

Sub. Teacher

Sub. Teacher Prof. Supriya Gupta Ac Prof

Prof. S. Deote



Dr. Millind Khanapurkar Pricipal Maharah Karve Stree Shikshan Sanetha'i Junelias College of Exponering for Money Manga, Nappor 441118.

Faculty in Charge



Maharshi Kade Stree Shikshan Sams da's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



unmins College of Engineering for Women Hingna, Nagpur-441118.

COEW/AS / 21-22

Date: 22/08/2022

LESSON & TEACHING PLAN for Applied Maths-III

			D	epartment of Co	mputer Engineering					
Name: Prof	. Pravin	Gorantiw	ar		Sub: Applied Math	s II	Computer Engineering	Year :	2021-22	Sem:- III
Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video/ PDF/PPT ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
			Unit 3: Matrices, Linear dependence of vectors							2
-	4	Ш	Eigen values and Eigen vectors	205/207						
us sept			Reduction to diagonal form			Higher engineering		12-09-12		
			Singular value decomposition	1		mathematics Shobhane				
05 Sent -			Sylvester's theorem	1		& Tembhekar				(B)
10 Sept	5	111	Largest Eigen value and its corresponding Eigen vector by iteration method					19 09.12	20,092	
			Unit 2: Z-Transform					2 - 09.21		<u></u>
12 Sept -	5			Transform				2- 5		
17 Sept	,			-		Higher engineering				
			• • • • • • • • • • • • • • • • • • • •			mathematics Shobhane		25,09		
10 Cont				PDF 7-		& Tembhekar				
24 Sept	5	П	Solution of difference equations with constant coefficients by Z-transform method.	Transform				11-1012	39.10.22	
26 Sent -			Distributions Review of discrete and continuous random	_						
01 Oct	5	IV	variables	PDF/PPT		Higher engineering				8
			The state of the s	Mathematical				09.11.22		1
				Exceptation		& Tembhekar		-		- ''
		IV	Moments,							
			Moment generating function			College of English		11,11,55	Kindina	
	Week 29 Aug - 03 Sept - 10 Sept - 17 Sept - 24 Sept - 01 Oct 3 Oct - 12 Oct	Week No. Of Lect. 29 Aug - 03 Sept 4 05 Sept - 5 12 Sept - 5 19 Sept - 5 26 Sept - 01 Oct 5 3 Oct - 12	Week No. Of Lect. Unit No. 29 Aug - 03 Sept 4 III 05 Sept - 10 Sept 5 III 12 Sept - 17 Sept 5 II 19 Sept - 24 Sept 5 II 26 Sept - 01 Oct 5 IV 3 Oct - 12 Oct IV	Name: Prof. Pravin Gorantiwar Week	Name: Prof. Pravin Gorantiwar Week No. Of Lect. Unit No. Lect. Unit No. Lect. Unit 3: Matrices, Linear dependence of vectors	Name: Prof. Pravin Gorantiwar Week No. Of Lect. Unit No. Exact Topic Name & Subtopic Video/PDF/PPT ID Activity/ Virtual lab link Teaching Aid 1	Week No. Of Lect. Unit No. Exact Topic Name & Subtopic Video/pDF/PPT ID Activity/ Virtual lab link Teaching Aid Refrence Book - Chapter no. Page no, edition. No 29 Aug - 03 Sept 4 III Figure 1 Unit 3: Matrices, Linear dependence of vectors Eigen values and Eigen vectors Reduction to diagonal form Reduction to diagonal form Sylvester's theorem Sylvester's theorem Sylvester's theorem Largest Eigen value and its corresponding Eigen vector by iteration method Unit 2: 2-Transform Properties (Statement only) and examples, Inverse Z transform by partial fraction method Inverse Z transform by partial fraction method Solution of difference equations with constant coefficients by Z-transform method. 26 Sept - 01 Oct 5 IV Distributions Review of discrete and continuous random variables Mathematical expectation, Variance, Standard deviation, Moment generating function Post Post Post Post Post Post Post Post	Name: Prof. Pravin Gorantiwar Week No. Of Lect. Unit No. Exact Topic Name & Subtopic PDF/PPT ID Lect. Unit 3: Matrices, Linear dependence of vectors Eigen values and Eigen vectors Reduction to diagonal form Matrices Subtable PDF/PPT ID Lab link Teaching Aid Refrence Book - Chapter no. Page no,edition. No or poll PDF/PPT ID Lab link Teaching Aid No. Of Definition. No or poll PDF/PPT ID Lab link Teaching Aid No. Of Definition. No or poll PDF/PPT ID Lab link Teaching Aid No. Of Definition. No or poll Ink for quiz or poll Ink for q	Name: Prof. Pravin Gorantiwar Week No. Of Lect. Unit No. Lexact Topic Name & Subtopic Video/ Lect. Unit No. Lexact Topic Name & Subtopic Video/ PDF/PPT ID Activity/ Virtual lab link Teaching Aid Reference Book - Chapter no. Page no, edition. No Date DDF/PPT ID Activity/ Virtual lab link Teaching Aid Reference Book - Chapter no. Page no, edition. No Date DDF/PPT ID Activity/ Virtual lab link Teaching Aid Reference Book - Chapter no. Page no, edition. No Date DDF/PPT ID DAte DDF/PPT ID DAte DDF/PPT ID DAte DDF/PPT ID DAte DDF/PPT ID DAte DDF/PPT ID DAte DDF/PPT ID DAte DDF/PPT ID DAte DDF/PPT ID DAte DDF/PPT ID DAte DDF/PPT ID DAte DDF/PPT ID DAte DDF/PPT ID DAte DDF/PPT ID DAte DDF/PPT ID DAte DDF/PPT ID DAte DDF/PPT ID DATE	Name: Prof. Pravin Gorantiwar Week No. Of Lect. Unit No. Exact Topic Name & Subtopic Video/ Lect. Unit No. Exact Topic Name & Subtopic Video/ PDF/PPT In Subtain Reference Book - Chapter Ino. Page no,edition. No or poll of Ink for quiz or poll of Ink for quiz or poll of Ink for quiz or poll of Ink for quiz or poll or

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Video/ PDF/PPT ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
7	24 Oct - 29 Oct	6			and the second s	Diwali Vacat	ion				
				Binomial distribution,	PDF/PPT		Higher engineering				
8	31 Oct - 05 Nov	5	IV	Poisson's distribution,	Mathematical		mathematics Shobhane				
	03 1101			Normal distribution, Exponential distribution.	Exceptation		& Tembhekar		16.11.22		
9	07 Nov -	5		Unit 1: Integral Transforms Laplace Transform: Definition,							
	12 Nov			Properties of Laplace transform	PDF/PPT		Higher engineering				
				Evaluation of integrals by Laplace transform	Laplace		mathematics Shobhane		21.11		
				Inverse Laplace transform by partial fraction	Transform		& Tembhekar				
10	14 Nov - 19 Nov	5		Convolution theorem (Statement only) Simple applications of Laplace transform to solve ordinary differential equations.	_				28.12	191122	
				Fourier Transform: Definition and Properties			Higher engineering		28:12		
				(excluding FFT), to solve integral equations	PDF/PPT Fourier		mathematics)
				Applications of Fourier transform	transform		B. S. Grewal		30.11		
11	21 Nov - 26 Nov	5	v	Unit 5: Statistical Techniques Statistics: Introduction to correlation and regression, Multiple correlation and its properties, Multiple regression analysis, Regression equation of three variables.					05.12		525
				Measures of central tendency: Mean, Median,	PDF/PPT		Higher engineering				
	28 Nov -	_		Quartile, Decile, Percentile,	Statistical		mathematics				
12	03 Dec	5	V	Mode, Mean deviation, Standard deviation	Techniques		H K Das				
			1	Skewness: Test and uses of skewness and types of distributions,					16.12		
13	05 Dec - 10 Dec	5		Measure of skewness, Karl Pearson's coefficient of skewness,							
	10 Dec			Measure of skewness based on moments					20:12		
14	15 Dec - 23 Dec	5		2 /	,	Sessional- II	Examination	1			V
acult	y in Cha	rge	,	Sub. treacher		Hingro, hogper-441111	нор	Dr. Millind Ki Princ Maharah Karve Stree Turmina College H Hingna, Naga		Ac	6

WEE	Week	No. Of	Unit No.	Exact Topic Name & Subtople	Topic ID	PPt ID		Activity	Refrence Book -		Completio		AC's sign
				Application layer and n/w security:	CE3ICNW01D201020L52	PPEID	ID		Chapter no.	quiz or	n Date	nt/Tutoria	
11	13 dec-	6			CE3ICNW01D211020L53						22/12		
	18 dec21			services(DNS,Email,MIME,SMTP,F	CE3ICNW01D221020L54								
				TP,TFTP)	CE3ICNW01D231020L55				Dete		1		
			v		CE3ICNW01D241020L56				Data Communication s and	n	23/12		100
				-	CE3ICNW01D261020L57				Networking by Behrouz A				
				Architecture of WWW and HTTP,introduction to	CE3ICNW01D271020L58				Forouzan Pg. No. 799		Palle		24
14	20 dec- 24 dec	5		cryptography,security services,introduction to symmetric	CE3ICNW01D281020L59] 100.799		11291		
	21			and asymmetric key cryptography, digital signature	CE3ICNW01D291020L60								
					CE3ICNW01D311020L61					nile control (nile)			IJ
15	27 dec- 31 dec 21	1				Sessi	onal II						



Dr. Milind Khanapurkar Principal Mahash Karva Strey Sheahan Sanetha's Sanetha College of Lipsesting for Women wingsa, Nappu-441119.

Ac

Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2020-21

Tel. No.: 9657667030 E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in









COEW/AS / 20-21

Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Date: 02/06/2021

LESSON & TEACHING DIAM for Applied Mathe-III

				LES	SON & TI	EACHING PLA	AN for Applied Math	ns-III				
					Depart	ment of Con	puter Engineering					
aculty	Name: Prof.	Pravin (Gorantiwa	ır			Sub: Applied Math	s II	Computer Engineering	Year :	2021-22	Sem:- III
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPT ID	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
				Unit 3: Matrices Linear dependence of vectors				Higher engineering				
1	27 Sept -	5	111	Eigen values and Eigen vectors		PDF/PPT Matrices		mathematics Shobhane				
	02 Oct			Reduction to diagonal form		iviatrices		& Tembhekar 2.43-2.81				
				Singular value decomposition						12.01.70		
				Sylvester's theorem		PDF /PPT						1 gy
2	04 Oct - 09 Oct	5	Ш	Largest Eigen value and its corresponding Eigen vector by iteration		Matrices		Higher engineering mathematics Shobhane				7 18/10
	Oct		11	Unit 2: Z-Transform Definition and convergence of Z-transform		PDF Z/PPT Transform		& Tembhekar 2.43-2.81		20.10.21	18.10.51	
				Properties (Statement only) and examples,				Higher engineering				J
3	11 Oct - 16 Oct	5	н	Inverse Z transform by partial fraction method		PDF Z/PPT Transform	1	mathematics Shobhane & Tembhekar 6.1-6.27				
				Convolution of two sequences						25.10.2		1
				Power series method,		PDF Z-		Higher engineering				
	18.0-4			Solution of difference equations with constant coefficients by Z-transform method.		Transform		mathematics Shobhane & Tembhekar 6.1-6.27				
4	18 Oct - 23 Oct	5		Unit 4: Mathematical Expectation and Probability Distributions		PDF/PPT Mathemat		Higher engineering mathematics Shobhan	e			
acul	win Cha	arge	IV	Review of discrete and continuous random variables		cal Exceptation	Hagna,	& Tembhekar 12.1- 12.32		mg 16.11.5		(6)
acuii	y III CII	iige				19	Nogper-441118 2	1100	Dr. Milliand Kitra Princip Maharahi Karve Stree Si Sunmina College of Eng	errappurikar ral hikshan Sanetha's ineering for Worken	•	

NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPT ID	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign	
1.	25 Oct -	5	IV	Mathematical expectation, Variance, Standard deviation,		PDF/PPT Mathemati		Higher engineering mathematics Shobhane				W/-	
5	30 Oct	3	10	Moments,		cal		& Tembhekar 12.1-			29-16:21		
				Moment generating function		Exceptation		12.32		22:114		1011	
6	01 Nov - 06 Nov	6					Diwali Vacati	ion	1	1			
7	08 Nov - 13 Nov	6					Sessional - I Exam	ination					Control of the last
				Binomial distribution,		PDF/PPT							
			IV	Poisson's distribution,		Mathemati		Higher engineering					
8	15 Nov - 20 Nov	5		Normal distribution, Exponential distribution.		cal Exceptation		mathematics Shobhane & Tembhekar 13.1- 12.19		25.11.21			
			ı	Unit 1: Integral Transforms Laplace Transform: Definition,				12.19					
				Properties of Laplace transform		PDF/PDF							
	22 Nov -	-		Evaluation of integrals by Laplace transform		Laplace transform		Higher engineering mathematics Shobhane					
9	27 Nov	5	'	Inverse Laplace transform by partial fraction method,		transierini		& Tembhekar 4.1-461					
		-		Convolution theorem (Statement only)						10.12.21		(3)	
	29 Nov -		1	Simple applications of Laplace transform to solve ordinary differential equations.		PDF/PPT		Higher engineering				07/2	-
10	06 Dec	5	ı	Fourier Transform: Definition and Properties (excluding FFT), to solve integral equations		Fourier transform		mathematics Shobhane & Tembhekar 5.1-5.15		15:12:21			
			ı	Applications of Fourier transform									
11 :	06 Dec - 11 Dec	5	v	Unit 5: Statistical Techniques Statistics: Introduction to correlation and regression, Multiple correlation and its properties, Multiple regression analysis, Regression equation of three variables.	College of English Hingha, Hopper-44111	PDF/PPT Statistical Techniques		Higher engineering mathematics B. S. Grewal 274-81		18-12-21	06.12.21	\B	
<u> </u>	7 7	77/5		1 -	*			Hingha, Nagpur-441118.					ŀ

NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPT ID	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
				Measures of central tendency: Mean, Median,								
12	13 Dec -	5	v	Quartile, Decile, Percentile,		PDF/PPT		Higher engineering				
••	18 Dec		'	Mode, Mean deviation, Standard deviation		Statistical Techniques		mathematics H K Das				
				Skewness: Test and uses of skewness and types of distributions,						23.421		gr
13	20 Dec - 25 Dec	5		Measure of skewness, Karl Pearson's coefficient of skewness,		PDF/PPT Statistical		Higher engineering				28/12
	23 Dec			Measure of skewness based on moments		Techniques		mathematics H K Das		24.12.2	\	
14		5					Sessional- II	Examination	•			

Sub. Veacher

Ac



Dr. Millind Khanapurkar Principal Waharsh Kara Bira Sanama Sanama's Luminia Citiga of Dring Sanama (br Wasan Kinga, Nagau-44118



aculty in Charge

HOD



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accounts with a fullprinter



Lab Practicals Plan

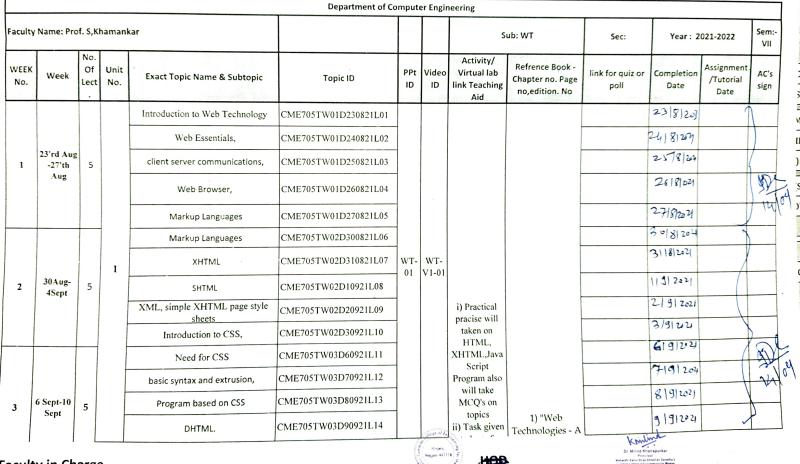
			ab Practicuis ()	Computer-Wor	kshop-l		Sem:III	
COF	W/ Department of Computer	er Engineering		Computer-wor	KSHOP	Batch		
.Kh	amankar Name of experiment	Lab iD	Possible variations used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remar
					print	fill	fill	fill
pri	print				28/9/2021			
nt	Introduction					28/9/21		
1	Write a program in C to create and store data in that file	BECME30902PD28092021 P01			28/9/2021			
2	Write a C program toDelete a file & Copy content of file to another	BECME30902PD05102021 P02			10-05-2021	国報と		
_	file Write a C program to merge two	BECME30902PD12102021			10-12-2021	12/10/29		
4	files Write a program in PHP to handle HTML forms.	P03 BECME30902PD19102021 P04			19/10/2021	1911013		
5	Write a program in PHP to handle regular expression including modifiers, operators and	BECME30902PD26102021 P05	For each practical I created extra practical list which I mailed to	online compiler	26/10/2021	26/10/29		
6	metacharacters. Write a program in PHP to handle PHP library functions	BECME30902PD09112021 P06	students for variations		11-09-2021	19119121 Kristind		





1		BECME30902PD16112021 P07			16/11/2021	11/16/2	
8	square root	BECME30902PD23112021 P08				1,110,0	-
9	Write a python program to calculate area of triangle	BECME30902PD30112021 P09			30/11/2021		
10	Write a python program to swap two variables	BECME30902PD07122021 P10					
			•		12-07-2021	+1194	
		Subject-Teacher		Ac			
		(See of Eggs (Manyer 4111) \$\frac{1}{2}\$		Dr. Millind An in agent ar Principal March for all for side school for the count into all for side school for the principal school for the school page school for the school for the school page school for the school for the school for the school page school for the school for			

LESSON & TEACHING PLAN for Web Technology



No.	We	ek	No. Of Lect	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's
					Client side programming,	CME705TW03D100921L15			students for · design	Computer Science		1419129		No.
					Client side programming,	CME705TW04D130921L16			pages, also collect more	Perspective", 1st Edition, Jeffrey C.		15/9/24	6	
	126				Java Script Language,	CME705TW04D140921L17			info about web	Jackson 2) Web Programming		1719/204		
4	13 Set Set		5		Java Script Language, syntax	CME705TW04D150921L18			an assignment	(Building Internet Applications)",	12	19124		
				п	host objects: Browsers	CME705TW04D160921L19	WT- 02	WT- V1-02		3rd Edition, Chris- Bates		1910y		+
					host objects: Browsers	CME705TW04D170921L20	02	V 1-02				20/9/204		/
					DOM	CME705TW05D200921L21						2019184		
	200				DOM prgram structure	CME705TW05D210921L22						2/19/2/		B
5	20Se 24Se		5		AJAX	CME705TW05D220921L23							Starin	100
					JAVA Applets,	CME705TW05D230921L24					1	23/9/21	ments .	+
		1	4	-	server side programming:	CME705TW05D240921L25						24/9/21		-
					server side programming:	CME705TW06D270921L26						81914		_
				ш	Java Servlets - basics,	CME705TW06D280921L27	WT-	WT-						
6	27Sept- Oct	1 :	5		Java Servlets - basics,	CME705TW06D290921L28	03	V1-03	Given	-		28/9/21		
					separating programming and presentations	CME705TW06D300921L29			examples for more practse			29 19121	الم	
			ĺ			CME705TW06D011021L30						3019121		
												1 Maz		
Faculty	rin Cl	harį	ge	- 201.5	Control of the contro		Ses	sional	-I Kindin	urkar				

No.

WEEK No.	31 60	Week	No. Of Lect	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's
					JSP basics	CME705TW07D111021L31						111/0/21		
				Ш	simple JSP pages.	CME705TW07D121021L32	WT-		Given Task to			1110121)
7		110ct - 160ct	5		Representing web data	CME705TW07D131021L33	03		find out applications					
					database connectivity	CME705TW07D141021L34		WT- V1-03	for related topic/ give			131110121)	
	1				JDBC	CME705TW07D151021L35		V 1-03	some programs to			13/10/21	-\	The state of the s
					Dynamic web pages,	CME705TW08D181021L36			create java server pages			18/10/21		
	0				Dynamic web pages,	CME705TW08D191021L37			Pages			18/10/12	A	
8		18 Oct-22 Oct	5	Г	XML, DTD	CME705TW08D201021L38						20/10/2		
						CME705TW08D211021L39	WT 04	4				2011194		
					XML schema,	CME705TW08D221021L40		WT-	XML practice			24104		
					DOM, SAX	CME705TW09D251021L41		V1-0	program					\rightarrow
					Parsing XML Document using DOM/SAX parser.	CME705TW09D261021L42				1) "Web Technologies - A		22/19/21		
					parser.	CME705TW09D271021L43	1			Computer Science Perspective", 1st		2511921		9)
9)	25Oct- 30Oct	6		Email Tools	CME705TW09D281021L44	+	-		Edition, Jeffrey C.		2511012		
		3000			10019		_			Jackson 2) Web Programming		26110124		
					FTP Tools	CME705TW09D291021L45				(Building Internet Applications)", 3rd		261101121	Ž	
						CME705TW09D301021L46			Given task to	Edition, Chris		27/10/21		\vdash
-			-	'	WWW,TELNET, PUTTY,	CME705TW09D301021L47	- 1	F	find out more web			10/11/21		
					DNS, Web Services & Feeds	CME705TW10D081121L48	W 0					10111121		()
10		8 Nov-12				CME705TW10D091121L49						11/1/12		13
10		Nov	5		SOAP, RSS Feeds	CME705TW10D101121L50						11/11/2		+
Fae	ult	ty in C	har	ge	Kingna, Se Hopper-441119	Dr. Milind Khanapuri	ar	'	HO	- -		1 11 111 2	1)

WEEK No.	Week	No. Of Lect	1000	nit Io.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment /Tutorial Date	AC's sign
	100				Building web Applications,	CME705TW10D111121L51						15/11/2/		
					Cookies sessions.	CME705TW10D121121L52						18/11/21		
			1	Ī		CME705TW11D1511121L53			Given			16/11/21		
					APACHE TOMCAT,Accessibility	CME705TW11D161121L54			program to create cookies			16/11/21		
	15 Nov-2	20		VI	Internationalization	CME705TW11D171121L55	WT.	WT-	and session / implement			17/11/21	A	47/
11	Nov	20	6			CME705TW11D181121L56	06	V1-0	attack with program			17/11/21		04/12
					Types of Web Attack ,Intrusions.	CME705TW11D191121L57						18)1114	1	
					Web details	CME705TW11D201121L58						18/11/31		
12	22Nov Nov		4	25000 W 11-24				Rev	rision		the Common of th		and the second second	
	110	-					1-8 1	Dec Ses	sional II					
1					Sub Teacher						A	Ac	•	
						Anger of Eggs Supper 44111 2			Dr. Millind Khana Principal Mahash Kim Stree Shiki Sunniss Chilipa of Engine Kingsa, Nagau-44	purkar Inter Saemb k rong for Women 118				
I -														

Eaculty in Charge



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Dias

			Lab	Practico	als Plan						
	EW/ Department of compute	er Engineering	2020-		IANS				рераги	nent.	
Pro	f. Sharayu Deote					BatchB 1			Batch B 2		
Pi	Name of experiment	Lab ID	Possible variations used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva question	Ac's Remark
pri nt	print			9	print	fill	fill	print	fill	fill	fill
1	Breaking shift cipher	CE7IANSW01D110820 P01			11/8/2020	11/08					
2 Brea subs	Breaking the monoalphbetic substitution cipher	CE7IANSW01D180820 P02			18/8/20	18/08					M.
3	One time pad and perfect secrecy	CE7IANSW01D250820 P03			25/8/20	25/08				J.)
4	Message Authentication code	CE7IANSW01D100920 P04			1/9/2020						
5	Cryptography hash function and Application	CE7IANSW01D080920 P05		vlab	8/9/2020						
6	Sysmetric key Encryption standards(DES)	CE7IANSW01D150920 P06			15/09/2020	1500					M.
7	Sysmetric key Encryption standards(AES)	CE7IANSW01D290920 P07			29/09/20						
8	Diffie Hellman Key 8 Establishment	CE7IANSW01D061020 P08			6/10/202	0					

o Public Key cryptosystem	CE7IANSW01D131020 P09 CE7IANSW01D201020 P10	20/10/20	ters less		
	Mayor of English States	Dr. Milled Abstrappyrkar Project (2014) Masses New Core Show deather a connection of the Core of th			



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE / 18-19

LESSON & TEACHING PLAN for GATE Examination

			Department of Computer	Engineering		
Faculty	Name: Prof.	Sharayu		Sub:-IANS	Year: 2021- 2022	Sem:- 7'th
WEEK No.	Week	No. Of Lect.	Exact Topic Name	Activity/ Teaching Aid /ICT tools/MCQs	Completion Date	Incharge Sign
1	23'rd Aug - 27'th Aug	2	Fundamental of network security	https://www.geeksfo rgeeks.org/network- security-gq/	27 Ave	
2	30Aug- 4Sept	2	Examples on Traditional algorithm	gate- exam.in/cs/computer science/network security	04 sept	
3	6 Sept-10 Sept	2	Example on mathematical concept used for key generation			
4	13 Sept-18 Sept	2	Examples on advanced algorithm DES,AES etc	1. Jind		





WEEK No.	Week	No. Of Lect.	Exact Topic Name	Activity/ Teaching Aid /ICT tools/MCQs	Completion Date	Incharge Sign
5	20Sept- 24Sept	2	Examples on Key Management			
6	27Sept-1 Oct	2	Examplea on Key Exchange algorithm			

Signature of Subject Teacher

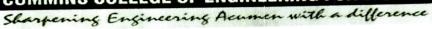


Dr. Millind Khanapurkar Principal Waharsh Kure Stree Shikatan Saneth Tunnina College of Explorency for Bloa Nova Nagov 4411th.



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





LESSON & TEACHING PLAN for Engineering Physics

				•	Depart	ment of Compute	r Engineering				
cu	ulty Name: Prof. Sharayu Deote					Sub: Informatio	n Assurance and Net	work Security	Year: 20	Sem:- VII	
V E K	Week	· Of	Un it No	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date		AC's sign
			A CONTRACTOR AND A CONT	Security fundamentals ,Introduction Terminology Attacks ,security goals: Authentication & Authorization		Open up Questioning	Cryptography &	https://docs.google.com/fo rms/d/e/1FAIpQLSfzcU8Wk 0Cxog66kteqW1zRSWS7ZIN YxN8WC6dVzjCQlgFDCw/vi ewform?usp=sf_link	\ 6		
1	23Aug 27Aug	1 7		Ciber techniques:Substitution and Transposition Various algorithm and its implementation			network security by William stalling		03 0		3
						Examples				-	
				Attacks ,security goals : Authentication & Authorization		Canada.			09/0	9	13

Faculty in Charge



HOD

	0.5	it	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
30Aug- 04 Sept			One time pad ,Modular Arithmatic ,GCD	regardir issues face	regarding issues faced by girls	Cryptography &		707/8		
	5	١	stream cipher, secret splitting and sharing			by William stalling		08/11		
			block cipher						Assign ment 01	
			Tutorial					11/2/9	Tutoria	7
	+		eclide algoriths, Chinese Remainder theorm,					04/10		3
			Descete Logarithm,					0619		
		- 1	Fermats Theorms		Math's activit	Cryptography & network security by	,	1010	9	}
10 Se	pt		Block generation & uses ,ECC			William staming		1011	1	10
		L	Pentium real mode					141	,	13
	30Aug- 04 Sept	Week Of Le ct. 30Aug-04 Sept 5	Week Of No. Le ct. 30Aug- 04 Sept 5	One time pad ,Modular Arithmatic ,GCD 30Aug- 04 Sept One time pad ,Modular Arithmatic ,GCD Stream cipher , secret splitting and sharing block cipher Tutorial eclide algoriths, Chinese Remainder theorm , Descete Logarithm, Fermats Theorms Block generation & uses ,ECC Pentium real mode	Week Of Le ct. No. 30Aug- 04 Sept 5	Week Of Le ct. Exact Topic Name & Subtopic Video ID Virtual lab link Teaching Aid 30 Aug- 04 Sept 5 1 One time pad ,Modular Arithmatic ,GCD stream cipher , secret splitting and sharing block cipher Tutorial eclide algoriths, Chinese Remainder theorm , Descete Logarithm, Descete Logarithm, Fermats Theorms Math's activity Block generation & uses ,ECC Pentium real mode Math's activity Block generation & uses ,ECC Pentium real mode Math's activity Office in the pad ,Modular Security regarding issues faced by girls Security regarding issues faced by girls Math's activity Math's activity Block generation & uses ,ECC Pentium real mode Math's activity Block generation & uses ,ECC Pentium real mode Math's activity Block generation & uses ,ECC Pentium real mode Math's activity Block generation & uses ,ECC Pentium real mode Math's activity Block generation & uses ,ECC Pentium real mode P	Week of le ct. 30 Aug- 04 Sept- 10 Sep	Week of Le ct. Of Le ct. Fact Topic Name & Subtopic Video ID Virtual lab link Teaching Aid Chapter no. Page no,edition. No link for quiz or polition	Week of text. It No	Week of Le No Le Note to the control of Le Note Le Not

Hingen Nogper-44111

Dr. Millind Khanapurkar Princ(pal Mahash Karu Stre Shinahan Saneha's 'urneles Chilippe' (Egypneting for Wossen Hinga, Nappor-44118.

W EE K No	Week	No Of Le ct.	Un it No	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign						
				Hash Algorithms: SHA- 1,MD5		GD on implementatio			27/69								
		13 Sept - 5 I		Cryptograhpy Symmetric key algorithm : DES		n of algorithm			15/09	-							
4	13 Sept - 18Sept		Ι	AES					20/19								
	AMERICA AND AND AND AND AND AND AND AND AND AN									Blowfish Algorithm,					18/09		
				Attacks on DES					18/09		W						
	ACCEPTANCE OF THE PARTY OF THE				Modes of operations					21/09							
	AND THE PROPERTY OF THE PROPER			Linear cryptanalysis and Differential cryptanalysis		Disscusssion	Cryptography &		22/09								
5	20Sept- 24Sept 5	5		Public key algorithm :RSA,Key Exchange		on ATM frauds	network security by William		24/09	J							
			Tutorial			stalling											
			ш	Key Management Introduction,					11/10								

Glege of Ingline Hingha, Hosper-44111

W EE K No	Week	No Of Le ct.	Un it No	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
6	29Sept- 02Oct	4		Key Management: Generations, Distribution, Updation, Digital Certificate, X.509 certificates, Digital Signature, Diffiee Hellman Key Exchange		Disscussion online frauds			14/10 16/10 18/10 20/10		
7	04 Oct- 09 Oct		1			Ses	sional I		1001	1	T
8	11Oct- 16Oct		IV	One Way Authentication, Kerberos. Network Security Layer Wise Security Concerns IPSEC- Introduction, AH and ESP,		N/w Security			23/09	1	
9	18 Oct 22 Oct		IV	Tunnel Mode, Transport Mode, Security Associations, SSL-Introduction,		GD on implementati			220	1	





N E C O	Week	No Of Le ct.	Ur it No		Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
					Handshake Protocol, Record Layer Protocol.		n or argorium				Tutoria	
-					IKE-Internet Key Exchange Protocol.						lutoria	
1				1	Intrusion Detection Systems: Introduction,	-17						
					Anomaly based							
10	M Oct	t-	6	v	Signature Based, Host Based,			Cryptography & network security by				
10	POC POC	t		•	Network Based Systems.			William stalling				
					Security Management and Applications							
	W. Commission of the Commissio				Intruders, Intrusion detection, Password management,							
Γ					Worms, viruses, Trojans,							
	25 10 0	ct-			Virus countermeasures, Firewalls,							
1	11 300		5		Firewall design Principals,		-	-				-
	24				Trusted system, Electronic							
					Payment: Introduction, Payment types, over internet							-
r					Diwali Vacation 1Nov-	07 Nov						
L					transactions and						Ass 0	3
	1	1			attacke maxima ant			which				

Dr. Millind Khanapurkar Principal Maharak Karin Stree Shikahan Sanet Tunnies Collego of Engineeing for Wo Hingha, Nagpur 411118.

W EE K No	Week	1.	Un it No	Exact Topic Name & Subtopic	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assign ment/T utorial Date	AC's sign
	1284			Mobile Payments, Electronic Cash.							
12	08- 0et - 13 0c t	5	VI	Cyber Crimes & Laws							
	Ney			Forensics, Online							
	A A THE REAL PROPERTY OF THE PARTY OF THE PA			tracing and recovering electronic							
The second second second	O COLOR DE LA COLO			Internet fraud, Cyber Stalking, Identity Theft,				PRIVATE REPORT OF THE PRIVATE REPORT OF THE	THE STREET, MANAGEMENT, MANAGE	and the second	
	3 15 e	et,	7	Industrial Espionage, Cyber Terrorism.					Province of the latest and the lates		
ne canada de la ca		101	and the second s	IT LAWS					an de construent		
1						1 Dec-08 l	Dec Sessional				

Sub. Teacher



Dr. Millod Khanapurkar Principal Haashb Kom Stre Shaksan Sanethrik Junnias College of Expensing for Money Inches Street Shaksan Sanethrik



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan

CCOEW/ Department of Computer Engineering

2020-21

rof.	Suruchi Kitey				Cor	nputer G	raphics	
						BatchB	1	
Pi	Name of experiment	Lab ID	Possible variations used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva	Ac's Remark
1 1	To study the various Computer Graphics functions.	CE5CGD110820P01			24/8/21	24/8/21		
7 1	Write a program to generate a line using DDA Algorithm.	CE5CGD180820P02			31/8/21	318 21		
3	Write a program to generate a line using generalized Bresenham's algorithm.	CE5CGD250820P03			7/9/2021	7/9/21		1
4	Write a program to generate a circle in clockwise direction with center at origin and radius R.	CE5CGD010920P04			14/9/21	14/3/21		21/69
5	To study 2-D Graphics Primitives and Write a program to draw a HUT using Graphics Primitives.	CE5CGD080920P05			21/9/21	28/9/21		\int
6	Write a program to fill the polygon using simple seed fill algorithm	CE5CGD290920P06			28/9/21	21/9/21		
7	Write a menu driven program for 2-D transformations(translation,scaling).	CE5CGD061020P07			12/10/2021	25/10/21		121
	Write a program to implement a 2-D Rotation.	CE5CGD131020P08			26/10/2021	8/11/21		31
	Write a program to implement mid-point subdivision line clipping algorithm.	CE5CGD201020P09			2/11/2021	15/11		100

Sub. Teacher

Hingna, Hopper-441118

Dr. Millind Khanapurkar Principal Maharah Karre Stree Shikshan Sanet Turnins Collego de Engineering for Mo Mangan Nagor-Mary



Maharsk Karve Stree Shikshan Sams ka's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS / 20-21

Date: 23/ 8 / 2021

LESSON & TEACHING PLAN for TCP/IP & Internet

			ø		Depart	ment of Com	puter Engine	ering					
aculty I	Name: Prof	. Abhilas	na T. B	orkar				Sub: TCP/I	P & Internet		Year	2021-22	Sem:-V
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignmen /Tutorial Date	AC's sign
				Introduction to TCP/IP	BSE24TTCPW01D23 082021	TCP/IP_01			TCP/IP Protocol Suit (fourth		23 8		
				TCP/IP MODEL	BSE24TTCPW01D02 0621L02	TCP/IP_02		http://highered.mh education.com/site s/0073376043/stud	Edition) By Behruz Foruzan		25 8 21 8		
1	23Aug - 27Aug	5	1	Comparison of OSI Model and TCP/IP model	BSE24TTCPW01D02 0621L03	TCP/IP_03		ent view0/chapter	Chapter 1, 2-14 Chapter 2,19-40		3018,3118		7 0
				Networking Technologies: LANS, WANS.	0621L04	TCP/IP_04		multiple choice q uiz.html	Chapter 3, 47-80		1/93/9		9
				Networking Technologies: LANS WANS.	BSE24TTCPW01D02 0621L05	TCP/IP_05					29		20/09
				Connecting Devices							310		
				Internetworking Concepts				Physical devices router,switch,			819		
2	30Aug-	4 6		Architectural model				ethernet RJ- 45			819	V	,
-	Sep		1	Internet Backbones				connecting			913		
				NAP, ISP's RFC's				devices by behrouz foruzan			1419	/\	
				Tutorial				Denrouz foruzan			1419	Asylan	went I
				Internet Standards.							1619	16/9/	21
				IP address classes				Plan to show LAN	TCP/IP Protocol		1619	V	
3	6 Sep-	5		Internet Addresses				connections	Suit (fourth		1719	J	

Faculty in Charge





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Тор	oic ID	PPt ID	Video ID	Activity, tual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
				Classes,Classful Addressing,Classless Addressing					through video	Edition) By Behruz Foruzan Chapter 5,6		2019		
				Mask and subnetting					plan to give	115-150 161-178		2019		/
				Numerical based on Masking					activity to identify classes and no. of			20/9		
4	13 Sept-18	6	II	Subnet Mask					networks and no. of host based on			21)9		
•	Sept			ARP and RARP					numericals					
				Internet Protocol.,Routing IP Datagra	m					TCP/IP Protocol Suit (fourth		,		
				Tutorial					cisco packet tracer Simulator	Edition) By Behruz Foruzan		2019		
				Numerical based on Masking					installation and	Chapter 5,6 115-150		2119		
				two level and three level addressing					Perfroming	161-178		229		0
5	20 Sept- 24Sept	5	п	supernetting					practical based on Protocols and			9219		94
				Delivery and forwarding technicqs					configuration of			2319,8	919	75/1
	-			Delivery and forwarding technicqs						TCP/IP Protocol Suit (fourth		2319		1001
				Introduction to IPV4					considering	Edition) By		239		
	27 Sept- 1			Introduction to IPV4					student as a object	Behruz Foruzan Chapter 8, 221-		249		
6	Oct	2	II	Protocols on different layers					and perform client	237 Chapter		20019		1
				IPV4 Format					server communication	9,245-263 Chapter 13, 375-		2019		
				IPV4 Format					Communication	408 Chapter 14,		39/9		
						4 OCT	-9 OCT(SI	ESSIONAL-	1)			-(1)		•
		. **		Fragmentation						TCP/IP Protocol		29/9	121	10/21
				ARP					1	Suit (fourth		13/10	Assig	
8	11 OCT 16 OCT	6	п	RARP					configuring BGP protocol on packet	Edition) By Behruz Foruzan		11)10	9	-
	./			IPV6 Addressing				1	tracer	Chapter 18, 568 Chapter 19, 582		2919		
Facu	Ity in C	harge_		Transisition from IPV4 to IPV6				college of English	HOD	Chapter 20, 610		18/10		
	- 1	-					(m)	Hingna, Nagper-441118	1100		Dr. Millind Khanapurkar Principal Maharsh Karve Stree Shikshan Sanetha Sunnias College of Engineering for Woos Winora Natory 441198.	9		

VEEK No.	Week	No. Of Lect.	Unit No.		Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity tual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	AC's sign
				IC	MPv4							4810		200000000000000000000000000000000000000
	18 OCT	_			MPv4	-		-	Configuration of		· ·	20/10		
9	22 OCT	5	III	IC	MPv6			_	protocols on packet tarcer			20/10		
				Ro	outing Protocol,RIP	-			- packet tareer			26/11		
			_	0	SPF							9/11		
			l III	В	GP					TCP/IP Protocol		1)11,1	9 111	
				1	GP				understanding	Suit (fourth Edition) By		12/11/2		
10	25 OCT 30 OCT	6		1	ntroduction to Mobile IP				concept by real	Behruz Foruzan Chapter 18, 568		21110		
			11	7	Problem in Mobile IP				time example	Chapter 19, 582		21110	,	
					Introduction to multicasting				7	Chapter 20, 610		15 11		
					IGMP							16/11		
	1 NOV	-6			MOSPF							17111		
11	NOV		1	V	DVMPRP				configuring HTTP			18111		
					СВТ				protocol	TCP/IP Protocol Suit (fourth		1811)		
					Introductiuon to Transport layer					Edition) By Behruz Foruzan		22)11		
12	8 NOV			v	UDP and its services					Chapter 21,630 Chapter 23,24		23111		
	12.00	`			TCP and its services					Cimpter 20,21		24111		
					Flow control, congestion control				understanding			30/1/2	111	
	15 NO	v -			SCTP				concept by real			30/11		
13	19 NO			V	Socket concept					TCP/IP Protocol Suit (fourth Edition	n)	8112		
					Socket Programming					By Behruz Foruzar Chapter 22, 656	n	8/12		
Fa	culty in	Charg	e	_			Kingra, Hagper-4411	THE CLIENCE	HOD	Dr. Milind P Prin Maharah Kirva Str Turmina Celliga Of				

											1		
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Jual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	link for quiz or poll	Completi on Date	Assignment /Tutorial Date	
deparaments of the state of the				DHCP,DNS		Person					4/12,3/1		
and other sections of the section of	22 NOV -		-	Teinet, SSH							1)12	ASSAM	m
14	30 NOV	3	VI	FTP,TFTP							8719 1/12	17/12/1	3)
				HTTP and Electronic mail							8/12		
				SMTP,POP3,MIME and IMAP							17112		
15	1 DEC-8 DEC						Sectional II						

Sub. Teacher

Àc



Dr. Millind Khanapurkar Principal Maharah Karva Strus Sanahara Sanahara Luninsa College of Engineering for Mosa m Ingan Angaru-411th.

A

Faculty in Charge

HOD



Maharshi Carve Stree Shikshan Samstha CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Lab Practicals Plan

CCOEW/ Department of Computer Engineering

2

Pro	of. A. Borkar	TCPIP and	Internet			Departm	ent: CE				
			BatchB1			B2			В3		
Pi	Name of experiment	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
pri	print	print	fill	fill	print	fill	fill	print	fill	fill	fill
1	To study TCP/IP protocol suit	30-09-21	3019	32	30-09-21	3019	07	30-09-21	3019	52	
2	Configure star topology using Hub & Switch	06-09-21	619	33	06-09-21	619	33	06-09-21	619	23	
3	To Configure VLAN on switch	13-09-21	1319	06	13-09-21	1311	04	13-09-21	13/9	34	
4	To Configure VLAN on switch with Trunk mode	20-09-21	2019	0,	20-09-21	20/9	٠,	20-09-21	2019	ر د	
5	To configure router and perform communication	27-09-21	18/10	25	27-09-21	18110	02	27-09-21	18/10	20	
6	To implement NAT(Static,dyanamic,PAT)	04-10-21	26/10	2	04-10-21	26/10	07	04-10-21	26/10	27	
7	To implement RIP Protocol on router	11-10-21	9111	Og	11-10-21	2111	08	11-10-21	9111	09	
в .	To implement OSPF Protocol on router	18-10-21	16111	02	18-10-21	16/11	01	18-10-21	[6]11	02	
	Configure BGP Protocol	25-10-21	22/11	02	25-10-21	22/11	οι	25-10-21	22/11	, <	

Sub. Teacher



Dr. Millind Khanapurkar Principal Waharsh Karis Stree Shikshan Sanethi's 'unnies Cellege of Engineering for Women Nagar-Allege (Engineering for Women Nagar-Allege)

Αo



Maharshi Kove Stree Shikshan Samstha CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/AS / 20-21

Date: 2/ 8 / 2020

LESSON & TEACHING PLAN for Discrete mathematics and grapg theory

Department of Allied Science

						Departm	ent of	Allied So	ience					
	27.80	me: P	rof. S	neha Uttarwar					Sub: [MGT (Sem IV)	Branch: CE	Year:	2020-21	Sem:- IV
WE EK No.	Week	1	Uni t No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Link for Video	Activi ty/ Virtu	Refrence Book - Chapter no.	link for quiz or	Completion Date	Assignment/T	AC's sign
				SET THEORY: Propositions and Logical Operations, Quantifiers,	CE4DMGTW01L01				al lab	Page	poll	2/2/2021	utorial Date	
1	1 Feb	6	I	Conditional Statements and Tautologie	CE4DMGTW01L02	AM_LD_p pt_01						2/3/2021		
	o reb			Basic concepts of set theory	CE4DMGTW01L03									
				Operations on Sets, The power set	CE4DMGTW01L04	AM_EV_p				4		2/4/2021		
				Properties of Relations,	CE4DMGTW01L05	pt_02				ŀ		2/5/2021		
				Equivalence Relations & Partitions	CE4DMGTW02L06	AM_Caly_p pt_03						2/8/2021		100
			[1	Equivalence Relations & Partitions, Compatible Relation	CE4DMGTW02L07							2/8/2021		M.
-	Feb-		F	Manipulation of Relations, Composition of Relations, Transitive	CE4DMGTW02L08	AM_SY_p pt_04						2/9/2021		
	13 ₹eb	5	P	artial order relation	CE4DMGTW02L09							2/10/2021		
•							(alley	ngena, ar-441111		L	Dr. Milind Khanapurkar Principal			

	VE K We	ek c	of ct. N	1	Exact Topic Name & Subtopic Relations and	Topic ID	PPt ID	Video ID	Link for Video	Activi ty/ Virtu al lab	Refrence Book - Chapter no. Page	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
				. F	Relation,	CE4DMGTW02L10	AM_DE_p pt_05						2/12/2021	Assi -1_ 12/02/2021	
				I	81	CE4DMGTW02L11							2/13/2021	Tutorial-I	
					Hasse Diagrams, Definition, Composition of functions,	CE4DMGTW03L12							2/15/2021	Tatorial-i	
				I	Types of Functions, nvertible Function, Permutation Function,	CE4DMGTW03L13	AM_PDE_ ppt_06						2/15/2021		
3	15 Feb - 20	5		I	Types of Functions, nvertible Function, Permutation Function	CE4DMGTW03L14							2/16/2021		
	Feb			a	Characteristics function of a set with Theorems	CE4DMGTW03L15							2/17/2021		
				c	Generating Functions	CE4DMGTW03L16	AM_PDE_ ppt_07						2/18/2021		1
				_		CE4DMGTW03L17							2/20/2021	ì	9/4
				L		CE4DMGTW04L18	AM_PDE_ppt _08						2/22/2021		
			VI			CE4DMGTW04L19							2/23/2021		
4	22 Feb- 27	5		Co		CE4DMGTW04L20	AM_PDE_ppt _09						2/24/2021	Assi_2	~
	Feb				geonhole Principle with nple Application	CE4DMGTW04L21	Cheer of English Magnet States	Las frains			Dr. Millod Khanapurkar Dr. Millod Khanapurkar Manakh George (Talmong In Ma		2/25/2021	Tutorial-2	

EK No.	Week	2	Uni t No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Link for Video	Activi ty/ Virtu al lab	Refrenc Book - Chapter no. Page	'ink for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
Coloradorna Marrio e a coloradorna de coloradorna d		and productions between		Basic concepts of Graph Theory,	CE4DMGTW04L22							2/26/2021	5	
				Basic concepts of Graph Theory,	CE4DMGTW04L23	AM_FS_ppt_ 10						2/27/2021		
Antiportizionistri (fin				Digraphs, Basic definitions	CE4DMGTW05L24							3/1/2021	Austropologistica	
		o mandaman-sentence	and second second	Paths and Circuits, Reachability	CE4DMGTW05L25							3/2/2021	A COLUMN TO THE	
and the many residence of the	l Marc	2	Coltradiction (Coltradiction)	Connectedness Subgraphs & Quotient Graphs,	CE4DMGTW05L26							3/3/2021	in the second se	at description of the second
4)	h-6 Marc	6		Connectedness Subgraphs & Quotient Graphs,	CE4DMGTW05L27	AM_FT_r	q					3/4/2021		
candita abbique (vialar	And the second s	National Control of the Control of t	1	Isomorphic digraphs & Transitive Closure	CE4DMGTW05L28							3/5/2021	SPARENTEEN SPARENTEEN SPA	TAR ARCHITECTURE STATES
De authorite de Establishe	March promote States	e de la constante de la consta	STREET, SPECIAL SPECIA	digraph, Euler's Path & Circuit (only definitions	CE4DMGTW05L29							3/6/2021	is general values and in	Company of the compan
	Na ventra appropriate de la facilita del la facilita de la facilit			digraph, Euler's Path & Circuit (only definitions and examples,	CE4DMGTW06L3	0						3/9/2021	Tutorial-3	8 1
6	Mar h-1	3 4	is special and a second displaying the secon	Trees, Binary Tree, Labeled Trees,	CE4DMGTW06L3	1						3/11/202	21	1925
	Man	c		Undirected Trees,	CE4DMGTW06L3	AM_CI t_12	pp					3/12/200	21	A CONTRACTOR OF THE PARTY OF TH
			-Chulmage/metabong-malan-	Spanning Trees of Connected Relations	CE4DMGTW06L	33						3/13/20)21	
		-				SESSIO	NAL-1	(7 Mai	ch - 15	March)				
	22 Marc	9		Prim's Algorithm to construct Spanning	CE4DMGTW07L	.33						4/27/2	2021	-
	h- 27 marc	1		Binary Operations, Properties, Semigroups,	CE4DMGTW07L	.34						4/28/	2021	
	h	5		Moneids,	CE4DMGTW07I	L35 AM_C t_13	Cl_op	Tho			L. Jind	4/29/	/2021	
		1	1				Hing Hopper	14.111 0 00 00 00 00 00 00 00 00 00 00 00 0			Dr. Millind Khamapurkar Principal Mahash Kare Stee Shikhan Saeshi's Tunniss Ciliga of Expinency for Worken Hipps, Nappur46115			La Para Library

	VE K Wee	ek/	No. Of ect.	t No.	Subtopic	Topíc ID	PPt ID	Video ID	Link for Video	Activi ty/ Virtu al lab	Refrend Book - Chapter no. Page	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
				111	***	CE4DMGTW07L36							4/30/2021	Assi3	
					Submonoid,	CE4DMGTW07L37						*	5/3/2021	Tutorial-4	
10					Isomorphism & Homomorphism Groups (only definitions and	CE4DMGTW08L38							5/5/2021		
	29				nomomorphism Groups	CE4DMGTW08L39							5/6/2021		
	Marc h-3		4		Rings		AM_LT_pp t_14						5/7/2021		
	April					CE4DMGTW08L41							5/10/2021		
					Fields, Integral Domain,	CE4DMGTW08L42							5/12/2021		
					Ring Homomorphism (definitions & examples),	CE4DMGTW08L43							5/13/2021		
11					Ring Homomorphism (defin	CE4DMGTW09L44							5/18/2021		
					Ring Homomorphism (definitions & examples),	CE4DMGTW09L45	AM_LT_p t_15	р					5/20/2021		
	5 April	-	_		Lattices: Properties, Types of Lattices,								5/21/2021		
	10 April	1	5		Lattices: Properties, Types of Lattices,								5/25/2021		<u>₩</u> .
					Lattices: Properties, Types	CE4DMGTW09L48							5/27/2020)	
				ıv	Isomorphic Lattices,	CE4DMGTW09L49							5/28/2020	0	
12	12 April- 17		4		Isomorphic Lattices,	CE4DMGTW10L50	AM_LT_ t_16	рр					5/31/202	n	
	April				Complemented & Modular Lattices (definitions &	CE4DMG1 W10L31	1						6/1/202	21	
					Complemented & Modular Lattices (definitions &	CE4DMGTW10L52	Gliege at Ing				Kindind Dr. Milind Khanapuri		6/2/20	21 Assi_21_1 0	2-24

Dr. Milind Khanap Principal Maharah Karre Stres Shikas Jumilis College of Engineen Hinges, Nappu-441

1	WE Wee	k of	No.	Subtopic	Topic ID	PÞt ID	Video ID	Link for Video	Activi ty/ Virtu al lab	Refre Book Chapter no. Page	link for quiz or poll	Completion Date	Assignment/T utorial Date	AC's sign
				Complemented & Modular Lattices (definitions &	CE4DMGTW10L53							6/3/2021	Tutorial- 5	
				Boolean Algebra	CE4DMGTW10L54							6/4/2021		
			Total Bridge	Boolean Algebra	CE4DMGTW11L55			i ik				6/5/2021		
13			and the second	Properties,Simplification of	CE4DMGTW11L56	AM_CV_pp	t_17					6/8/2021		
	19			Properties,Simplification of	CE4DMGTW11L57							6/10/2021		
	April-	5		Properties, Simplification of Switching Circuits	CE4DMGTW11L58							6/12/2021		
	April			RIVISON	CE4DMGTW11L59							6/16/2021		
				RIVISON	CE4DMGTW11L60							6/18/2021		
16						1		Session	al II					

Prof. Sneha Uttarwar

Sub. Teacher

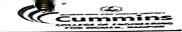
Sax De.







CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Stargening Engineering Acumen with a difference



CCOEW/CE/ 20-21

Date: 29/ 01 / 2021

					De	partment of Comput	er Engineerin	g						
culty	Name: Prof.	. Harshwa	ardhan I	Charpate				Sub: Microproc	essor		,	Year: 2	2020-21	Sem:- IV
EEK lo.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPT ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	link for quiz or poll	Compl	28.200 (2000)	Assignment/Tu torial Date	AC's sign
				Introduction	CE4MPW01D010221L01	MP_CE_PPT_01					01/	02		1
					CE4MPW01D020221L02	MP_CE_PPT_01		Socratic Questioning	Advance Microprocessors		02			
	01 Feb -06	6	I	8086 architecture	CE4MPW01D030221L03	MP_CE_PPT_01			and Peripherals.K M		03	02		
l	Feb		1	8086 Pin configuration	CE4MPW01D040221L04	MP_CE_PPT_01			Burchundi & A		04			
					CE4MPW01D050221L05	MP CE PPT 01			K Ray. Pg.No. 1-		DE	62		
	The state of the s			Software model of 8086 microprocesso	CE4MPW01D060221L06				33		06		pa u	
				Memory addresses space and data organization. Data types	CE4MPW02D080221L07	MP_CE_PPT_01					08	ol		
		STATE OF THE PARTY		Segment registers, memory segmentation	CE4MPW02D090221L08				Advance Microprocessors		09			
_	08 Feb -13	_	١.	IP & Data registers	CE4MPW02D100221L09	MP_CE_PPT_01		9.	and		10	62		
2	Feb	5	I	Pointer, Index registers	CE4MPW02D110221L10				Peripherals.K M Burchundi & A		11/	52		
			en et de la company de la comp	Memory addresses generation	CE4MPW02D120221L11			Memory Address Generation Examples	K Ray. Pg No. 35		12	02	Tutorial	8
			1	8086 Instruction set overview	CE4MPW03D150221L12	MP_CE_PPT_02			Advance		110	102	Assignment	1 38
	15 Feb 20			Addressing modes	CE4MPW03D160221L13	MP CE PPT 02			Microprocessors			0		1
3	15 Feb -20 Feb	5	II	8086 instruction formats	CE4MPW03D170221L14	MP_CE_PPT_02			and Peripherals.K		11-	102		
	1			Data transfer instructions	CE4MPW03D180221L15	MP_CE_PPT_02			M Burchundi & A		1	2015		
				Data transfer instructions	CE4MPW03D200221L16	MP_CE_PPT_02			K Ray. Pg No. 43		20	102		
				Arithmetic instructions	CE4MPW04D220221L17	MP CE PPT 02] ,,		1 22	102		
		1		Arithmetic instructions	CE4MPW04D230221L18	MP_CE_PPT_02			Advance			3 0	1	
	22 Feb -27			Arithmetic instructions	CE4MPW04D240221L19	MP_CE_PPT_02			Microprocessors and		2	410	才	
1	Feb	5	п	Programming	CE4MPW04D250221L20			Pass the Problem	Peripherals.K M Burchundi & A			102		and the second
				Programming	CE4MPW04D260221L21			Programs	V P		2	6(0)	Tutorial	
				Logical instructions	CE4MPW05D010321L22	AN CO CO			Advance			103		
				Logical instructions	CE4MPW05D020321L23	MP CE PPT 03			Microprocessor	rs	10	2/0	3	
	01 Mar- 06		1	Programming	CE4MPW05D030321L24	MP CE PPT 03			and			310		
	Mar	6		Shift and rotate instructions	CE4MPW05D040321L25	MP_CE_PPT_03		Role Play	Peripherals.K	м	10	410	3	



HOD

VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPT ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Compress		signment/Tu torial Date	AC's sig
	discussion of the same of the			Shift and rotate instructions	CE4MPW05D050321L26	MP_CE_PPT_03			Burchundi & A		1050			1
			Ш	Programming	CE4MPW05D060321L27			Programs	K Ray.		10610	-		1
		TO THE PERSON		8086 flag register and Flag control instr	CE4MPW06D080321L28	MP_CE_PPT_04			Advance Microprocessors and		68/		Assignment	1
6	08 Mar- 13 Mar	4		compare instruction	CE4MPW06D090321L29	MP_CE_PPT_04		į	Peripherals.K M		1091	031		X
1		1		control flow and jump instructions	CE4MPW06D100321L30	MP_CE_PPT_04		Taking	Burchundi & A		1010			4
_	-			control flow and jump instructions	CE4MPW06D120321L31	MP_CE_PPT_04		Command	K Rav.		121	03		Ц_
7	15 Mar- 20 Mar						Sessional I							
and Mental				Programming	CE4MPW08D220321L32			Programs			22		Tutorial	1
-	Î	1	ш	Loops & loop handling instructions	CE4MPW08D230321L33	MP_CE_PPT_04			Advance Microprocessors		231	-31		
8	22 Mar- 27 Mar	5	1	Programming	CE4MPW08D240321L34				and Peripherals.K		241			die
and the same	WIZI	- 1		The 8086 stack segment	CE4MPW08D250321L35			Demonstratio	M Burchundi & A		2010			The same
	1	1	IV	Stack Instruction	CE4MPW08D260321L36	MP_CE_PPT_05		n On Actual	K Ray.		200			
-	-			Stack Instruction	CE4MPW09D300321L37	MP_CE_PPT_05		Stack Structure			3010			1
				8086 I/O Address space	CE4MPW09D310321L38	MP_CE_PPT_05		Suddiale	Advance Microprocessors					1
	29 Mar- 03	. 1	137	8086 I/O Address space.				-	and		3110	3		\vdash
9	Apr	4	IV	Subroutines and related instructions	CE4MPW09D010421L39	MP_CE_PPT_05			Peripherals.K M Burchundi & A		010	4		\perp
				Substitutions and related instructions	CE4MPW09D030421L40	MP_CE_PPT_05			K Ray.		03)0	41	and the same of th	
				Concept of Macros	CE4MPW10D050421L41	MP_CE_PPT_05					०४०	-		\top
				Status saving on stack	CE4MPW10D060421L42				Advance Microprocessors		86/0	4		
10	05 Apr- 10 Apr	5	IV	Concept of recursion at assembly program level	CE4MPW10D070421L43				and Peripherals.K M Burchundi & A		07/01	4		
				8086 Programming using subroutines, recursion and macros	CE4MPW10D080421L44				K Ray.		08 0	4		1
				8086 Programming using subroutines, recursion and macros	CE4MPW10D090421L45						09/6	4		
				8086 I/O: Types of input output	CE4MPW11D120421L46	MP_CE_PPT_06			Advance		1210	4		
11	12 Apr- 17	4	v	isolated I/O interface	CE4MPW11D150421L47				Microprocessors and		15/01	_		1
•••	Apr			input output data transfers	CE4MPW11D160421L48			1	Peripherals.K M		1610	4		
					CE4MPW11D170421L49				Burchundi & A K Ray.	***************************************	1210			
				1/O instructions and bus cycles 8255 PPI: pin diagram	CE4MPW12D190421L50	MP_CE_PPT_06		Case study	Advance		1910	-	Assignment	
	19 Apr. 24			Internal organization	CE4MPW12D200421L51	MP_CE_PPT_06			Microprocessors and		2010	-		1
12	19 Apr- 24 Apr	4	v	modes of operation. 8086 I/O	CE4MBW12D2204211 62	MP CE PPT 04	1		Peripherals.K M Burchundi & A					1 8
				programming using 8255.	CE4MPW12D220421L52	MP_CE_PPT_06		ļ	K Ray.		22/0	71		10
				modes of operation. 8086 I/O programming using 8255.	CE4MPW12D230421L53	MP_CE_PPT_06			Pg.No.149		23/0	4		17
_			 	8086 Interrupts types	CE4MPW13D260421L54	MP CE PPT 07	+	-				4		1
				priority and instructions.IVT	CE4MPW13D270421L55	MP CE PPT 07	†		Advance		2210			
	26 Apr- 01			Software interrupts. Non-maskable					Microprocessors		1			
13	May	5	VI	Interrupts Programmable Interrupt Controller	CE4MPW13D280421L56	MP_CE_PPT_07		-	and Peripherals.K M Burchundi & A		1-01	4		+
				8259: pin diagram	CE4MPW13D290421L57	MP_CE_PPT_07			K Ray. Pg.No.223		29/0			
				Internal Organization	CE4MPW13D300421L58	MP CE PPT 07			1		300			
				Internal Organization	CE4MPW14D030521L59	MP CE PPT 07					3000	1		+
14	03 May- 07	5	VI	Programming 8259 Programming 8259	CE4MPW14D040521L60	-		Programs	1	ALL THE RESIDENCE OF THE PARTY	+	-	Tutorial	+
•	May	-	••	1 togramming 6239	CE4MPW14D050521L61	+	+	Programs	-		+			1
							 		1	and the second s				
15							Sessional II	-	-	Anna management and a superior of the state of	-			1

Faculty in Charge









Maharshi Garve Stree Shikshan Samsthá's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Starpening Engineering Acuren with a difference



CCOEW/CE / 20-21

Date: 29/ 1 /

2021

LESSON & TEACHING PLAN for File Structure & Data Processing

					Department of Con	nputer F	Enginee	ring					1
Faculty	y Name: F	Prof. S	.Kham:	ankar				Sub: FSDF	Р	Sec:	Year: 7	2020-21	Sem:-
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Book - Chapter no. Page	link for quiz or poll	Completion Date	Assignme nt/Tutori al Date	
				File structure design	CME402TW01D10221L0		The state of the s	given task to find out examples of logical &			11272024		
		1		File processing operations :open, close	CME402TW01D10221L0 2			physical file			212/21		
	1Feb -			File processing operations : read, write, seek.	CME402TW01D10221L0			small program writing on file oeration	File Structres		312121		
1	6Feb	6	I	Unix directory structure, Secondary storage devices: disks,	CME402TW01D10221L0			PPT /images https://www.youtube.co m/watch?v=NtPc0jl21i 0 show the video	An object -		4/2/2/		
				tapes	CME402TW01D10221L0	FSDP	- FSDP		with C++ by Michael		57242		1974
				CD-ROM	CME402TW01D10221L0	01	V1-01	L .	Folk,Greg Riccardi,Bil		6/2/24		1
				Buffer management	ČME402TW01D10221L0 7	1		harddisk,CD-Rom in	l Zoellick		8/2/21		
				I/O in Unix.	CME402TW01D10221L0			e-waste room with Sachin H. along with MCQ's	pg- h 28,41,45,46, 53,55,72		912121		
2	8Feb- 12Feb	5		I/O in Unix.	CME402TW01D10221L0	7			to117		1012121		
				File Structure Concepts: Field	CME402TW01D10221L1	1					11 12/21		-
			1	File Structure Concepts: record organ	CME402TW01D10221L [*]	T			1		112121		#
				Using classes to manipulate buffers,	CME402TW01D10221L1	ı			FS-chpt-4-p)g·	15/217	u	#

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab	Book - Chapter no.	link for quiz or poll	Completi on Date	Assignme nt/Tutori al Date	AC's sign
				Selective indexes, Binding.	CME402TW01D10221L2 9					2	30/4/21	7	
7					1 5Mar-20	Mar S	ession	a l - I					1
-	2 104			Cosequential processing : Object- Oriented model its application	CME402TW01D10221L3 0			Code practise for			31512	T /	
	3 May			Internal sorting: a second look.	CME402TW01D10221L3 1			sorting	FS-chpt-8-pg		415121		
ж .	22Mar 27Mar	5		File Merging: Sorting of large files on disks.	CME402TW01D10221L3 2			*	8-pg-327		515121		SD
					CME402TW01D10221L3 3			Activity given based	FS-chpt-8-pg-	•	615[2]		
				Sort merge packages.	CME402TW01D10221L3			on Data Structures also given task to	378	201	71512		$\overline{}$
	15 May	/		Sorting and Cosequential processing in unix	J	ECUD	FSDP-	find out small application based on	FS-chpt-8-pg-	100	167 5/4		
9	2 9) (a		IV		CME402TW01D10221L3		V1-04	the concept of tree			1115721	\ 	_
	3 Apr			Multilevel indexing:	CME402TW01D10221L3 7				FS-chpt-9-pg- 396		2512		
				Indexing using Binary Search trees	8				FS-chpt-9-pg- 397		131512		
	24140	7		OOP based B-trees.	CME402TW01D10221L3 9			*	FS-chpt-9-pg- 398		<u>जि</u> डि। य		
	28 May			B-tree methods Search	CME402TW01D10221L4 0	* (27	FS-chpt-9-pg- 420		2415721		
10	5Apr-	_			CME402TW01D10221L4				TO 1 0		257514		
10	9Арт	5		Insert and others.	CME402TW01D10221L4 2				FS-chpt-9 pg-		2615121	-	
				Deletion, merging & redistribution.	CME402TW01D10221L4				FS-chpt-9-pg 429,432		7 5121		1
					CME402TW01D10221L4 4				TO short 0 may		2815124		_
				B*trees	CME402TW01D10221L4 5			Continue	FS-chpt-9-pg- 434		2815721		
							Mahan Cumai	Ir. Milind Khanapurkar Principal h. Karva Stree Shahasan Sarethu's ac Citigan of Exponentia for Wasan ingana, kappur Alfillit					Name and the second second

WEEK No.	Week	No Of Lect	No		Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid		nk for Completi Assignme AC's nt/Tutori sign poll
	31May			B+	tree	CME402TW01D10221L4 6					3115121
11 1	1 2Apr 17Apr	5		B++	· tree	CME402TW01D10221L4 7					118121
	5		v	Vir	tual B-trees.	CME402TW01D10221L4	FSDP- 05	FSDP V1-05		FS-chpt-9-pg-	215121
	JONE			VL	records & keys.	CME402TW01D10221L4		1103	Discussion/Gooogle Search data	439	3/8/21
	7501	,	1	Ind	dexed sequential file access	CME402TW01D10221L5	5		collection/ Aniamted	Ing-450	716121
	11Jun	4		In	dexed sequential file access	CME402TW01D10221L5	5		Videos/Assignments Chart Preparation	FS-chpt-9-pg-	9161 21
	194-			P	refix B+trees.	CME402TW01D10221L	5			FS-chpt-9-pg-	916121
12	12 19 <u>Apr</u> -24Apr	er 5	5	P	Prefix B+trees.	CME402TW01D10221L	.5			FS-chpt-9-pg-461	916121
					Hashing: Introduction	CME402TW01D10221L	.5			FS-chpt-11- pg-490	10161 21
				-	simple hashing algorithm.	CME402TW01D10221I	_5			FS-chpt-11- pg-494	101612 / 8)
	1	_			Hashing functions	CIVIL-4021 WOID 102211			Task given to find	FS-chpt-11-	111612
	14	June			record distributions.	7			out various method	S FS-chpt-11-	12/612/
	19	JUIL			Collision resolution.	CME402TW01D10221		P- FSI	the marginal of the control of the c	FS-chpt-11-	1216121
	'0'	7517		VI	Buckets. Making deletions.	CME402TW01D10221	()(5 V1-	06 find out differnces	FS-chpt-11-	1316121
13	31	Appr.	5		Pattern of record access.Implementation.	CME402TW01D10221	L6		within them & MCQ's	FS-chpt-12- pg-553,556	141 6121
	Test.	AZY				CME402TW01D10221	L6		MCQs	FS-chpt-12-	
					Performance, Alternative approac	hes. CME402TW01D10221	IL6			FS-chpt-12- pg-574,577	1 10101
					Performance, Alternative approace	ches. CME402TW01D1022	1L6			FS-chpt-12 pg-574,577	1 111991
14	4	lay- lay	5						Revision		

10May 15May Sessional -II





LESSON & TEACHING PLAN CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR

COMPUTER ENGINEERING

Session:-2020-21

		Faci	ıltv N	ame: Prof. Sharayu J Deote		Sem:-VI CE		Subject: DBI	MS	100000000000000000000000000000000000000
Wee k No.	Week	No. Of Lect.	Unit No.		Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignme nt/Tutoria Date	AC's sign
1	1 Feb-6 Feb	6		UNIT I: Introduction to Database Systems Database Systems: Significance and advantages, Types of Databases, the DBMS Environment Limitations of File processing system,	1.Drawing	1. Abraham Silberschatz, Henry F. Korth and S. Sudarshan, 5th Edition, McGraw Database System Concepts 5th Edition, McGraw Hill (SIE), 2013.		08/02		
2			1	DBMS Architecture, Functions of DBMS, Data Abstraction, Data Independence,	competition 2.Make group of 6 to 5 students , give copy of	pg no. 1 to 28 ,chno 1	*			DE.
	8 Feb- 12 Feb	1 h		Formal relational query languages: Relational Algebra,	prepare comparative table for symbols used 3.Practice Query examples	ch no 5 ,pg no 163 to 198 from same book				
3				Tuple Relational calculus, Domain Relational Calculus.		Tibo Holli Sallie Book		13 02		

LESSON & TEACHING PLAN CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR COMPUTER ENGINEERING

Subject: - DBMS

Ay - 20-21

Semester: - 6th

Sr			B1		32		B3		
No	Name of Practical	Planed Date	Performed Date	Planed Date	Performed Date		Performed Date	No. of Viva done	AC's Remark
1	Introduction to SQL Environment and Application of DBMS,To Study DDL & DML Command & use it for banking database	0//02	01/02	02/02	02/02	05/02	05/02	done	Remark
2	To study types of selectwhere clause ,Use of Order by ,Group by & Date clause	08/12	01/02	02/12	02/02	05/02	05 lv2	- (
3	To implement nested query (sub query) by using IN & NOT IN clause	08/02	08/or	09/02	09/02	202	12/0		
4	To implement various types of SET OPERATORS (UNION, INTERSECT, MINUS) On banking application	15/14	19/02	20/04	20/04/	11/04	16/04	:	
5	To apply SQL Aggregate Functions on banking application(AVG,COUNT,SUM,MIN,MAX)	26/14	19/04	27/07	20/03/3	30/02/	30/19		8
6	Study and implementation all JOIN Operators	24/05	24/05	25/05	25/05	28/05	28/05		
,	Study WITH clause & create VIEW	7/06	oH06	08/06	08/06	11/06	11/06		





8	PL/SQL programs	14/06	15/06	15/06	15/06	20/81	18/06	
9	Design of E-R diagram Apply Normalization on database	21/06	27/06	22/06	22/6	25/06	,25/06	<u>\$8</u>
10	Application development (case study)(Database Connectivity)	28/06	28/06	28/06	28/06	29/06.	29/86.	

NAME & SIGNATURE OF SUBJECT TEACHER

Signatures of AC *



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Date: 29/ 01 / 2021

LESSON & TEACHING PLAN for System Software

acult	y Name: Pro	f Harehur	andhan	Charnate	7	Department of Comp	uter Engineeri	ing					
acuit	y Ivaille. Fit	I naisiiw	l	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				Sub: Syster	m Software		Year:	2020-21	
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPTID	Video ID	Activity/ Virtual la link Teachi Aid	b Refrence Book -	link for quiz or poll	Completion Date	Assignment/Tu torial Date	Sem:- \
	***************************************			Introduction/Background of Subject	CE6SSW01D010221L01	SS CE PPT 01						4	1
				Definition, Components of system softy	CE6SSW01D020221L02	SS_CE_PPT_01			Systems		101104		
				Evolution of system software	CE6SSW01D030221L03	SS_CE_PPT_01			Programming By		n2/02		
1	01 Feb -06 Feb	6	I	Language translators, Machine		35 CE FFI UI			John J. Donovan.		03/02/		
	reu	erri erri erri		Structure, Machine Language	CE6SSW01D040221L04				Tata McGraw		- /		
	*********	500000		Assembly Language instructions	CE6SSW01D050221L05				Hill. Pg. No. 1-		04/02		
	the second second	eser const		Assemblers	CE6SSW01D060221L06	CC OF PPT 04			38		05/02/		1
		1	-	Structure of an assembler		SS_CE_PPT_01				· ·	06/62		
	destroite	DOS CONTRACTOR OF THE PROPERTY	20000000	Design of two pass assembler and	CE6SSW02D080221L07	SS_CE_PPT_01					08/62	+	-
	ay constructive to recommend	Anna La managa d	AND ALCOHOLD	Single Pass assembler Design of two pass assembler and	CE6SSW02D090221L08	SS_CE_PPT_01		Assembler Role Play	Systems	-	9/62		
2	08 Feb -13 Feb	5	I	Single Pass assembler Data structures used for design of	CE6SSW02D100221L09	SS_CE_PPT_02			Programming By John J. Donovan.			Tutorial	-
	AND THE PROPERTY OF THE PROPER	NAME AND ADDRESS OF THE PARTY O	TO SERVICE STATE OF THE SERVIC	assembler	CE6SSW02D110221L10				Tata McGraw		1102	14107141	
		Assessed Assessed to the Control of	are payed (Coloreda Co.	Design and Implementation of two pass assembler	CE6SSW02D120221L11	SS_CE_PPT_02			Hill. Pg. No. 59		402		\dashv
	T reaches and the second		ALL THE PERSON NAMED IN COLUMN TO PERSON NAM	Error handling and Symbol Table management	CE6SSW03D150221L12	SS_CE_PPT_02				The same of the sa		and the same of th	
3	15 Feb -20	5	I	Handling constants, literals, labels and Procedures	CE6SSW03D160221L13				Systems Programming By		102		
	Feb	and the same of th	· Constitution canada	Numericals based on assemblers	CE6SSW03D170221L14		1	Numericals J	ohn J. Donovan. Tata McGraw	Marie Marie		gnment /	_
	Neglectics ()	and the same of th	Ti Aramoré	Numericals based on assemblers	CE6SSW03D180221L15			Solving	Hill. Pg. No. 77		7/02	11 -	
- Contraction	-			Cross assembler.	CE6SSW03D200221L16				8.10.11	\ 9	102	1 18	THE
	ALL PROPERTY OF THE PERSON OF	THE STATE OF THE S	NAME OF TAXABLE PARTY.	Macro language and macro processor	CE6SSW04D220221L17	SS_CE_PPT_01					0 02	1 2	7
1	22 Feb -27		- A	macro instructions	CE6SSW04D230221L18				Systems		4024		
7	Feb	5	II	realures of macro facility, macro	CE6SSW04D240221L19		· · · · · · · · · · · · · · · · · · ·	P1	rogramming By ohn J. Donovan.	23	10		
	TWO WAY	NAME OF THE PERSON OF THE PERS	- September - Sept		OF CORNEL				Tata McGraw	24	102		
		The state of the s	204			SS_CE_PPT_01	Pestinic		fill. Pg. No. 111		102		
						SS_CE_PPT_01			. B. 140. 111	26			
				Committee of the commit	CE6SSW05D010321L22	SS CE PPT 01	· · · · · · · · · · · · · · · · · · ·	Tribital personal management	Action to the second se	21	63		-
_	01 Mar- 06		II	mplementation	CE6SSW05D020321L23	SS_CE_PPT_03		umericals Solving	Systems		1.3		
5	Mar	6		Implementation (CE6SSW05D030321L24	SS CE PPT 03	- Tomas	PT	ogramming By	***************************************		The state of the s	
	OUT	-		Examples (E6SSW05D040321L25	SS CE PPT 03	-		hn J. Donovan.	03)	031		
	Personatellin		III	Basic Loader functions Loader schemes, "Complier and go"		SS CE PPT 01	***************************************		ata McGraw	104	103		
				Loaders		SS_CE_PPT_01	The second secon	Marine and the Control of the Contro	ill. Pg. No.149		103		
. 1	08 Mar- 13			absolute loaders C.	E6SSW06D080321L28	SS_CE_PPT_01	· · · · · · · · · · · · · · · · · · ·	AND THE PROPERTY OF THE PROPER			3		
. 1	13	4	111		The state of the s	SS CE PPT 01	· · · · · · · · · · · · · · · · · · ·	Committees or resembly received	Systems	08	0)	And the second s	
				-	4	e al Eng	and the second	Pro	ogramming By	69			

PI



Dr. Milind Khanapurkar Principal Maharsh Kirve Stres Shikshan Sanetha's Tunnies College of Engineering for Women Hingsa, Nagpur-441118.

	Mar	*	***	relocating loaders	CE6SSW06D100321L30	SS_CE_PPT_01		John J. Donovan.	10163	T'
			1	direct linking loaders	CE6SSW06D120321L31			Tata McGraw	12163	+
1	15 Mar- 20	***************************************				Sess	ional I		and the same the same the same the same the same the same the same the same the same the same the same the same	
_	Mar	******			00/00/11/00/00/00/11/00	T				
				0	CE6SSW08D220321L32		TOWN CONTROL OF THE PARTY OF TH		22/03	
				Binders, linking loaders, Overlays,	CE6SSW08D230321L33	SS_CE_PPT_06		Systems	23)03	1 /
******				Dynamic Binders	~~		.cq.ccmo,acoacoacoacoacoacoacoacoacoacoacoacoacoa	Programming By	1	
2	2 Mar- 27	5			CE6SSW08D240321L34			John I Donovan	24/03	
	Mar			Design of a Direct – Linking loaders			Problems		25/03	
-					CE6SSW08D250321L35	SS_CE_PPT_04	Solving or	ⁿ Pg. No.168	1.0103	
-				D : 6 D:			Loaders			
		(CE6SSW08D260321L36	SS_CE_PPT_04			26/63	
1			III		CE6SSW09D300321L37			Systems	25 63 Tutorial	
9	29 Mar- 03	4			CE6SSW09D310321L38			Programming By	31/03	
	Apr		ıv		CE6SSW09D010421L39	SS_CE_PPT_05		John J. Donovan.	01/04	
				Phases of Compiler	CE6SSW09D030421L40	SS_CE_PPT_05		Tata McGraw	63 64 Assignment	1
1				Phases of Compiler	CE6SSW10D050421L41	SS_CE_PPT_05		Suntama	105/04	
				Lexical Analysis	CE6SSW10D060421L42	SS_CE_PPT_05		Systems Programming By	06904	
10	05 Apr- 10	5	IV	Syntax analysis Grammars	CE6SSW10D070421L43	SS_CE_PPT_05		John J. Donovan.	07/04/	
10	Apr		1	Introduction to Top down v/s bottom	CE6SSW10D080421L44			Tata McGraw Hill.		
				up parsing				Pg. No.279	02/04/	
				Semantic Analysis and SDT	CE6SSW10D090421L45	SS_CE_PPT_05		16.110.27	10912	
			IV	three address code intermediate code for				Systems	12104	
11	12 Apr- 17	4		Compiler generation tools	CE6SSW11D150421L47			Programming By	11061	
	Apr			LEX and YACC	CE6SSW11D160421L48	SS_CE_PPT_05		John J. Donovan.	1664	
		-	-	Interpreters	CE6SSW11D170421L49			Tata McGraw Hill.	19/04	
			COMPANY OF THE PERSON OF THE P	Unix Device Drivers	CE6SSW12D190421L50	SS_CE_PPT_06		. D C	19/04/	
	19 Apr- 24			Device Programming	CE6SSW19D200421L51			Device Drives for Windows by	20/04/	
12	Apr	4	V	Installation and Incorporation of driver	CE6SSW19D220421L52			Norton, Add	001/	1.7
		4		routines				Wesley.	22/04	1 (5)
				Basic device driver operation	CE6SSW19D240421L53	SS_CE_PPT_06		,	24/04	1 2
				Implementation with Line printer	CE6SSW13D260421L54	SS_CE_PPT_06		Intel®04 and IA-	26/04	
	26 Apr- 01		V	Implementation with Line printer	CE6SSW13D270421L55			32 Architectures Software	27/04	
13	May	5		Comparative study Unix/Windows	CE6SSW13D280421L56			Developer's	28/04	
			VI	Case study of Intel®64 and IA-32	CE6SSW13D290421L57		Case study	Manual Volume1:	29104	
******	-	-	-	Basic architecture	CE6SSW13D300421L58			Basic Basic	36/04	
		NAME OF TAXABLE PARTY O	Circumstance	brief history of Intel® 64 and IA-32	CE6SSW14D030521L59	SS CE PPT 07		The Intel		
	***************************************			Architecture				Microprocessors	02102	
	03 May- 07	-	1	Intel NetBurst® Micro-architecture	CE6SSW14D040521L60			Processor by	04/05	
14	May	5	VI	Dabit thetalion thin connection	CE6SSW14D050521L61			Barry B. Brey, 4th	05/65	
	***************************************	The state of the s		Basic execution environment	CE6SSW14D060521L62			Edition, Prentice-	16610t	
				Basic execution environment	CE6SSW14D070521L63		x 3	Hall.	12/14	
						Session			67/65	





1-





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Skargening Engineering Acumen with a difference

Cummins

CCOEW/CE / 20-21

Date: 28/ 1 , 2021

LESSON & TEACHING PLAN for Software Engineering and Project Management

cult	ty Name:	Pro	f. Su	ruchi Kitey				Sub: SEPM		Sec	Year:	2020-21	Sem:- VI
K o.	Week	No Of	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	tion	Assignm ent/Tuto rial Date	cign
1				Introduction,CO Discussion evolving role of software	CE6SEPMW01D01221L01				"Pressman R.,		1/2/21	7	1
1				software characteristics	CE6SEPMW01D02221L02]		Using various	""Software		2/2/21		
٠ ١	1 Feb -	6		software myths	CE6SEPMW01D03221L03	SEPM_p		examples for	Engineering, A		3 2 21	Y	
	6 Feb			software process,software engineering	CE6SEPMW01D04221L04	pt_01		models	Practitioners Approach", Tata	K	4121	/	
				software development phases	CE6SEPMW01D05221L05				MCGraw Hill	9	5/2/21	/_	
			I		CE6SEPMW01D06221L06				Publication pg	5	3 2 2 1		
(COMPAN)			1	waterfall model,RAD model	CE6SEPMW02D08221L07		11		34,36,45,53,54,71,	(1121	-	
				prototype model	CE6SEPMW02D09221L08	CEDM			79,80,81,83,86,88,		012	$\overline{}$	
2	8 Feb -	5		incremental model	CE6SEPMW02D10221L09	SEPM_p pt_02			100,110		12/2	$\overline{}$	M
	12 Feb			spiral model, WINWIN spiral	CE6SEPMW02D11221L10] [[]			L		15/2	$ \downarrow$	7/
				model, concurrent, agile process	CE6SEPMW02D12221L11						7 2	-4	10
		1		System Engineering:	CE6SEPMW03D15221L12					1	22/2		`/
				Hierarchy Business Process and Product	CE6SEPMW03D16221L13			Actiity and	Pressman R.,		23/2	$\overline{}$	
	15 Feb			Engineering: Overview	CE6SEPMW03D17221L14	1		state diagram	"Software		24/2		
3	20 Feb	1 6		Requirements	CE6SEPMW03D18221L15	1		problem	Engineering, A		26 2		
				Engineering, Initiating the	CE6SEPMW03D19221L16	1		statement	Practitioners		1 03	413	
			II	process, Eliciting	CE6SEPMW03D20221L17	SEPM_p)		Approach", Tata MCGraw Hill		2 3		
	1	+	1	Encling	CE6SEPMW04D22221L18	pt_03			Publication pg 157		3 3	<i>-</i>	
				Negotiating,	CE6SEPMW04D23221L19	1		Elicting	162,176,181,184,1		~13	, ,	







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE/ 20-21

Date: 1/2/2021

LESSON & TEACHING PLAN for UNIX AND SHELL PROGRAMMING

					Department	of COMPL	JTER ENGI	NEERING					
Facult	y Name: P	rof. SHA	AILESH	SAHU			Sub:	Unix and Shell	Programming	Sec: -	Year: 20	20-21	Sem:- VIII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent Tutorial Date	AC's sign
1	01/02/21 06/02/21	6		General Overview of the system: System Structure (Architecture of UNIX Systems). User Perspective (The file system, Processing Environment.)									
2	08/02/21 12/02/21	5	1	(Building Block Primitives),Operating systems services.Assumption about hardware (Interrupts and Exceptions, Processor Execution Levels, Memory Management).	CE8USPW01D 060221L01	USP-SS- PPT1		UNIX COMMANDS	The Design of Unix Operating System by- M.J Bach (4-36)		12/02/21		
3	15/02/21 20/02/19	6		Introduction to kernel: Architecture of the UNIX Operating System (Block Diagram of the system Kernel). Tutorial.	CICALIONWALD	Heb K					28/01/2		
4	22/02/21 26/02/21		Introduction to system Concepts (An Overview of the File Subsystem, Processes-State and Transitions). Kernel data structures, System administration.	CE8USPW01D 200221L12	PPT2			The Design of Unix Operatin System by- M Bach (38-56)	g .J	2×12-20	28 An	(oz	





WEEI No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent Tutorial Date	AC's sign
5	01/03/21 06/03/21	6		The Buffer cache: Buffer headers, structure of Buffer pool, Scenarios for retrival of a buffer.(Scenarios no. 1 to 5) Reading and writing disk blocks. Tutorial.	CE8USPW01D 060321L23	USP-BC- PPT3		C PROGRAM	The Design of Unix Operating System by- M.J Bach (38-56)		302221-		Š
6	08/03/21 12/03/21	5	3	Internal representation of files: Inodes (Definition, Accessing Inodes, Releasing Inodes).Structure of regular files.	CE8USPW01D 120321L29	USP-IN- PPT4		C PROGRAM	The Design of Unix Operating System by- M.J Bach(67-88)		2690292 021 \2\03\2\		
7				15/03/21 to 20/03/21				S	essional - I				
8	22/03/21 26/03/21	5	3	Directories.conventions of a path name of nodes (Algo-namei). Super block.Inode assignment to a new file (Algo-ialloc). Allocation of a disk block, other file types. Tutorial.	CE8USPW01D 260321L34	USP-IN- PPT4		UNIX COMMANDS	The Design of Unix Operating System by- M.J Bach(67-88)		26103	mign 2rd	
9	30/03/21 03/04/21	6	4	System calls of the file systems: Open, Read, Write. File and record coding seek.close, file creation, creation of special fileschange directory, root, mode and owner.	CE8USPW01D 030421L39	USP- FSC- PPT5		C PROGRAM	The Design of Unix Operating System by- M.J		·364		M
10	05/04/21 09/04/21	5	4	stat, fstat, pipes, dup mounting and unmounting file system, File system abstraction and maintenance. Futorial.	CE8USPW01D 090421L45	USP- FSC- PPT9		C PROGRAM	Beach (91-140)		964		





WEE! No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent Tutorial Date	AC's sign
11	12/04/21 17/04/21	6	3	The structure of the Processes:Process states and transitions Layout. Layout of System memory, Contex of the process, saving the contex of the process.	CE8USPW01D 170421L50	USP-SP- PPT10		C PROGRAM	The Design of Unix Operating System by- M.J Bach (147-151 & 227-238)		19-104		
12	19/04/21 23/04/21	4	5	Manipulation of the process address space, sleep. Process control-Creation. Signal, termination, awaiting process termination, Invoking other programms. UID of a process, changing size of process, The shell, the system boot and the INIT process. Tutorial.	CE8USPW01D 230421L56	USP-PC- PPT11		C PROGRAM AND UNIX COMMANDS	The Design of Unix Operating System by- M.J Bach (147-151 & 227-238)		22/04	By Manga	
13	26/04/21 01/05/21	6	6	Interprocess Communication: Process tracing, System V IPC.Network communications, sockets. Managing the system and network connection in any LINUX version: Monitoring resources, Mastering Time.	CE8USPW01D 010521L60	USP-IPC- PPT12		•	Ubuntu Linux, Toolbox by Christopher Nequs.		0/105	V	
14	03/05/21 07/05/21	6	6	Managing boot process, Controlling startup and Run levels. Configuring networks from the GUI, Managing Network Interface cards, Connections: using wireless connections, Troubleshooting network problems. Tutorial.	CE8USPW01D 070521L66	USP- BPC- PPT-13		GUEST LECTURE	Ubuntu Linux, Toolbox by Christopher Nequs.		02/01		(B)
15				10/05/21 to 15/05/21				S	essional - II				









Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acamen with a difference



Lab Practicals Plan

CCOEW/ Department of Computer Engineering

		. ^
20-01	/ ENEN	1
20-21	CEVE	Y)

.KI	namankar				DSGC		SEM-V	III	Departr	nent: CE	Section
					E	BatchB 1			Batch B	2	
Pi	Name of experiment	Lab ID	Possible variations used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Plann ed Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
pri nt	print				print	fill	fill	print	fill	fill	fill
1	Write a program in JAVA for implementing client server communication model	BECME802PD1022021P01			02-01-21	41 A21	10	2-1121			
2	Lamport's clock in C.	BECME802PD8022021P02			02-08-21	8/2/2	10		8/2/2		
3	Vector's clock in C	BECME802PD1522021P03	For each		15/2/2021	(४) धभ	15	15/212	157212	+	+
4	distributed mutual exclusion .	BECME802PD2222021P04	practical I created extra	Given task then to find	22/2/2021	22/02/2	19	21/21	22/2/12	+ 1	1
5	method of remote system	BECME802PD5042021P05	practical list which I	various editior in	04-05-21	51412	18	-	1/2/4/2	+	+(2)
6	Implementation Cooper.	BECME802PD12042021P0 6	mailed to students	which they can perform the practical	04-12-21	121412	1 17	-	12/15/4/	-	+





				101
		To study guidelines toolkit	BECME802PD19042021P0	variations
ı	7	for modeling and simulating	7	
H		orid computing environment Installation and	BECME802PD26042021P0	
	8	configuration of Hadoop	8	
ł		Develop a web page to play	BECME802PD03072021P0	
١	۰	video file using <embed/>	9	
	-	Squid installation and	BECME802PD10072021P1	
	10	configuration	0	
	1			

								1
1	9/4/2021	1914129	2)	9142	191 ४१४	18	1	1
1,	26/4/2021	26(4(2)	19	244121	8/3/21	17	\parallel \leq	١,
۲	05-03-21		13	5/3/2	1612/3	1 15	173	The same of the sa
		1 10/5/2/	12	1615	48157	n 73		

Subject-Teacher

Ac

BECME307P



Dr. Millind Khanapurkar Principal Maharsh Karre Stres Shirshan Sanetha's Tunnina Collego of Expreering for Moster Hopas, Nappu-441119

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt I	Vide	Activity/ Virtua lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Comple tion Date	Assign ment/ Tutori al	AC's sign
				Clocks, Events and process stat	CME802TW03D13221L1	I		for	Chap 4,71-80		13/214		
2 1	15 Freb	5		Synchronizing Physical clocks	CME802TW03D14221L1			understanding			14/214		
	20 Feb			Logical time,Logical clocks	CME802TW03D15221L1 5			the concept of clock synchronization			1ક)યય		
				Global states	CME802TW03D16221L1	DSG C-02		forming the			16/2/21		
			II	Distributed debugging	CME802TW04D170221L 17		DSG0 V1-02	setting the clock		1	71214		
				Coordination	CME802W04D122222			and dictacting the message to		1	812121		
4	22Feb- 26Feb	5		Agreement	CME802T WO4D1941141			each group and let them synchronise with		1	થાયા		
				Distributed mutual exclusion	CME8627 WOY D201214			that message		2	41212		
				Token based algorithm	CME802T 0004D29424					2	6/2124		
	3			I Algorithm	CME802TW05D010321L					11	3121		9)
5	1Mar-	6		Ricart Aggrwala Algorithm	CME 8 2 T W 05 DOZ 32			for		3	-13121		
	6Mar			Suzuki Kasamis Algorithm	CME 8 27 WOS DOZ 3	4		understanding the concept of shared memory		3	1314		
				Raymond Tree based and Singhal herustics algorithm	- ME 8 2TWO 5 DOB3 2	DSG C-03	DSGC-	board consider as a shared	"Distributed Operating	4	13121		
			111		CME802TW06D080321L		V1-03	mamory and	system" M.A.Ansari	6	1514		
	*		ŀ	Distributed file systems	INE802T WOODSP4412			write anything on it like	chap 6	7	19121		
6	6Apr- 9Apr	4	ŀ	e	29 1458021 60 06 DF/14 41			message ,note etc.		8	14191		
acul	ty in C	harge	- 1		200 (dilli) 2	Dr. Mill Maharahi Karn Summina Colla	ind Khanapurkar Principal o Stree Shikshan Sanetha's ge of Expineering for Nose on na, Napon-41118.	HOD	L				

					and the second s							ALL CONTRACTOR OF	377W 377 MARCON 1
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No		tion Date	Assign ment/ Tutori al	AC's sign
				Distributed Shared Memory	ant 8001 moe 5,		8				319121)—
				Introduction to middleware	CME802TW0\$D2203221						1214121		/
				Introduction to middleware	L32			CORBA is			13/4/2		
7	12Apr- 16Apr	5		technology Design issues				middelware and mostly used	Distributed system		151414		
				Implementation issues			- a a a	technology so giving the	consept and design forth		16/4/21		
	•		ш	CORBA Case Study		DSG C-03	DSGC- V1-03	student middelware as a	edition by		J		1
				CORBA Case Study Types	CME802TW09D300321L 37			topic and study it and do	George Coulouris.		191413		(9)
				RMI-Remote Method Invocation				anylysis why corba is popular	Chap 8,18		મારાય		+
8	19Apr- 23Apr	4		RMI-Remote Method Invocation							22/4/2		-
				CORBA services									1
9	26Apr- 30Apr	5	1 & II		THE STATE OF THE STATE OF THE STATE OF	4(18,34)		t I and II					ر
ર કામ (૧૬ ઇશકે પ્ર					3'rd May -7'th May	Session	al -I				1 -1 51 -		
	24 Mars			10:10ti-a	CME802TWcp.D050421L 41						101512) —
				Grid Computing models							111512		/
	10Ma			Protocols, Types of Grid				understanding the concept of	"Grid Computing"		(2/5/2	1-	1
	10May - 15 May	5	IV	Desktop Grid,cluster grid				grid computing by real time	Ahmar Abbas PDF from		131512	4	1/ 9/
				HPC Grid,Data Grids		2 .		example of solar plant	Internet		(4157	11	1
acult	ty in	Charge		0 0	CME802TW10D100421L		Olege of English	HOD	Dr. Billind Khan Dr. Billind Khan Principa Mahash Kare-Stres Bird Luneis Citiga of Experiments Chings of Experiments Mapa, Nappariments	apirkar usta Sanetha's ero document	15757	4	1

WEEK Wee	eek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video	Activity/ Virtual	Refrence Book - Chapter no.	link for C	comple (ssign	\
17May						FFCID	ID	lab link Teaching Aid	Page no,edition. No	1 1001	Date	Tutori al	AC's sign
17May				Procedures,	CME802TW1 Q D090421L 47						18/5/2	1	1
17May	- 1			Arguments, Data Types							(915)		+
11 21 Ma	- 1	5		Processes ,Platform independer	nce		96.	for message passing student			20/57	1	
				Error Handling				will chat on whats appone	John.Rittinghor	u -	21157	1	+
	_		v	Point-to-Point Communication	CME802TW12D190421L	DSG	DSGC V1-05	be message	se "Cloud Computing " PDF from		24 1572	1	1 20
				Collective Communication	52	C-05		passing one to all there will be collective	Internet		25/572		17 12
				Error Handling				communication			26/574		
12 24 M		5		Platform independence				.i	1 10		271514		
28Ma	May	1		Process Technologies							28/5/2		+
				Introduction of cloud computing	g			ā			28/3/31	-	K
				Characteristics, Benefits of cloud	I CME802TW13D190421L		20		John.Rittingho		315721		//
			* **	Cloud models Service models : IaaS, PaaS, Saa	57		DSGC-	plan to give them case study	use "Cloud Computing "	-	116/21		1
	1		VI	Deployment models		C-06	V1-06	on cloud	PDF from Internet		70/00	2/6/2/	1 81
13 31 Ma		5		Public cloud				á á	internet		1		- 13
5 Jun	une			Private cloud					4		J416/2		
				Hybrid cloud Community cloud		1901	-		29		5/6/2		
			H	Cloud Architecture									

7'th June-11'th June Sessional -II





YEEK Vo.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID ·	PPUID	Video ID	Activity/ Virtual lab link Teachin Ald	Refrence Book - Verno, Page no, edition. No	link for quiz or poli	Completion Date	Assignment/Tu torial Date	AC's sig
				Time based nuthoring tools.	CME804TW0510050321L25						05(3		
				Text: About Fonts and Faces - Using Text in Multimedia - Designing with Text - Hypermedia	CMES04TW06D080321L26			1. study of the fonts			1818)
				The Power of Hypertext - Using Hypertext - Hypermedia Structures - Hypertext	CMES04TW06D090321L27			2. study in the deonagari and lipi			0919		1
6	08 Mar- 12 Mar	5	m	Tools, Images: Making Still Images - Bitmaps - 1 bit images - 8-bit gray level images - 8-bit	CME804TW06D100321L28	ММТСН03		3. analysis of the different types of fonts	Multimedia: Making It Work By Tay Vaughan Eighth Edition, TMH Page no 20 to 60		10(03		
			The state of the s	color images- Dithering- 24 bit color images - Vector Drawing - Vector- Drawn Objects vs.	CME804TW06D110321L29			4. specifict fonts	_ 110 20 10 00		11103		10
			And the second s	Bitmaps- 3-D Drawing and Rendering - Color - Understanding Natural Light and Color -	CME804TW06D120321L30						12103		1
				0	· ·		ESSIONA	L 01 15 MAR TO 20 MAR		l			
				Sound : The Power of Sound -	CME804TW07D220321L30		T	1. Activity on how to identify the	T	Т	00/-		
				Digital Audio - Making Digital Audio Files - MIDI Audio - MIDI vs. Digital Audio - Multimedia	CME\$04TW07D230321L31			2. what is quality of sound			22/9	-	
7	22 Mar to 26 Mar	5	m	System Sounds - Adding Sound to Your Multimedia Project - Audio Recording -	CME804TW07D240321L32				Multimedia: Making It Work By Tay		યાજ		
				Keeping Track of Your Sounds - Audio CDs - Sound for Your Mobile Sound for the Internet.	CME804TW07D250321L33				Vaughan Eighth Edition, TMH Page no 104 to 131		203		-
				Animation: the Power of Motion- Principles of Animation - Animation by Computer - Animation	CME804TW07D260321L34			3	* * *		26/03		
				Data Compression Need for Data compression -	CME804TW08D290321L35			1. data and image diffrence			4103		-
				General Data compression Scheme - Compression standards	CME804TW08D300321L36			2. mobile apps	l – –				+
8	29 Mar to 03 April	5		Non-lossy compression for images -	CME804TW08D310321L37			3. diffrence for Mobile data and	Fundamental of Multimedia - Ze- Nian Li & M. S. Drew ,PHI		30103		-
-	•			Lossy compression for Photographs and	CME804TW08D010421L38	1		computer data 4. study to analysis the different	Page no 165 to 287		31107		10
				video - Hardware Vs Software Compression.		-	+	data and compression 5 study of various image editing	-		01104		
			rv		C	ММТСН04		and video editing tools.	E .		orlay	0000	
-		, 3		Compression Schemes and standards:(Only Concepts of) Binary image compression,	CME804TW/09D050421L40			6. conversion of the self image into grey scale with frame and image techniques			5/04		
9	05 April to 09 April	5		Multimedia Standards	CME804TW09D060421L41			2	Multimedia: Making It Work By Tay Vaughan Eighth Edition, TMH Page		solay		+
				Video - Requirements for Full-motion Video Compression –	CME804TW09D070421L42				no 68 to 97, 164 to 179		nloy		/
				Fractal compression - advantages /	CME804TW09D080421L43	-					ostory	/	
- L				disadvantages	CME804TW'09D090421L44						odlar	1	

Faculty in Charge

Hingen, Hopper-441111

Dr. Millind Khanapurkar Principal sharsh Karve Stres Askashan Sanetha's smoles College of Engineering for Worken Winnah Napur-441118

No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Ald	Refrence Book - Charles no. Page no, edition:	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				Data and File Format Standards: Popular File Formats - RTF, RIFF, GIF, PNG, TIFF, MIDL	CME804TW10D120421L45			find the diffrence between variosu types of images			estap		1
	12 April			JPEG, JFIF, AVI, WAV, BMP, WMF, MEX, MPEG standards - TWAIN. Multimedia Databases,	CME804TW10D130421L46			2. worked on the storage capacity	2 20		13/04		1
0	to 17 April	5		Storage and Retrieval - Database Management systems -	CME804TW10D140421L47			3. team developemnt	2 20		14104		1
		diferentian		Database Organization and Transaction	CME804TW10D150421L48				Multimedia: Making It Work By Tay		10/04		
			v	management for multimedia systems.	CME804TW10D160421L49	MMTCH05			Vaughan Eighth Edition, TMH Page no 196 to 254		16/04		1/6
				Multimedia Skills: The Team - Project Manager -	CME804TW11D190421L50	4			w w		19104	1	
Chinamana	19 April			Multimedia Designer - Interface Designer - Writer -	CME804TW11D200421L51				*	8	20104		
1	to 23 April	6		Video Specialist - Audio Specialist -	CME804TW11D210421L52						21104		
-				Multimedia Programmer -	CME804TW11D220421L53				en en en en en en en en en en en en en e		22/04		
				Producer of Multimedia for the Web.	CME804TW11D230421L54						20104		
				Designing and Producing: Designing - Designing the Structure - Designing the User Interface -	CME804TW12D260421L55		5	1. steps after compeltion			26/04		
	26 April			Producing - Tracking - Copyrights - Virtual reality designing and modeling (VRML).	CME804TW12D270421L56			2. marketing startegy	9 00		भाजप		
12	to 30 April	to 30 7		The Internet and Multimedia: The Bandwidth Bottleneck - Internet Services - MIME Types -	CME804TW12D280421L57			3. analysisi on advvertisment			28/04		
				Multimedia on the Web - Web Page	CME804TW12D290421L58			4. web content management	Multimedia: Making It Work By Tay		29/06		
			VI	Makers and Site Builders - Plug-ins and Delivery Vehicles.	CME804TW12D300421L59	MMTCH00		5. content writing and presentation	Vaughan Eighth Edition, TMH Page no 260, 358,422		उन्व		
				Designing for the World Wide Web: Developing for the Web - The Desktop Workspace and the	CME804TW13D300421L60			6. package and deleivery			0//4		1
				Small-Device Workspace - Text for the Web - Images for the Web - GIF and PNG Images -	CME804TW13D300421L61						orlos		
	03 May to 07 May	8		JPEG Images - Clickable Buttons - Client Side Image Maps - Sound for the Web - Animation for	CME804TW13D300421L62						Blog	5	
				the Web - GIF89a - Video for the Web.	CME804TW13D300421L63					3	oul	5	
3				Delivering: Testing-Preparing for Delivery -File Archives	CME804TW13D300421L64						0010	r.	

Facetty in Charge





EEK do.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent Tutorial Date	AC's sign
	30/03/21 03/04/21	6	4		CE8ESDW01 D030421L39			C++ code	"Peteer J.F. Lucas and Linda C. Van Der Gaag,		03/04		
10	05/04/21		4	Exceptions inheritance and attribute facts, Frames and multiple inheritance, frames as a representation formalism. Tutorial.	CE8ESDW01 D090421L45			C++ code	"Priniplces of Expert Systems "		edlon	9104	
11	12/04/2 17/04/2	1 n	5	Reasoning with Uncertainty: Production rules, inference and uncertainty, probability theory: the probability function, conditional probabilities.	CE8ESDW01 D170421L50				"Peteer J.F. Lucas and Linda C. Van Der Gaag,	масительной метора по при метора по при метора по при метора по при метора по по по по по по по по по по по по	13/04/2	١	
12	19/04/2		5	Bayes' theorem, application in rule based expert system, The subjective Baysian method, the certainty factor model, Dempster-Shafer theory, Network model. Tutorial.	CE8ESDW01 D230421L56		-		"Priniplces of Expert Systems "	pod) se fauth reverse Latinamente contact en translatent Brakens	23/04/21		22
13	26/04/2 01/05/2		6	History of artificial neural networks, Neural information processing, hybrid intelligence, basic concept of neural network.	CE8ESDW01 D010521L60		1-		"Peteer J.F. Lucas and Linda C. Var Der Gaag,	A.	30/412/	9	
14	03/05/2 07/05/2	, n	6	biological neural system, single layer perceptrons, multilayer perceptrons, supervised and unsupervised learning, neural network learning. Tutorial.	CE8ESDW01 D070521L66		14-		"Priniplces of Expert Systems	ESSANCEPINA VESSANO OFFICE VESTSANO ESSANO OFFICE VESSANO	715/2	3/5/2	
15		4		10/05/21 to 15/05/21				lina	Sessional - II				







WEEK			No.												
	Week		Of ect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab	Book - Chapter no. Page	link for quiz or poll	Completi on Date	Assignme nt/Tutori	AC's sign	
3			5		Record access, Record structures,	CME402TW01D10221L1	68.0, Kr. 11.0		Give them small activity for collection of data with different field and arrange the records	FS-chpt-4-pg			al Date	3,611	
	15 Freb- 20 Feb	b-		L	file access & file organization,	CME402TW01D10221L1	FSDP-	FSDP- V1-02		180,189 chpt-5-pg-	-	151212			
		eb			Abstract data models for file access.	CME402TW01D10221L1				196 FS-chpt-5-pg	<u>;</u>	1712121			
					Metadata. Extensibility,	CME402TW01D10221L1				198 FS-chpt-5-pg- 200,209		18122		 	
4		Feb-	5		Portability & standardization.	CME402TW01D10221L1	02			FS-chpt-5-pg		20/22			
					Data Compression	CME402TW01D10221L1				FS-chpt-6-pg-		23/21/2			
	261	Feb			Reclaiming spaces in files	CME402TW01D10221L1				FS-chpt-6-pg- 234		24 1212			
					Introduction to internal sorting & Binary searching.	CME402TW01D10221L2				FS-chpt-6-pg- 248		28 144	-)	3	
5					Introduction to internal sorting & Binary searching.	CME402TW01D10221L2	-			-		26/2121 143/21		-	
					Keysorting.Indexing concepts.	CME402TW01D10221L2 2			image compression and give task to find out various techniques related to data compression and arrange them ,MCQ's	FS-chpt-6-pg- 254		213121	$\overline{}$		
	•	Mar- Mar	6	ш	Keysorting.Indexing concepts.	CME402TW01D10221L2						3 3 24			
					Object I/O.	CME402TW01D10221L2				FS-chpt-7-pg- 279		5 1312			
					Multiple keys indexing	CME402TW01D10221L2 5	FSDP 03	- FSDI		FS-chpt-7-pg- 291		6 3 2			
6	36	APR				CME402TW01D10221L2	2	V1-03				2814121			
		Mar- 2Mar	4		Inverted lists	CME402TW01D10221L2	2			FS-chpt-7-pg 298	5	27/4/29			
	12				Selective indexes, Binding.	CME402TW01D10221L2	2		Knidingh	FS-chpt-7-pg 304	3	28/4/4			

Hingna, Nogper-441111

Dr. Millind Khanapurkar Principles Maharsh Kore Stree Shearing for Wosen Sumited College of the Wosen Wileyak Apport41118

LESSON & TEACHING PLAN CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR

COMPUTER ENGINEERING

Session:-2020-21

		Fact	ıltv N	ame: Prof. Sharayu J Deote		Sem:-VI CE		Subject: DBI	ИS	79.70
Wee k No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completio n Date	Assignme nt/Tutoria Date	AC's sign
1	1 Feb-6 Feb	6		UNIT I: Introduction to Database Systems Database Systems: Significance and advantages, Types of Databases, the DBMS Environment Limitations of File processing system,		1. Abraham Silberschatz, Henry F. Korth and S. Sudarshan, 5th Edition, McGraw Database System Concepts Sth Edition, McGraw		08/02		
2			1	DBMS Architecture, Functions of DBMS, Data Abstraction, Data Independence,	1.Drawing competition 2.Make group of 6 to 5 students , give copy of	Hill (SIE), 2013. pg no. 1 to 28 ,chno 1				DE.
3	8 Feb- 12 Feb	1 n		Formal relational query languages: Relational Algebra, Tuple Relational calculus,	prepare comparative table for symbols used 3.Practice Query examples	ch no 5 ,pg no 163 to 198 from same book				
				Domain Relational Calculus.		mind		13 12		

		W 1		UNIT II: Relational Database Manipulation	4 .Activity to Design tables	Desai Bipin,		7	
	15 Feb			Introduction to SQL: SQL Data Definition, Basic Structure of SQL Queries	relavant to application and ,	Introduction to Database System			
4	to 20- Feb	6		Set Operations, Null values, Aggregate	Define structure of table by also mention primary	Galgotia Publications, 2003			
			II	Intermediate SQL: Join Expressions, Views, Integrity, Constraints, SQL Data types and Schemas, Authorization	5. practice query	Ex. From both books & net & university papers	22/12		
5	22 Feb to 26 Feb	6		Advanced SQL: Dynamic SQL and Embedded SQLPL/SQL Functions and Procedures.QUEL: data definition, data manipulation, embedded data manipulationQBE: Basic data retrieval,	·	Inter net	Q1 03		
	1 Mar to 6 Mar	6		UNIT III: Data Models and Relational Database Design Evolution of data model ,Entity relationship model Development of ER Diagrams, Extended Entity Relationship modelRelational model: Logical View of Data, Keys,		pg no 201 to 302 from korth ,Ch no 6 & 7& bipin desai	08/03		X
	7			Integrity Rules, Relational set operators,			1		
	8 Mar t	0 6		Data Dictionary and					Congress of Congre
	12Mar	1 0		System Catalog, Indexes, Rules Codd's Relational Database					
				Codd's Relational Database			12/03		
				Sessional -I 14 Mar to 19) Mar		•		





13	to 30	3	VI	consistency, concurrency control,	pg no 833 to 870		
	Apl			distributed commitment and recovery,	from Korth		
				security and protection in DDBMS,			
				homogenous and heterogeneous systems			
Consequent				Internal Practical 3 May to 7 May			
				Sessional -II 10 May To 15 May			China control of the Control of the

Subject Teacher

Hingra, Hopper-441111

Dr. Milind Khanapurkar Principal Mahash Karvs Stras Shikahan Sanetha's Junnias College of Expineeting for Moourn Hopps, Nappur-42119 HOD, LE Dept



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE / 20-21

Date: 28/ 1 / 2021

LESSON & TEACHING PLAN for Software Testing and Quality Assurance

301	ilty Nam	e: Pro	f. Suri	uchį Kitey	Department of			Sub: STQA		Sec	Year:	2020-21	Sem:- VIII
W EE K	Week	No. Of Lect	Unit	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	- Chapter no. Page	link for quiz or poll	Completio n Date	Assignme nt/Tutoria I Date	AC's sign
Va.				the state of the s	CE8STQAW01D01221L01			One object			1/2/21		Λ
				Need of testing, Errors, Faults,	CE8STQAW01D02221L02	s dell'er soon		assign to			2/2/2/		/
	1 Feb -			Defects, failures, Unit Testing, Integration	CE8STQAW01D03221L03	STQA_pp		students and	Software		3/2/2		/
1	6 Feb	6		Testing, Thregration Testing, Central issue in	CE8STQAW01D04221L04	t_01	-	tells possible test cases for	Testing & Quality		915-121	A	
				Testing, Testing activities	CE8STQAW01D05221L05			the same	Assurance by		5 2 2		
			I		CE8STQAW01D06221L06				Kshirsagar		8 2 2		
_	+		1	System testing, Objectives of	CE8STQAW02D08221L07				Naik &	-	9/2/21		
			Testing, V-model, Sources Of	CE8STQAW02D09221L08				Priyadarshi Tripathi		10/2/21			
3	8 Feb -			information for Test Cases,	CE8STQAW02D10221L09	STQA_pp			(Wiley)		11 2 2)
2	12 Feb			Monitoring & measuring test execution, Test	CE8STQAW02D11221L10	t_02					15/2/2		CAY
				Tools & Automation, Limitation Of Testing	CE8STQAW02D12221L11						17/2/21		3
or stars	-	\vdash			CE8STQAW03D15221L12						22 2 2 2		100
				Concept of unit testing, Static	CE8STQAW03D16221L13						23/2/21		
	15 Feb			unit testing, Defect Preventions,	CE8STQAW03D17221L14				Software		24 2/2		
3	15 Feb 20 Feb	1 6		Dynamic unit	CE8STQAW03D18221L15				Testing & Quality		25 2 2 2	2 3 21	_
				testing	CE8STQAW03D19221L16	CTO A			Assurance by		113121		
			II		CE8STQAW03D20221L17	STQA_pp t 03			Kshirsagar		2 3 2		
Γ					CE8STQAW04D22221L18]"			Naik &		3 3 2		







EEK	Week	No. Of Lect	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	- Chapter no. Page	link for quiz or poll	Completio n Date	Assignme nt/Tutoria I Date	AC's sign
				Mutation testing, Debugging,	CE8STQAW04D23221L19				Priyadarsiii Tripathi		3/3/21	•	5
4	22 Feb 26 Feb	5		Unit Testing in extreme programming, tools for unit	CE8STQAW04D24221L20				(Wiley)		6 3 2		1/
	20100			Testing	CE8STQAW04D25221L21						813121		1
					CE8STQAW04D26221L22						9 3 21		
					CE8STQAW05D01321L23						15 3121		
				Outline of control flow testing,	CE8STQAW05D02321L24			Draw Control	Software		19 3 2		
5	1 mar -	6		control flow graph, Path in control	CE8STQAW05D03321L25			flow graph	Testing &		20/3/21		1
	6 mar			flow graph, Path selection	CE8STQAW05D04321L26	1 1		for one of the	Quality		22/3/21	1	1
			m	Criteria	CE8STQAW05D05321L27	STQA_pp		program	Assurance by		23 3 21	1	1
_			***		CE8STQAW05D06321L28	t_04		1	Kshirsagar Naik &		26 3		RV
				coverage, Predicate coverage CE criteria, Generating Test CE	CE8STQAW06D08321L29	1			Priyadarshi		24 3	 	131
6	8 mar -	4			CE8STQAW06D09321L30	1			Tripathi		2913	 	02
	12 mar				CE8STQAW06D10321L31	1			(Wiley)		30 3		1/02
_					CE8STQAW06D11321L32				1		1015	-	+
7	15 mar - 20 mar	6				Sess	sional I				11013		1
				Introduction to Data flow testing,	CE8STQAW08D22321L33						mic		
	22 mar			Data Data	CE8STQAW08D23321L34	1			1		12/5		V
3	-26	5		flow graph, Data flow Testing	CE8STQAW08D24321L35				Software		1315		
	mar			criteria, Comparison of Data flow Test selection criteria.	CE8STQAW08D25321L36	1			Testing & Quality		1715		
4			IV		CE8STQAW08D26321L37	STQA_pp			Assurance by		1915		
1				System Integration:	CE8STQAW09D29321L38	t_05			Kshirsagar		2015		
	29 mar			Introduction, Different types of	CE8STQAW09D30321L39				Naik &		2115	`	
, ,	-3 apr	5		interfaces & interfaces errors, CE8STOAW09D313211.40	1			Priyadarshi		2415			
- 4		System integration Greece	CE8STQAW09D01421L41				Tripathi (Wiley)		25 5		_		
		- 1	techniques, Software &	CE8STQAW09D02421L42	-			- (wiley)		2715			
				- Flaroware Integration			1		1		THE R. P. LEWIS CO., LANSING, SALES,		
+		+		Test Plan for System integration		-		-			2815		_
	_			Test Plan for System integration Off-the Shelf component	CE8STQAW10D05421L43 CE8STQAW10D06421L44	-					2815		

Г	wŢ	INO	7		Topic ID	PPt ID	Video ID	Virtual lab	- Chapter no. Page	link for quiz or poll	Completio n Date	Assignme nt/Tutoria I Date	AC's sign
E	I WEEK	Lect	1	Exact Topic Name & Subtopic	Topic ib		ID	Aid.	no edition No.	pon	316		
N	3 apr -	_	_	integration, raxonomy or system	CE8STQAW10D07421L45				Testing & Quality		4/6	1	
10	9 apr	5		Test, Basic Test, Functionality test,Robustness	CE8STQAW10D08421L46				Assurance by		316		
				Test	CE8STQAW10D09421L47	STQA_pp			Kshirsagar		916		
		\vdash	V	Performance Test, Scalability	CE8STQAW11D12421L48	t_06			Naik &		10/6		
				Test, Stress Test, Load &	CE8STQAW11D13421L49				Priyadarshi Tripathi		1116	24/5	
	12 apr -	١. ١		Reliability Test, Regression test,	CE8STQAW11D14421L50				(Wiley)				
1	17 apr	4		Documentation	CE8STQAW11D15421L51						1416		
				Documentation	CE8STQAW12D19421L52						15/6		
				Functional specification based Test Case	CE8STQAW12D20421L53	1					16 6	-	H
					CE8STQAW12D21421L54					1716		+	
14	19 apr - 24 apr	4		Design, Use Cases based Test Case Design,				Software		1816			
		\vdash		Application based Test	CE8STQAW13D26421L56				Testing &		1916		
				cases Design, Levels of Test	CE8STQAW13D76421L57	1			Quality Assurance by		3216		A CO
	26 apr -	5		Execution,	CE8STQAW13D28421L58	STQA_pp			Kshirsagar		1		1 00
15	1 may	١٦	VI	Acceptance criteria, Selection of acceptance criteria, Acceptance	CE8STQAW13D29421L59	t_07			Naik &		22/6	31/0	2
				Test Plan	CE8STQAW13D30421L60]			Priyadarshi Tripathi		23 6		100
-		-	-		CE8STQAW14D030521L61	1			(Wiley)		2416		10
		- 1		Acceptance test	CE8STQAW14D040521L62]					381	6	-H
		- 1	- 1	execution, Acceptance Test	CE8STQAW14D050521L63	1							-H
01	3 may -	5	- 1	report rine views of software	CE8STQAW14D060521L64	-, г					29/6		
	7 тау			9000:2000 software quality	CE8STQAW14D070521L65						30/6		
	0 may 5 may					SESSIO	NAL II						



Maharshi Karvo Stroe Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Date: 29/ 1 /

CCOEW/CE / 20-21

					Department of Comput	ter Engi	neering	1			Γ		
	Name: 6	Prof. S.Kh	amanka	ar				Sub: C	osgc	Sec:	Year: 2	020-21	Sem:- VII
VEEK No.	Week	No. Of	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Comple tion Date	Assign ment/ Tutori al	AC's sign
				Motivation and goals	CME802TW01D10221L0			given task them to find out examples of DS			1./214		\
				Overview and advantages of D	CME802TW01D20221L0 2			0,50			थयय		-
				Characteristics-Absence of global clock	CME802TW01D30221L0 3			MCQS taken given task 2			3/2/21		-
1	1Feb - 6Feb	6		State (Local and Global)	CME802TW01D40221L0			students to make ppts on LAn, WAN ,RPC			41219		
	1Feb - 6Feb			Possibility of large network del	CME802TW01D50221L0		DSGC				5/2/21		
			1	Possibility of large network del	CME802TW01D60221L0	C-01	V1-01	PPT / activity given to find out how RPC exactly			6/2121	+	1
processor and the second second				Scalability, security	CME802TW02D70221L0 7 CME802TW02D80221L0	-		work? PPT / video			8/2/2	1	1
				Scalability, security	8			https://www.youtu be.com/watch?v= Azyizl9w2xo			+	+	1
2	2 8Feb- 12Feb	5		security	CME802TW02D90221L0 9			,	"Advance		9/21	1	
				Resource management	CME802TW02D100221L				Concepts in Operating	And in case of the last of the	11/2		+
				Resource management	CME802TW02D110221L 11 CME802TW03D12221L1				System"Sing	gh		212	+
Particular State of the Control of t	painti arriet titte op plak deptemble et d		A Bengan Bacalla Conta Calaba Salama	Time and Global States-Introdu	2			Hen	Shivratri		1101		1

Faculty in Charge

WE EK No.		k (. I	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Chapter no. Page no,edition. No	link for quiz or poll	tion	Assignm ent/Tuto rial Date	AC's sign
	P.	-1"	ac		software measurement,	CE6SEPMW10D08421L46	 SEPM_p			Practitioners			 	\vdash
				\mathbf{v}	metrics for software quality,	CE6SEPMW10D09421L47	pt_06			Approach", Tata MCGraw Hill		10/6	1.2.	+
-		+	7	1	project praining objectives software scope and feasibility	CE6SEPMW11D12421L48			Decission tree	Dublication ng		11/2	3115	₩
	12 opr		1		Decomposition Techniques	CE6SEPMW11D13421L49			for problem	629,644,650,661,6			-	*
11	12 apr 17 apr				Empirical Estimation Models	CE6SEPMW11D14421L50			statement	77,696,698		14/6	+	/
-					Specialized Estimation tech	CE6SEPMW11D15421L51					-	15/6		+
\dashv		+	1	-	Risk Risk Identification, projection, CE6	CE6SEPMW12D19421L52				4		(16	6	_
- 1	10			١,		CE6SEPMW12D20421L53				4		1 - 1	+	
141	19 apr 24 apr	4			refinement	CE6SEPMW12D21421L54		N1		_		1716		+
				1	RMMM, Task set for software	CE6SEPMW12D22421L55				Pressman R., "Software		2116		100
+		+	1	-		CE6SEPMW13D26421L56				Engineering, A		22/		198
				1	scheduling, earned value analysis	CE6SEPMW13D76421L57				Practitioners		231	6	11
15	26 apr	5		15	Software Quality Factors SQA	CE6SEPMW13D28421L58	SEPM_p			Approach", Tata		<u> </u>		++-
5	1 may		V	T	Activities Software reviews	CE6SEPMW13D29421L59	pt_07			MCGraw Hill Publication pg		25		+
			1		Software reliability	CE6SEPMW13D30421L60	1			727,737,737		28)	6	
+		-	1	H		CE6SEPMW14D030521L61				740,716,722,749	,7	-	1	
						CE6SEPMW14D040521L62				51,762,772,780		21		
6 3	B may -	management the SCM Repository			management	CE6SEPMW14D050521L63						101	7	
0	7 may		CE6SEPMW14D060521L64						6	7				
					SCM process	CE6SEPMW14D070521L65				7		81	7	
/	U may					CE05EFINI W 14D070321E03	SESSI	ONAL	II				, , ,	





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE/ 20-21

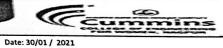
Date: 1/2/2021

LESSON & TEACHING PLAN for EXPERT SYSTEM DESIGN

	-				Departme	nt of COMP	UTER ENG	INEERING					
Facu	Ity Name:	Prof. SH	AILES	H SAHU			Sub:	Unix and Shell	Programming	Sec: -	Year: 2	020-21	Sem:- VIII
WEE No.	Maak	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent Tutorial Date	AC's sign
1	01/02/21 06/02/21	1 6	1	Expert system & AI, Expert System characteristics.	CE8ESDW01 D060221L01	ESD-ES- PPT1			"Peteer J.F. Lucas				
2	08/02/21 12/02/21		1	Expert System Structure, Heuristic Reasoning, User Interface. Tutorial.	CE8ESDW01 D120221L07			cryptarithmeti c problems	and Linda C. Van Der Gaag, "Priniplces of Expert Systems "		12127		
3	15/02/21 20/01/19	1 h	2	Logic and Resolution: propositional logic, first order predicate logic.	CE8ESDW01 D200221L12			STORY	"Peteer J.F. Lucas and Linda C. Van Der		18/44		
4	22/02/21 26/02/21	5	2	causal logic form of logic, resolution and propositional logic.Tutorial.	CE8ESDW01 D260221L18			STORY	Gaag, "Priniples of Expert Systems "		26/02/24	2612)904
5	01/03/21 06/03/21	6	3	Production Rules and Inference: Knowledge representation in a production system.	CE8ESDW01 D060321L23	ESD-PS-			"Peteer J.F. Lucas and Linda C. Van		06/03/24		
6	08/03/21 12/03/21	5		Inference in a production system, Pattern recognition, production rules.	CE8ESDW01 D120321L29	PPT5			Der Gaag, "Priniplces of Expert Systems"		12/3/2/		
7				15/03/21 to 20/03/21				\$	Sessional - I				
	22/03/21 26/03/21	5		Production rules as a representation formalism, Tutorial.	CE8ESDW01 D260321L34			and an experience of the second of the secon		A TOTAL OF THE PROPERTY OF THE	25/03/24		



Maharshi Ko o Stree Shikshan Samstha's CUMMINS COLLEG OF ENGINEERING FOR V MEN



CCOEW/AS / 20-21

LESSON & TEACHING PLAN for Multimedia Systems

									PLAN for Multimedia Systems f Computer Engineering)			
ty N	lame: Pr	of. P.A.L	ohe						Sub:	ммт	Sec:	Year:	2020-21	Sem:- III
ĸ	Week	No. Of Lect.	Uni	(FY2	ct Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				lntr	roduction : Definition of multimedia -	CME804TW01D010221L01			1. story telling			olla		
					ultimedia Basics - Where to use ultimedia -	CME804TW01D020221L02			2. Audio Visuals			orion		
10	Feb 0	5	1	M	ultimedia Elements -: Multimedia	CME804TW01D030221L03			3. Walt disney and Fairy tales			03/M		-
1	160				ultimedia Applications Multimedia ystems Architecture	CME804TW01D040221L04			4. Tom and Jerry			ouin		
					Aultimedia Applications Multimedia systems Architecture	CME804TW01D050221L05			5. Application of Multimedia			05/02		
	1	1	\neg	T	Workstation Architecture	CME804TW02D080221L06	1		6. Apps of the Mobile phone			00102		1
	1	1	1	1	Workstation Architecture	CME804TW02D090221L07	1		7. study for HD, SD, UD	Multimedia: Making It Work By Tay		ogin	-	\
2	68 Fe		5	1	High resolution Graphic displays	CME804TW02D100221L08	1		8. augmented realllity	Vaughan Eighth Edition, TMH Page		10/02		10
_	12 F	eb	1	1	High resolution Graphic displays	CME804TW02D110221L09	ммтсно:	1		no 01 to 10		110		11
	1	1	1		Multimedia Architecture Based on	CME804TW02D120221L10				Fundamental of Multimedia - Ze- Nian Li & M. S. Drew ,PHI		10102		
	1	1			interface bus Multimedia Architecture Based on interface bus	CME804TW03D150221L11	1			Page no 01 to 17		10102		
		1		1	Network architecture for Multimed	CME804TW03D160221L12	7					16102		+-
					Evolving Technologies For Multimedia Systems	CME804TW03D170221L13	1					19/02		1
1		15 Feb - 20 Feb 5	5	1	Hyper Speech - HDTV and UDTV		4					1710-		
	20	res			3D Technologies and Holography -	CME804TW03D180221L14						18100	-	
					Virtual Reality -Video conferencin	g CME804TW03D190221L15						1910	- '	
			f		Input Devices - Output Hardware - Communication Devices	CME804TW04D210221L16			1. movie before and after edting			21102	-	
					Basic Software Tools : Text Editing - Word Processing - OCR Software - Painting and Drawing	CME804TW04D220221L17			2. 3D movie picturization			22/02	-	
4		eb - 26 eb	5		Tools - 3D Modeling and Animation Tools -	CME804TW04D220221L18			3. crop and edit self image			23/02	+	
					Image Editing - Sound Editing -Animation - Video	CME804TW04D240221L19			4. Handlelling of image editing tool	Fundamental of Multimedia - Ze		rula	-	1/6
				п	Making instant Multimedia: Linki Multimedia Object – office suites- word processors –	CME804TW04D250221L20	MMTCF	102		Nian Li & M. S. Drew ,PHI Page no 20 to 60		woo		
					spread sheets – databases – presentation tools – power point	Ct-1E804TW05D010321L21						0100		
!		i			Multimedia authoring tools: Types of authoring tools –	CME004TW05D020321L22	-					0210		
1		Mar-06	. 5		card and page based authoring too!		 i					0310		
1	1.	; i;			leo leed authoring tools -	S CM::804TW/03D030371L23 CM::804TW05D011W7L24	-		-	1:)		ou		7



Maharshi Karve Stree Shikshan Samstha's **CUMMINS COLLEGE OF ENGINEERING FOR WOMEN**

Sharpening Engineering Acumen with a difference



CCOEW/CE / 20-21

Date: 7/ 7 / 2020

LESSON & TEACHING PLAN for	Concepts In Computer Engineering
---------------------------------------	----------------------------------

					Department of Compu	ıter Engi	neering	3					
aculty	Name: P	rof. S.Kha	manka	г				Sub	o: CCE	Sec:	Year:	2020-21	Sem:
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	CME303TW01D1008	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Complet ion Date	t/Tutorial	AC's sign
		A204303, 000		Description of computer input units	CME303TW01D1008				VR-Chpt3-pg- 31-35		198120	,	
				other input methods	CME303TW01D1108 20L02				VR-Chpt3-pg- 36-40		418120		
1	10Aug -	5		other input methods	CME303TW01D1208 20L03			collect info	VR-Chpt3-pg- 36-40		121812		
	14Aug			computer output units,types of printer	CME303TW01D1308 20L04			devices & MCQ	VR-Chpt3-pg- 42		13812		
				types of printer,plotter	CME303TW01D1408 20L05				VR-Chpt3-pg- 42		141812		
			1	types of printer,plotter	CME303TW02D1708				VR-Chpt3-pg-		H8120		\
				Memory cell, memory organization,	CME303TW02D1808 20L07		CCE- V1-01		VR-Chpt4-pg- 46-51		181812		Vá
2	17Aug- 21	5	I	Types of memory	CME303TW02D1908 20L08	CCE- 01			VR-Chpt4-pg- 46-51		19182	,	1
	21 Aug20			read only memory, Serial access	CME303TW02D2008 20L09			Given task t			2d थ ऽ	0	\downarrow
				memory physical devices used to construct				make small	1 VK-Citper pa		21/8/3		+
				memory semiconductor flip-flop	CME303TW03D2408	3		storage	VR-Chpt4-pg		24/8/		$+\!\!\!+$
				magnetic surface recording	CME303TW03D2508 20L12	3		device	VR-Chpt4-pg	z-55-61 	25/8/	20	Ψ

Faculty in Charge

HOD

.K	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book Chapter no. Page no,edition. No	link for quiz or poll	Complet ion Date	Assignmen t/Tutorial Date	AC's sign
3	24 Aug- 29	5		Magnetic Hard Disk	CME303TW03D2608 20L13				VR-Chpt4-pg- 63,67		2480	-	
	Aug20			floppy disk, CDROM	CME303TW03D2708 20L14				VR-Chpt4-pg- 63,67		2018/20		
				magnetic tape drives,DVD	CME303TW03D2808 20L15				VR-Chpt4-pg- 63-69,71		28/8/20		
				First generation computers, secon generation computers,	nd CME303TW04D3108 20L16				VR-Chpt12-pg- 250,251		31186		
				third generation computers, Moore's Law	CME303TW04D0109 20L17			to collect	VR-Chpt12-pg 252,256	5-	11913		
4	31Au 5Sept			fourth & fifth generation ,computers	CME303TW04D0209 20L18			about it & will show	VR-Chpt12-pg		219120		
				classification of computers	CME303TW04D0309 20L19			videos relate to it.	258-260		3/9/20	,	
				classification of computers	CME303TW04D0409 20L20	CCE 02	-		VR-Chpt12-p 258-260	g-	41910		
				parallel computers distributed computer system	CME303TW05D070 20L21	9			VR-Chpt12-p	og-261	79/2		12
				Structure of instructions	CME303TW05D080 20L22	9		Task given	to VR-Chpt5-p	g-78	8131	v	19,
5		ept 5		Description of processor	CME303TW05D090 20L23)9	CC V1	E- instruction	on VR-Chpt5-p	g-82	3 9(3	0	\downarrow
	20			a machine language program	CME303TW05D100 20L24	09			VR-Chpt5-pg	g-	1991	20	
				Algorithms, Flowchart	CME303TW05D11 20L25	09			VR-Chpt1-p 8		1119	120	\perp
				Why programming languag	ces, CME303TW06D14	.09		Task giv	VR-pg-170 333	EB-	14	1912	\bot
				Generation of Programmin languages,(1'st)	ng CME303TW06D15 20L27		CE-	write sr progra	ms EB-Chpt13	-pg-	ısı	9120	$\bot\!$
١.	14Se 6 19S		I	2'nd generation of language	CME303TW06D1	609	03	with algorith		3-pg-	(6)	9120	

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	, PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Complet ion Date	Assignmen t/Tutorial Date	AC's
				3'rd generation of language	CME303TW06D1709 20L29			flowchart	EB-Chpt13-pg- 338		1719120		\
				4'th & 5'th generation of languag	CME303TW06D1809 20L30				EB-Chpt13-pg- 339		18916		
					21 Sept-25Sept	2020	Session	al -I				1	
				Characteristics of good	CME303TW07D2809				EB-Chpt13-pg- 340		28/112		
			١.	Factors affecting the choice of languages	of CME303TW07D2909 20L32	CCE-			EB-Chpt13-pg- 347		29/9/20		
7	28Sep 3Oct			developing a program	CME303TW07D3009 20L33	03	CCE- V1-03		EB-Chpt13-pg- 349-352		30/9/20		
				Introduction HTML, Python	CME303TW07D0110 20L34				Internet		1/10/20		
				oduction, Types of Computer S	CME303TW07D0310				EB-Chpt10-pg- 214		3/10/20		•
Г				System Management Programs	CME303TW08D0510 20L36			1	EB-Chpt10-pg-		5/10/20		9
				System Development Programs	CME303TW08D0610 20L37				215		6/10/20		,
8	50c		1	V Unique Application Program	CME303TW08D0710 20L38	CCE-		MCQs	EB-Chpt10-pg-		711020		
				Problem Solving	CME303TW08D0810 20L39				217,219		8110/20		
				Structuring the logic, using t	CME303TW08D0910 he 20L40)	CCE- V1-04	1	EB-Chpt10-pg- 224		9/10/20		
			7	Computer	CME303TW09D1210 20L41				EB-Chpt10-pg- 228		12/10/20		
				Need of operating system	CME303TW09D1310 20L42)			EB-Chpt10-pg- 228		13/1920		
	105			types of operating systems	CME303TW09D1410 20L43				EB-Chpt11-pg- 254 & VR-		14/1920		
9	120c			,,,	CME303TW09D1510 20L44			HOD	Chpt10-pg-214		15/142		1

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	3.5 S. S. S. S. S. S. S. S. S. S. S. S. S.	Assignmen t/Tutorial Date	AC's
			v	Exact Topic Name & Subtopic Topic ID PPt ID Video In Ink Teaching Aid No. Ink Teaching Ink Teaching Aid No. Ink Teaching Ink Teaching Aid Ink Teaching	•								
				Free software & Free software	CME303TW09D1710 20L46 CME303TW09D1710	05	V1-03	find out more	technology by				
					CME303TW10D1910 20L48				1,9,12,13,16,20,36,				
10	19Oct- 24Oct	1 5			201.49 CME303TW10D2110						, , ,		
				Representation of Image & moving image with camera,	CME303TW10D2210 20L51 CME303TW10D2310						.,,,		A Co
					CME303TW11D2610 20L53			find more	374-376				<u> </u>
			IV						VR-Chpt16-pg- 377		F11920	1	
11	26Oct-	6		Compression of audio signals,	20L55			processing	VR-Chpt16-pg- 378		28)10/20		
**	11 26Oct- 31Oct				20L56						291420		
				processing, speech processing					378-380		30/1920		
				Revision	CME303TW11D3110 20L58	i.					3116)	
16				The state of the s		Sessiona	l II						1

Sub. Teacher

Ac



Maharshi Ka ve Stree Shikshan Samstha's
CUMMINS COLLEG OF ENGINEERING FOR VOMEN
Stanfording Engineering According to Millerene



CCOEW/AS / 20-21

Date: 7/ 7 / 2020 LESSON & TEACHING PLAN for Programing Methedology and Data Structure **Department of Computer Engineering** Faculty Name: Prof. P.A.Lohe Sub: PMDS Sec: Year: 2020-21 Sem:- III Activity/ WEEK No. Of Unit Refrence Book -Week Exact Topic Name & Subtopic Virtual lab Topic ID No. Lect. PPt ID Video ID Completion Assignment/Tu Chapter no. Page link for quiz or poll link Teaching AC's sign Date torial Date no, edition. No Aid Chpt3-pg-31-35 10/08 CME304TW01D100820L Taxonomy and history of Computer Programming Program Execution Grp 10Aug 1 Discussion/G Chpt3-pg-36-40 14Aug oogle Serach/ 11/08 CME304TW01D110820L You tube Videos/Assig nments Problem solving and Programming CME304TW01D120820L Chpt3-pg-36-40 strategies, 03 12/08 Problem solving and Programming CME304TW01D130820L Chpt3-pg-42 strategies, 13/08 programming paradigms. CME304TW01D140820L PMDS-01 Chpt3-pg-42 14108 CME304TW02D170820L programming paradigms. Chpt3-pg-42 17/08 Algorithm and flowchart design, CME304TW02D180820L Chpt4-pg-46-51 07 18/08 17Aug-21 Principles of Structured programming CME304TW02D190820L 5 Aug20 Chpt4-pg-46-51 C Language Fundamentals 19/08 Loop control statements, CME304TW02D200820L Chpt4-pg-55-61 20/08 Arrays One dimensional CME304TW02D210820L Chpt4-pg-55-61 Given task to 21/08 Arrays One dimensional make small CME304TW03D240820L Chpt4-pg-55-61 presentation 24/08 Two-dimensional array CME304TW03D250820L Chpt4-pg-55-61 2/08 24 Aug-29 Functions - Definition. CME304TW03D2608201. 5 Chpt4-pg-63,67 Aug20 26/08 call, prototypes, CME304TW03D2708201 Chpt4-pg-63,67 27/08

Faculty in Charge

HOD

2

VEEK No.	Week	No. Of Lect.	Unit No.	Éxact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence (Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sig
				block structure, external variables, Recursion	CME304TW03D280820L 15			Aid	Chpt4-pg-63-69,71		28/08		
				Storage Classes – extern declaration and information hiding.	CME304TW04D310820L			4	Chpt12-pg-250,251		3/108		
	31Aug- 5Sept20	5		Pointers	CME304TW04D010920L			to collect information about it &	Chpt12-pg-252,256		01109		-
				Address and indirection operators	CME304TW04D020920L 18			will show videos related	Chpt12-pg-253		orloa		\rightarrow
				Pointer arithmetic	CME304TW04D030920L 19	PMDS-02		to it.	Chpt12-pg-258-260		03/09		-
		-	п	Functions and pointers	CME304TW04D040920L 20	111103-02			Chpt12-pg-258-260		04/09	AL LINE AND ALL LI	1
				Arrays and pointers	CME304TW05D070920L				Chpt12-pg-261		07/09	To any	-
and the same of th				Strings and pointers	CME304TW05D080920L			Task given to	Chpt5-pg-78		08/09		
	7Sept-12 Sept 20	5		Multi-dimensional arrays and pointers	CME304TW05D090920L 23			write instruction	Chpt5-pg-82		09/09		
-				Pointer arrays	CME304TW05D100920L				Chpt5-pg-86		10/09		
		1		Pointers to functions	CME304TW05D110920L 25				Chpt1-pg-2-8		11/09		
4				Dynamic memory management. Structures – Variables, – –	CME304TW06D140920L 26				pg-170 EB-333		14109		
	14Sept- 19Spt 20	5	***	Accessing members, Assignment and nesting	CME304TW06D150920L 27	PMDS-03		Task given to write small programs with algorithm and	Chpt13-pg-336		15/69		1
				Pointers to Structures – Structures and functions – Structures and arrays	CME304TW06D160920L 28			flowchart	Chpt13-pg-337		16/09		
				Structures containing pointers – Unions	CME304TW06D170920L 29				Chpt13-pg-338		17/09		
					CME304TW06D180920L 30			1	Chpt13-pg-339		18109		

Faculty in Charge

HOD

No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video II	O Activity/ Virtual lab		link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				Searching and sorting techniques- Linear search, Binary search, Indexed search,	CME304TW07D280920	DL.		Ald	Chpt13-pg-340		28/09)
7	28Sept- 3Oct 20	5	m	Insertion sort, selection sort,	CME304TW07D290920	PMDS-03			Chpt13-pg-347		29109		+
	300 20			Bubble Sort, radix Sort, Merge Sort, Hashing.	CME304TW07D300920	L			Chpt13-pg-349-352		1		+
				Collision resolution policies.	CME304TW07D011020I				Internet		20/10		-
				Stack and queue	CME304TW07D031020I 35	L			Chpt10-pg-214		03/10		+
				Array representation of stacks,	CME304TW08D051020I 36			Live Example/Goo			05/10		12
				Queues and Dequeue, Circular queue,	CME304TW08D061020L			ogle Search data	Chpt10-pg-215		6/10		
8	5Oct- 9Oct	5	IV	Polish notation, Implementation of stack using arrays,	CME304TW08D071020L	PMDS-04		collection/ Aniamted Videos/Assig			57/10		+
				Application of stack & queue: Conversion from Infix to Postfix ,	CME304TW08D081020L			nments/Roll odel/ Chart	Chpt10-pg-217,219		8/10		+
				Evaluation of postfix expressions, Priority QueuesLinked list- Singly	CME304TW08D091020L			Preparation	Chpt10-pg-224		9/10		4
				linked list: Operations on linked list, Searching, Insertion, Deletion	CME304TW09D121020L				hpt10-pg-228		410	K	_
				Linked list- Singly linked list: ,	CME304TW09D131020L 42				Chpt10-pg-228		10		_
9	12Oct-	6		Operations on linked list, Searching,	CME304TW09D141020L 43				Chpt11-pg-254 &		110		_
,	17Oct			Insertion, Deletion	CME304TW09D151020L 44			Live Example/Goo	Chpt10-pg-214		110	-	_
			v		CME304TW09D161020L 45	PMDS-05		ogle Search data			110		-
			H	- Production and added in mixed his	CME304TW09D171020L			Aniamted			110		-
-			+	4	CME304TW09D171020L		n	ideos/Assig ments/Roll			110		1 4
			-	4	CME304TW10D191020L 8	L		del/ Chart Preparation			110	1/6	15
		-	1	4	ME304TW10D201020L						0[10		
10	19Oct- 24Oct	5	tre	rees- Definition, Binary Trees, Binary the Traversal, Pre-order, In order, Post order, Expression trees,	ME304TW10D211020L						10		
			tra	versal algorithms, 51	ME304TW10D221020L				Chpt16-pg-372	22	110		
cult	y in Cha	rge	Gr	aphs - Mathematical Properties, CN 52	1E304TW10D231020L				HOD	23	110		-

EEK lo.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Bo Chapter no.	link for quiz or poll	Date	Assignment/Tu torial Date	AC's sign
	Mark Tollera America	and the second of the second		Degree, Connectedness, Directed	CME304TW11D261020L	b) (1) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Chpt16-pg-374-376		26/10)
- 1			VI	Graphs, Directed Acyclic Graph,	53	PMDS-06		-					1
				Representation of Graphs	CME304TW11D271020L 54				Chpt16-pg-377		27/10		
No.				Applications Adjacency matrix, path	CME304TW11D281020L				Chpt16-pg-378		28/10		
1	26Oct- 31Oct	6		Applications. Adjacency matrix, path	CME304TW11D291020L			1			29/10	Total Control of the	
1				matrix	56				Chpt16-pg-378-380				-
1000				Linked Representation of a graph,	CME304TW11D301020L				,, , ,		30110		
er-samplifere				Graph traversal - DFS & BFS,	CME304TW11D311020L						31/10		
_				Shortest path,	[58		1	onal II					

16	-
15	
(1)	
Sub. Teacher	

Ac

WEEK No.	Week	No. Of Lect.	Un No	Fract Tonic Name of a 1	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				Searching and sorting techniques- Linear search, Binary search, Inde- search,	CME304TW07D280920)L			Chpt13-pg-340		28109)
7	28Sept- 3Oct 20	5	Ш	Insertion sort, selection sort,	CME304TW07D290920	L PMDS-03			Chpt13-pg-347		0.01.0		
	30(120			Bubble Sort, radix Sort, Merge Sort Hashing,	rt, CME304TW07D300920	L					29/09		
				Collision resolution policies.	CME304TW07D011020I				Chpt13-pg-349-352		30/09		
				Stack and queue	CME304TW07D031020I	-			Internet		01/10		
				Array representation of stacks,	CME304TW08D051020I			Live Example/Goo	Chpt10-pg-214		03/10		/4
				Queues and Dequeue, Circular que				ogle Search data	Chpt10-pg-215		65/10		
8	50et- 90et	5	IV	Polish notation, Implementation of stack using arrays,	38	PMDS-04		collection/ Aniamted Videos/Assig			6110		
				Application of stack & queue: Conversion from Infix to Postfix ,	CME304TW08D081020L 39		1	nments/Roll odel/ Chart	Chpt10-pg-217,219		8/10		}_
				Evaluation of postfix expressions, Priority QueuesLinked list- Singly	CME304TW08D091020L 40			Preparation	Chpt10-pg-224		7/10		4
			_	linked list: Operations on linked list Searching, Insertion, Deletion	41			Ch	pt10-pg-228			K	
				Linked list- Singly linked list: ,	CME304TW09D131020L 42				Chpt10-pg-228		110		_
	120ct-	6		Operations on linked list, Searching	CME304TW09D141020L 43					[8]			
	170ct			Insertion, Deletion	CME304TW09D151020L 44		Ex	Live ample/Goo	Chpt11-pg-254 & Chpt10-pg-214	141			
		1	\mathbf{v}	Doubly linked list	CME304TW09D161020L 45	PMDS-05		gle Search			110		
	-	-		Operations on doubly linked list	CME304TW09D171020L 46			ollection/	<u> </u>	161			
+				Sorted Linked List	CME304TW09D171020L 47		Vid	leos/Assig ents/Roll	-	141			
		1		circular list,	CME304TW10D191020L		od	el/ Chart		171			1 ice
				sparse matrix storage using linked list	CME304TW10D201020L		Pre	eparation	-		110	12	-
	90ct-	5	11	rees- Definition, Binary Trees, Binary ree Traversal, Pre-order, In order, Post	CME304TW10D211020L						(10		
'	AUG		H	order Expression trees ,		-				મા	(0		
			tr	aversal algorithms,	CME304TW10D221020L 51				hpt16-pg-372	22	110		-
ulty	i n Cha r	ge	Ľ	raphs - Mathematical Properties,	CME304TW10D231020L 52					251	10		_
		1500	/					H	OD	USI	,,,,,		

NEEK No.	Week	No. Of Lect.	Unit No.	Éxact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching	Refrence Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				block structure, external variables, Recursion	CME304TW03D280820L			Ald	Chpt4-pg-63-69,71		28/08		~
				Storage Classes – extern declaration and information hiding.	CME304TW04D310820L			to collect	Chpt12-pg-250,251		3/108		
4	31Aug- 5Sept20	5		Pointers	CME304TW04D010920L			information about it &	Chpt12-pg-252,256		01/09		+
	·			Address and indirection operators	CME304TW04D020920L			will show videos related	Chpt12-pg-253		02/09		>
				Pointer arithmetic	CME304TW04D030920L	PMDS-02		to it.	Chpt12-pg-258-260		02/09		1
		*,	II	Functions and pointers	CME304TW04D040920L 20	FMDS-02			Chpt12-pg-258-260		aylog		
				Arrays and pointers	CME304TW05D070920L				Chpt12-pg-261		07/09		/
				Strings and pointers	CME304TW05D080920L			Task given to	Chpt5-pg-78		08/09		
:	7Sept-12 Sept 20	5		Multi-dimensional arrays and pointers				write instruction	Chpt5-pg-82	I	09/09	1	
				Pointer arrays	CME304TW05D100920L 24				Chpt5-pg-86		10/09		
				Pointers to functions	CME304TW05D110920L ⁻ 25				Chpt1-pg-2-8		1109		
					CME304TW06D140920L 26				pg-170 EB-333		14109		
	14Sept- 19Spt 20	5	***		CME304TW06D150920L 27	PMDS-03		Task given to write small programs with algorithm and	Chpt13-pg-336	,	15/69		<u>As</u>
			- 1		CME304TW06D160920L 28			flowchart	Chpt13-pg-337	1	6/09)
			[CME304TW06D170920L 29				Chpt13-pg-338	1	7/09	/	
			Ī.		CME304TW06D180920L				Chpt13-pg-339	1	slog		



CUMMINS COLLEGY OF ENGINEERING FOR 1 DMEN



CCOEW/AS / 20-21

Date: 7/ 7 / 2020

LESSON & TEACHING PLAN for Programing Methedology and Data Structure

					D	epartment of	Computer I	Engineering					
aculty	Name: Pr	of. P.A.Lo	he						Sub: PMDS	Sec:	Year	2020-21	Sem:- III
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teachin	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				Taxonomy and history of Computer	CME304TW01D100820L				Chpt3-pg-31-35		70/08		
1	10Aug - 14Aug	5		Programming Program Execution basics.	CME304TW01D110820L			Grp Discussion/G oogle Serach/ You tube Videos/Assig nments			80111		
				Problem solving and Programming strategies,	CME304TW01D120820L 03				Chpt3-pg-36-40		12/08		1
				Problem solving and Programming strategies,	CME304TW01D130820L 04				Chpt3-pg-42		13/08		
			I	programming paradigms.	CME304TW01D140820L	PMDS-01			Chpt3-pg-42		14108		
			1	programming paradigms.	CME304TW02D170820L				Chpt3-pg-42		17/08		
		á		Algorithm and flowchart design,	CME304TW02D180820L 07				Chpt4-pg-46-51		18/08		
2	17Aug-21 Aug20	5		Principles of Structured programming C Language Fundamentals	CME304TW02D190820L 08				Chpt4-pg-46-51		19/09		
				Loop control statements,	CME304TW02D200820L 09				Chpt4-pg-55-61		20/08		
				Arrays One dimensional	CME304TW02D210820L 10				Chpt4-pg-55-61		21/08		
				Arrays One dimensional	CME304TW03D240820L			make small presentation	Chpt4-pg-55-61		24108		
					CME304TW03D250820L				Chpt4-pg-55-61		2/08		
2	4 Aug-29 Aug20	5			CME304TW03D260820L				Chpt4-pg-63,67		26/08		
1				call, prototypes,	CME304TW03D270820L			1	Chpt4-pg-63,67		27/08		
cul	y in Ch	narge	ا د د	//	17	L			HOD 4		77100		

HOD



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE / 20-21

Date: 30/ 7 / 2020

LESSON & TEACHING PLAN for Introduction to Computer Network

					Department o	Compute	LENGIN	sering					
acu	Ity Name	e: Pro	f. Su	ruchi Kitey				Sub: ICI	N	Sec	Year :	2020-21	Sem:- III
NE EK	Week	No. Of	Un it	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activit y/	Refrence Book - Chapter no. Page	link for quiz or	Completion Date	Assignment/ Tutorial	AC's sign
				Subject.Data and	CE3ICNW01D10820L01						10/8/20		$\overline{)}$
				Signal,Bandwidth,Data Communication – Components,	CE3ICNW01D11820L02			***************************************			11/8/20		
1	10Aug	5		Data Representation, Data Flow, Networks – Network Criteria,	CE3ICNW01D12820L03	ICN_ppt _01			Data		9 12/8/20		
				Physical Structure (Types of Connection, Physical	CE3ICNW01D13820L04			3	Communications and Networking)		
				Topology),Categories of Network	CE3ICNW01D14820L05				by Behrouz A Forouzan Pg.		13/8/20		851
			I		CE3ICNW01D17820L06				no.3 ,29-50,89 Computer		14/8/20		3
				Internet, Protocols and Standards, Network Model –	CE3ICNW01D18820L07				Network By		17/8/20		02
2	17Aug- 22	6		Layered Tasks, The OSI Reference Model, Introduction to TCP/IP	CE3ICNW01D19820L08	ICN_ppt			Andrew S. Tanenbaum Pg		18/8/20	+	
-	Aug20			Protocol Suite, Addressing – Physical, Logical, Specific Port	CE3ICNW01D20820L09	_02			No. 3-237		19/8/20		
				Addressing ,Specific Addressing	CE3ICNW01D21820L10					ĺ	20/8/20		
				,	CE3ICNW01D22820L11						21 8 28		
					CE3ICNW01D24820L12						25/8/20		>
					CE3ICNW01D25820L13						26/8)20	31/8	
2	24 Aug-			Physical Layer: Physical Layer Objectives, Transmission Media –	CE3ICNW01D26820L14		2.				27/8/20		



-	Veek	No. Of	Un it	Exact Topic Name & Subtopic Wired and Wireless, Switching —	Topic ID	PPt ID	Video ID	Activit	Refrence Book - Chapter no. Page	link for quiz or	Completion Date	Assignment, Tutorial	AC's sign
A	ug20			Circuit switching Network	CE31CNW01D27820L15						28/1/20	, utorial	1
					CE31CNW01D28820L16				Data		29/8/20		
-	-		п		CE31CNW01D29820L17				Communications and Networking		31/8/20	3 8 20	/
					CE31CNW01D31820L18			PERSONAL PROPERTY.	by Behrouz A Forouzan Pg.		1/9/20	1,12	
				Datagram Network, Virtual Circuit	CE3ICNW01D01920L19				no.101-129,141-		2/9/20		
	1Aug-	6		Network, Tutorial. Digital Transmission, Digital to Digital	CE3ICNW01D02920L20						3/9/20		
2:	sept20			Conversion, Analog to Digital Conversion, Analog Transmission	CE31CNW01D03920L21						419/20		
				Conversion, Analog Transmission	CE3ICNW01D04920L22					1	5/9/20		D 0
					CE3ICNW01D05920L23				-		12/2/20		- MC
				Digital to Analog Conversion	CE3ICNW01D07920L24					-	19/20	1	12/04
-				Analog To Analog, ConversionData Link Layer	CE31CNW01D08920L25					-	3 9 20		MI
	7sept- 12Sept	6		"Design Issues of Data Link Layer,Framing,"	CE3ICNW01D09920L26					-	3/9/20	+	
	20			Logical Link Control Protocols for Noiseless Channel	CE3ICNW01D10920L27				Data Communications		0/9/20		
			II	Protocols for Noisy Channel	CE3ICNW01D11920L28				and Networking by Behrouz A	1	1/9/20		
				Go-Back-N ARQ	CE3ICNW01D12920L29				Forouzan Pg. no 307,312,318,324,3		2/9/20		
				Selective Repeat ARQ, Multiple	CE3ICNW01D14920L30				32,370,373,377,	10	419/20		$\neg \neg$
6	14Sept 19Spt			Access Control,Random Access Protocols	CE3ICNW01D17920L31					3,	18/1/20		
	20			(ALOHA, CSMA, CSMA/CD, CSMA/CA)	CE3ICNW01D18920L32						29/9/20		
				IEEE Standard 802 for LAN – 802.3.802.4.802.5	CE3ICNW01D19920L33					2	8/9/20 3	0[4]20	

Faculty in Charge

(?)

WE EK	Week	No.			Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activit	Refrence Book - Chapter no. Page		Completion Date	Assignment/ Tutorial	AC's sign
	21sept- 26sept	5					Se	essiona	11					
						CE3ICNW01D28920L34						3/10/20		$\overline{}$
					Network Layer	CE3ICNW01D29920L35						5/10/20		
8	28sept 3oct20		, \		Need for Network Layer, Internet as a Datagram Network"	CE3ICNW01D30920L36						8/10/20		
					Logical Addressing Classfull Addressing in IPv4	CE3ICNW01D011020L37						9 10/20		
					¥	CE3ICNW01D031020L38				Data Communications	and the second	31.7		
				ΙV		CE3ICNW01D051020L39				and Networking by Behrouz A	1	0 10 20		21
					Routing - Routing Algorithm	CE3ICNW01D061020L40				Forouzan Pg. No. 549	1	3/10/20		
	500	t-			Distance Vector Routing, Link State Routing	CE3ICNW01D071020L41					12	5/10/20	1	
	9 1000	1	6		Congestion and Congestion Control	CE3ICNW01D081020L42					The state of the s	6/10/20		
					Open Loop, Closed Loop	CE3ICNW01D091020L43					}	7/10/20		
						CE3ICNW01D101020L44					L	9/10/20		
		\top				CE3ICNW01D121020L45					,	20/10/20	1/	
					Transport Layer Objectives of Transport Layer	CE3ICNW01D131020L46				Data		21/10/20	V	
	1200	et-			Process to Process Delivery Addressing	CE3ICNW01D141020L47				Communications and Networking			23/10	
1	0 17O 20		6		IANA Ranges, Socket Addresses, Multiplexing and De –	CE3ICNW01D151020L48				by Behrouz A		22/10/20		
				V	multiplexing.Reliable and	CE3ICNW01D161020L49				Forouzan Pg. No. 549		23/10/20		
					Unreliable Services	CE3ICNW01D171020L50				TCP/IP Protocol Suite by Behrouz				

Faculty in Charge

3

			-						•				
EK	Week		Un	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activit y/	Refrence Book - Chapter no. Page	link for	Completion Date	Assignment/ Tutorial	AC's sign
					CE3ICNW01D191020L51				A rorouzan		2		
				Quality of Service	CE31CNW01D201020L52						526/10/20	23/10	
11	19Oct- 24oct20	6			CE3ICNW01D211020L53						27/10/20		
	2400120				CE3ICNW01D221020L54						7		
				Network Security and Privacy	CE3ICNW01D231020L55						(28/10/20		+
				y .	CE3ICNW01D241020L56				Data Communications		> '		+
			VI	Introduction to Cryptography(Symmetric and	CE3ICNW01D261020L57				and Networking by Behrouz A		29/10/20		184
*	26Oct-			Asymmetric), Digital Signature	CE3ICNW01D271020L58				Forouzan Pg. No.		(4/11/20		1
14	31oct20	5		Authentication (Message and Entity)	CE3ICNW01D281020L59				.,,		7711/20		69
				Application Layer – Domain Name System, Electronic Mail,	CE3ICNW01D291020L60					-	6/11/20		100
				Architecture of Browser	CE3ICNW01D311020L61						8/1/20	_	
	5Nov-				_	Se	essional	II					
15	10Nov 20												

Subseacher

AL.



Maharshi Kar je Stree Shikshan Samstha': CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/CE / 20-21

Date: 04/08 / 2020

				·	Departme	nt of Compute	r Engineering					
aculty	Name: Pro	of. Pravir	Goran	tiwar			Sub: Applied f	Maths III	Computer Engineering	Year :	2020-21	Sem:- II
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
				MATRICES: Linear and Orthogonal Transformations		PDF-Matrices	Aiu					
	10Aug -			Linear dependence of vectors,		01		Engineering				
1	15Aug 20	5	IV	Characteristics equation, Eigen values and Eigen vectors	CE-AM III-U4- Matrices	PDF-Matrices-		Mathematics by Tembhekar &		14/08/20		
				Reduction to Diagonal form		02		Shobhane 2.37 to				
				Statement and Verification of Cayley- Hamilton Theorem		PDF-Matrices-		2.66		-		
				Sylvester's Theorem		PDF-Matrices-						
2	17Aug - 22Aug 20	5	IV	Solution of Second Order Linear Differential Equation with Constant Coefficients by Matrix method	CE-AM III-U4- Matrices	04 PDF-Matrices- 05		Engineering Mathematics by Tembhekar &		21/08/20		
				Reduction of Quadratic form to Canonical form by Orthogonal Transformation		PPT		Shobhane 2.66 to 2.82			21/08/20	
			IV	Largest Eigen value and Eigen vector by Iteration method.	CE-AM III-U4- Matrices	PDF-Matrices						
3	24 Aug- 29 Aug	5		FOURIER TRANSFORM: Definition and Properties (excluding FFT)	CE-AM III-U2-	06 PDF-FT-01		Engineering Mathematics by		29/08/20		
1	20		II	Fourier Integral Theorem	Fourier			Tembhekar &		23/00/20		1
			,	Applications of Fourier Transform to Solve Integral Equations.	Transform	PDF-FT-02	AMERICAN SERVICES CONTROL CONT	Shobhane 5.1 to 5.15			29/08/20	

HOD

VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	PPt ID ,	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's si
4	31Aug- 5 Sept 20	6	ııı	Z-TRANSFORM: Definition, Convergence and Properties		PDF-ZT-02				4/9/2020	\	
				Inverse Z-transform by Partial Fraction Method	CE-AM III-U3-			Engineering Mathematics by				
				Convolution of two sequences	Z Transform	PDF-ZT-02		Tembhekar & Shobhane 6.1		and the same of th		
		3	ııı	Power Series Expansion, Residue Method				to 6.27	The control of the co	10/9/2020		
5	7 Sept-	3		Solution of Difference Equations with Constant Coefficients by Ztransform method		PDF-ZT-03			and the second s		10/9/2020	
	20			THEORY OF PROBABILITY: Axioms of Probability				Engineering Mathematics by				
		3	V	Conditional probability	1	PDF-TOP-01		Tembhekar &		14/9/20		
				Baye's Rule,	CE-AM III-U5-			Shobhane 11.1 to 11.7)	
	14 Sep		v	Random variables: Discrete and Continuous random variables	ТОР	PDF-TOP-02		Engineering Mathematics by		19/09/20		
6	19 Sep 20	t 2		Probability function and Distribution function		PDF-TOP-03		Tembhekar & Shobhane 11.8 to 11.23		19/09/20	Parameter Control	\$
7	21 Sept 27 Sept 20	1				SES	SIONAL-II					1/2
	28 Sept			Joint distributions		PDF-TOP-04 PDF-TOP-05		Engineering Mathematics by				
9	03 Oct 20		V	Independent Random Variables, Conditional Distributions.	CE-AM III-U5- TOP	PDF-TOP-06		Tembhekar & Shobhane 11.24 to 11.38		3/10/2020		
	4			MATHEMATICAL EXPECTATION & STOCHASTIC PROCESS		PDF-ME-01						
				Variance, Standard Deviation								1
		0		Moments				Engineering				
acu	Ity in (harg	ė		•			HOD				

(=

WEEK No.	Wee	L	o. Of ect.	Unit No.		Exact Topic Name & Subtopic	PPt ID .	Video ID/ PDF	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/ Tutorial Date	AC's sign
10	05 O		6	٧١	N	Noment generating function	CE-AM III-U6- ME	PDF-IVIE-UZ		Mathematics by Tembhekar &		10/10/2020	\	
	20	0			1	Covariance & Correlation Coefficient, Conditional expectation.	WE	PDF-ME-03		Shobhane 12.1 to 12.24				
					١	Stochastic process: Bernoulli and Poisson process.								
						LAPLACE TRANSFORM:Definition								/
	\.	2 Oct-				Properties, Laplace Transform of	1							
	1	.2 Oct- 17 Oct	1	1	1	Derivatives and Integrals Evaluation of Integrals by Laplace	-			-		17/10/20		
		20	1			Transform								
	1					Inverse Laplace Transform and its Properties								200
			1			Convolution Theorem	7.			Engineering Mathematics by				1
	12	19 Oc	- 1	6	ı	Laplace Transform of Periodic Functions	CE-AM III-U	6-		Tembhekar & Shobhane 4.1		23/10/20		
		20				Unit Step Function				to 4.61	•			
						Applications of Laplace Transform to solve Ordinary Differential Equation								
	13	26 Oc		6	ı	Simultaneous Differential Equation	s					30/10/20		
		20				Integral Equations & Integro- Differential Equations.								
							•	Session	al II				_	

Sub. Teacher

Faculty in Charge

Ac

0

HOĎ



Maharshi Karve Stree Shikshan Samstha's Educating Women for CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accorden with a difference



Lab Practicals Plan

CCOEW/ Department of	Computer Engineering
----------------------	----------------------

S.KI	hamankar				C-Lab-I			Section:	
\dashv					Bat	ch-B1.B2	,B3		
Pi	Name of experiment	Lab ID	Possible variations used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark	
pri nt	print				print	fill	fill	fill	
1	To demonstrate HTML with different tags	CME307PD120820P01			12-08-20	12/8/20	10		
2	To demonstrate HTML with setting color	CME307PD190820P02	1		19-08-20	19(0)20	10		
3	To demonstrate HTML by Ordered List	CME307PD260820P03	1		26-08-20	20/8/20	20		
4	To demonstrate HTML by Tables	CME307PD020920P04	1		02-09-20	2/9/20	10		
5	To demonstrate HTML by image as background	CME307PD090920P05	For each practical I	http://vlabs.iitb.	09-09-20	9/9/20	10) W
6	To demonstrate HTML by hyperlinks	CME307PD160920P06	practical list which I mailed to students	ac.in/vlabs- dev/labs/html- basics-	16-09-20	16/9/20	(0)		13/
7	Write a program to demonstrate "Website Login Form" in HTML	CME307PD230920P07	for variations	iitd/index.html	23-09-20	23/9/20	(0)		
8	Create a Web page having Main Frame along with three Sub Frames(Windows)	CME307PD300920P08			30-09-20	30/9/20	10		

Develop a web page to play				_
video file using <embed/> Tag.	CME307PD071020P09		1	,)
9		07-10-20 7/6/20	10	1 /
To DemonstrateHTML		0, 20 20 1, ,	+	
10 document by using CSS	CME307PD141020P10	14-10-20 9 10	20 10	レノ

Subject-Teacher

Ac ,



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Accumen with a difference



Lab Practicals Plan

2020-21 ADD

ro	f. Suruchi Kitey				Co	mputer Graphics	5		
						BatchB 1			
Pi	Name of experiment	Lab ID	Possible variatio ns used	Link for virtual lab	Planned Date	Perform Date	No. of Viva done	Ac's Remark	
1	To study the various Computer Graphics functions.	CE5CGD110820P 01			11/8/2020	118/20			
2	Write a program to generate a line using DDA Algorithm.	CE5CGD180820P 02			18/8/20	18/8/20		304	22
3	Write a program to generate a line using generalized Bresenham's algorithm.	CE5CGD250820P 03			25/8/20	25/8/20		ĵ 191.	
4	Write a program to generate a circle in clockwise direction with center at origin and radius R.	CE5CGD010920P 04			1/9/2020	1/9/20		(AS)	<u></u>
5	To study 2-D Graphics Primitives and Write a program to draw a HUT using Graphics Primitives.	CE5CGD080920P 05			8/9/2020	8/9/20) 7	2000
6	Write a program to fill the polygon using simple seed fill algorithm	CE5CGD290920P 06			29/09/2020	29/9/20) 201	
7	Write a menu driven program for 2-D transformations(translation,scaling).	CE5CGD061020P 07			6/10/2020	6/10/20		13	10
8	Write a program to implement a 2-D Rotation.	CE5CGD131020P 08			13/10/20	13/10/20			ł
	Write a program to implement mid-point subdivision line clipping algorithm.	CE5CGD201020P 09			20/10/20	27/10/20		731	F.

Syb Teacher



CUMMINS COLLEGE OF THEIR PRINCE FOR W



CCOEW/CE / 20-21

Date: 30/ 7 / 2020

LESSON & TEACHING PLAN for Computer Graphics

					Department of C	ompute	er Engine	ering					
		e: Prof.		i Kitey				Sub: Com	nputer Graphics	Sec	Year: 2	020-21	Sem:- V
EK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	1	Refrence Book - Chapter no. Page	link for	Completion	Assignment /Tutorial	AC's sign
1					CE5CGW01D10820L01						10/8/20	-	7
	10Aug			Geometry and line generation: points, lines, planes,	CE5CGW01D11820L02	CG_p pt 01					11/8/20		/
1	14Aug	5		pixels, frames buffers, types of	CE5CGW01D12820L03				Procedural		12/2/20		
	-			display devices, aliasing, anti- aliasing and its techniques, DDA	CE5CGW01D13820L04	0			elements for		13/8/20)
_					CE5CGW01D14820L05] "			computer graphics by		1418/20	1	
			I		CE5CGW01D17820L06				David F. Rogers,		17/8/20	//	2
					CE5CGW01D18820L07	CG_p pt 03			Mc-Graw Hill. Pg.No.		18/8/20		
1 2	17A1	ıg-		Bresenham's algorithms for line generation, Bresenham's	CE5CGW01D19820L08				6,7,8,66,70,74,75,		1918120		261
	Aug	1		algorithm for circle	CE5CGW01D20820L09				79,88,142-151		20 8		
					CE5CGW01D21820L10	CG_p pt 04					21/8	//	
L					CE5CGW01D22820L11] _					2418		
					CE5CGW01D24820L12						25/8		
					CE5CGW01D25820L13)
3	24 At	ıg. 6		Graphics primitives: Display files, algorithms for polygon	CE5CGW01D26820L14]		26 8		
3	Aug2	1		generation	CE5CGW01D27820L15				Procedural		2718		
					CE5CGW01D28820L16				elements for		28/8		8
					CE5CGW01D29820L17				computer graphics by David F.		29 8		1)9
			II		CE5CGW01D31820L18				Rogers, Mc-Graw	1	3318	30/8	1
				and one Cilian almost bear	CE5CGW01D01920L19				Hill.Pg. No. 3,137		173110	10018	1

Faculty in Charge

(

					U				\boldsymbol{q}_{\cdot}				
WE	Week	No. O	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video	Activity/ Virtual	Refrence Book - Chapter no. Page	link for	Completion	Assignment /Tutorial	AC's
,	31Aug-	6		Simple ordered Edge list, Edge	CE5CGW01D02920L20				126,131,133,		1/9/20		
4	5sept2 0	0		fill, Fence fill, Edge flag, Seed fill, Scan line Seed fill, NDC	CE5CGW01D03920L21						219/20		/
				m, sear me seed m, rese	CE5CGW01D04920L22						319/20		
					CE5CGW01D05920L23						419		201
					CE5CGW01D07920L24						519		1
				operations on segments,data	CE5CGW01D08920L25						719		1
_	7sept-	6			CE5CGW01D09920L26				Procedural		3819		
5	12Sept 20	6		display files,window,viewport,viewing	CE5CGW01D10920L27				elements for				
			III	transformations,	CE5CGW01D11920L28				computer graphics by		919		K
			111		CE5CGW01D12920L29				David F. Rogers Pg.No.		1019		
					CE5CGW01D14920L30				63,175,177,181,18		1119		
Ì	14Sept			Cohen-Sutherland, Cyrus-Beck Algorithm, Mid-point	CE5CGW01D17920L31				7,192,196,253		12/9		16
6	19Spt 20	4		subdivision,Polygon clipping(Sutherland- Hodgeman)	CE5CGW01D18920L32						1419		(3)
				empping(Suthernand-Trougeman)	CE5CGW01D19920L33						18/9		
7	21sept- 26sept	5				9	Sessiona	11					
					CE5CGW01D28920L34						28/9		
					CE5CGW01D29920L35						2919		1
8	28sept-			scaling, Translation, Rotation, Refl ection, Shearing,	CE5CGW01D30920L36						3019		1/
				,	CE5CGW01D011020L37						1110		
	and the second				CE5CGW01D031020L38				Computer		3/10		
		T	IV		CE5CGW01D051020L39				Graphics by Udit		5-/10		1/3:
					CE5CGW01D061020L40				Agrawal		6/10		
a	5oct-	1		Rotation about arbitary	CE5CGW01D071020L41						7/10		IJ

WE EK	Week	No. O	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video	Activity/		link	Completion		AC's
,	0			isometric projections	CE5CGW01D081020L42	***************		Virtual	Chapter no. Page	for	8/10	/Tutorial	sign
					CE5CGW01D091020L43			-			3910		
					CE5CGW01D101020L44				1		13-310	1	/
					CE5CGW01D121020L45						10/10		
				Painter's, Z-buffer, Warnock's.	CE5CGW01D131020L46						13/10		100
0	12oct-	6		Back-face Removal	CE5CGW01D141020L47				Procedural elements for		15/10		134
U	20	1	v	algorithm, Methods of interpolation, Bezier and B-	CE5CGW01D151020L48				computer graphics by David F.		16 10		1.
			1	splines	CE5CGW01D161020L49	-			Rogers, Mc-Graw Hill.Pg.no.		17/10		
					CE5CGW01D171020L50				375,343,474,476,48	1	19/10		\
					CE5CGW01D191020L51				2		20/10		
				Gouraurd Shading, Phong	CE5CGW01D201020L52						21/10		
,	1900			Shading, Constant Intensity Shading, Fast Shading, Properties	CE5CGW01D211020L53						22/10		
1	0	12 0		of light, chromaticity	CE5CGW01D221020L54				and a second	12	26110		0
-				Diagram,RGB,YIQ	CE5CGW01D231020L55				The desired				1
					CE5CGW01D241020L56				Procedural		28/10		05
Γ			V	I CMY, HSK,color models & their	CE5CGW01D261020L57				elements for		29/10	k	
	260	lot.		conversion, color selection &	CE5CGW01D271020L58				by David F.		4111	90/10	
	14 3100	ct2 5		applications, Design of Animation sequences, animation	CE5CGW01D281020L59				Rogers, Mc-Graw Hill. Pg.No.	_	5 11	X	
	0			Function,animation language,Key Frame System, motion	CE5CGW01D291020L60				509,611,623,624,62 7,645		5/11	4	8
				Specification	CE5CGW01D311020L61				7,045		6/11	4/11/20	- /2
1	5 10No 20					S	essional l	1					Q

Faculty in Charge







Maharshi Kar Stree Shikshan Sams ha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference

CE5IEEDW03D210820

L10

of Operation

Revision and university questions



Date: 30/07/2020

25/08/2020

W/CE/ 20-21

••,	CL/ 20 22			LESSON	& TEACHING PLAN for Indu	ustrial Econ	omics and E	ntrepreneursh	ip Development				
_	· ·					nent of Comp							
y ľ	Name: Prof.	. Priyadar	rshini Ra	imteke				rial Economics and Irship Development	Sec:	Year: 2020-21		Sem:- V	
K	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
	1Aug - 0 Skill Deve								nt				K
r				Industrial Economics: Introduction	CE5IEEDW02D100820 L01						12/8/2020		A
				Types of Business structures: Sole Proprietorship	CE5IEEDW02D110820 L02			https://youtu. be/iBAvFEK			13/08/2020		
	10 Aug-15 Aug20	5 5		Partnership	CE5IEEDW02D120820 L03			https://youtu. be/iBAvFEK			14/08/2020		
				Corporation	CE5IEEDW02D130820 L04			https://youtu. be/iBAvFEK	(17/08/2020		
				Company	CE5IEEDW02D140820 L05			https://youtu. be/iBAvFEK	ζ		18/08/2020		1 gr
			1	Difference between Public and Private Company	CE5IEEDW03D170820 L06			https://youtu. be/iBAvFEK			19/08/2020		1
		5		Top and Bottom Line of the organization	CE5IEEDW03D180820 L07						20/08/2020	,	
	17Aug- 22Aug20			Economic Analysis	CE5IEEDW03D190820 L08						21/08/2020)	
				Economic Prudence & Economies of Operation	CE5IEEDW03D200820 L09						25/08/2020	٥	

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
	24Aug-29 Aug 20			Costing	CE5IEEDW04 D240820L11						24/08/2020)	1
		5		Market Structures	CE5IEEDW04 D250820L12						27/08/2020	+	1
4				Perfect Competition	CE5IEEDW04 D260820L13						28/08/2020	-	A
				Monopolistic Competition & Monopoly	CE5IEEDW04 D270820L14						29/08/2020	+/	-
				Oligopoly	CE5IEEDW04 D280820L15						31/08/2020	1	
	31 Aug-5 Sept 20		11	Pricing Strategies	CE5IEEDW05 D310820L16						2/9/2020 3/9/2020	25/1/20	
				Business integration	CESIEEDW05 D010920L17						4/9/2020	25/ €/ 2.8	
5		5		Economies and Diseconomies of Scale & Optimum Size of the	CE5IEEDW05 D020920L18 CE5IEEDW05						5/9/2020		a) b
				LPG Policy	D030920L19 CE5IEEDW05						7/9/2020		
			_	Business Cycles	D040920L20 CE5IEEDW06						8/9/2020		
	7 Sept-			Functions of Central Bank	D070920L21 CE5IEEDW06					-	9/9/2020		
		_		Functions of Commercial Banks	D080920L22 CE5IEEDW06						12/9/2020		
6	12Sept			Foreign Direct Investment Free Trade Vs. Protection	D090920L23 CE5IEEDW06						11/9/2020		
				Capital Formation	D100920L24 CE5IEEDW06 D110920L25						10/9/2020		
-	14 Sept 19 Sept 2	-	- ш	Inflation: Types and Causes	CE5IEEDW07 D140920L26						14/9/2020		
				Inflation: Control and Effects	CE5IEEDW07 D150920L27						18/9/2020		
7				Deflation and Stagnation	CE5IEEDW07 D160920L28						18/9/2020		
				Public Private Partnership	CE5IEEDW07 D170920L29						19/9/2020		
				Inclusive Growth	CE5IEEDW07 D180920L30						19/9/2020		

/EEK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sig
	21 Sept -					er i Paul Gare	Ses	sional I					
	25 Sept				CESIEEDW09		T .				28- 30/9/2020	30/9/20	1
				Sources of finance	D280920L31			-					
	1			Venture Capital and Angel	CE5IEEDW09						1/10/2020		
1				Funding	D290920L32 CE5IEEDW09						16/10/2020		
9	28 Sept - 3 Oct 20	5		Capital Structure	D300920L33						, ,		$-\!$
	Oct 20		١	w. v. G. N.	CE5IEEDW09						9/10/2020		
			V	Working Capital	D011020L34			-	-		1 (0 (2020		
				Break Even Analysis	CE5IEEDW09 D021020L35						1/9/2020	/	
	-	-	4	Network Analysis Techniques:	CE5IEEDW10						9/10/2020	1	
				PERT/CPM	D051020L36						, , ,		
				Taxation	CE5IEEDW10						3,6/10/2020		_
				Small Scale Industries: Features	D061020L37 CE5IEEDW10			+			7/10/2020	V	Sill
10	5 Oct - 10 Oct	5		and Problems	D071020L38						7/10/2020		7/1
	000			Sickness in SSIs	CE5IEEDW10						8/10/2020		
					D081020L39			-	-				$\overline{}$
			VI	Technical Consultancy Organizations	CE5IEEDW10 D091020L40						12/10/2020	15/10/20	
	+	+	-		CE5IEEDW11						13/10/2020	1/	
				Government Policies to SSIs	D121020L41						13/10/2020	V	
				Tax Benefits and other	CE5IEEDW11						15/10/2020		
			-	Incentives to SSIs Entrepreneurship Meaning and	D131020L42 CE5IEEDW11	-		+	 		1		
11	12 Oct - 17 Oct 20	5		Concept	D141020L43						21/10/2020		
				Factors affecting	CE5IEEDW11						22/10/2020		
				entrepreneurship growth	D151020L44					-	127 107 2020	1	
				Motives influecing entrepreneurship	CE5IEEDW11 D161020L46						23/10/2020	1 11	
	-	+	-		CESIEEDW12	 		1		1	26/12/2000	1	
				Project formulation	D191020L47						26/10/2020		
				Product Development	CE5IEEDW12								
	100-4 35		IV	Troduct Development	D201020L48 CE5IEEDW12				+	-	-	+	
12	19Oct - 25 Oct 20	5		Market Survey and Research	D211020L49						4/11/2020		



Maharshi Ko CUMMINS COLLEC

ve Stree Shikshan Somstha's ! OF ENGINEERING FOR (OMEN



CCOEW/CE / 20-21

Date: 30/ 7 / 2020

LESSON & TEACHING PLAN for Computer Architecture and Organization

					Dep	artment of Co	omputer Engi	neering					
aculty	Name: Prof	.Prasanna	Lohe					Sub: Compute	r Architecture and	Sec	Year :	2020-21	Sem:- V
NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab	Refrence Book - Chapter no. Page	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				Computer Evaluation and	CE5CAOW01D10820L01						60/08		1
				Arithmetic: A Brief History of computers, Designing for	CE5CAOW01D11820L02			Animated			Max	and the same of th	
1	10Aug - 14Aug	5		Performance, Von Neumann Architecture, Computer	CE5CAOW01D12820L03			Videos. PPTS, You tube			Mos		
				Components, interconnection Structures.	CE5CAOW01D13820L04			videos Link			13/07		
				Structures.	CE5CAOW01D14820L05				Computer		14108	No.	
			I	Bus Interconnection, Scalar Data Types, Fixed and Floating point	CE5CAOW02D17820L06	CAOPPT1			Organization and Architecture		4108	Control of the Contro	
			- 15.	numbers, Signed numbers, Integer Arithmetic, 2's Complement method	CE5CAOW02D18820L07			Binary Addition/Subt	by W. Stallings		18/03		100
2	17Aug-22	6		for multiplication.Booths Algorithm, Hardware	CE5CAOW02D19820L08			raction Using			tatos		
,-	Aug20			Implementation, Division, Restoring and Non Restoring algorithms,	CE5CAOW02D20820L09			Complement, Practical			es (or		
				Floating point representations, IEEE standards,	CE5CAOW02D21820L10			Assignments			21108		
				Floating point arithmetic	CE5CAOW02D22820L11						22/02		
					CE5CAOW03D24820L12						24108		
				Processor Design:Machine	CE5CAOW03D25820L13						20/08	/	
3	24 Aug-29	6		Instruction characteristics, types of operands, types of operations,	CE5CAOW03D26820L14			Solving Problems in			26108		2
3	Aug20		-	Addressing, Instruction formats, Processor organization, Register	CE5CAOW03D27820L15			groups/Pairs,, Assignments			83/68		05
				Organization	CE5CAOW03D28820L16						80186		
			п		CE5CAOW03D29820L17	CAOPPT2			Computer Organization by		29/08	\	
	, ,		"		CE5CAOW03D31820L18	CAGITIZ			Carl Hamacher		3/109		
					CE5CAOW03D01920L19			Animated			01109		
4	31Aug-			Instruction cycles, Instruction pipelining, ALU – Combinational	CE5CAOW03D02920L20			Videos. PPTS, You			01109		/
4	5sept20	6		ALUs and Sequential ALUs, RISC Architecture.	CE5CAOW03D03920L21			tube videos			03/09		
71	lty in Ch				CE5CAOW03D04920L22			Link			ourog		

WEE			o. Of ect.	Unit No.	Exact Topic Name & Subtopic	TOO	PPt ID	Video ID	Activity/ Virtual lab	Refrence & - Chapter no age	link for quiz or poll	Completion . Date	Assignment/Tu torial Date	AC's sign
						CE5CAOW03D05920L2	23					86709		١
						CE5CAOW04D07920L2	24	attended a second of the second of the second				07/09		
-					Single Bus Occasionation Control	CE5CAOW04D08920L2	2.5					08/09		
5	7sept-	. 6	.		Single Bus Organization, Control Unit Operations: Instruction	CE5CAOW04D09920L2	6		Case Study of			09/69		
	12Sept 20	"			sequencing, Micro operations and Register Transfer.	CE5CAOW04D10920L2	7		designing CU			10/09		
-				ш		CE5CAOW04D11920L2	8 CAOPPT3			Computer Organization by		11.109		70
\perp		_			-	CE5CAOW04D12920L2				Carl Hamacher pg no : 411-445		12/09		1
						CE5CAOW05D14920L3	0			7,500		14/09		
	14Sept-	4			Hardwired Control: Design methods – State table and classical method,	CE5CAOW05D17920L3	1			1		17/69		
	19Spt 20				Design Examples - Multiplier CU,Micro-programmed Control	CE5CAOW05D18920L32	2 1					18/09		+
						CE5CAOW05D19920L33] [10[09		/
	21sept- 26sept	5				CF5G LOW/CP202021		Sessi	onal I					
		5						Sessi	onal I					
		5				CE5CAOW06D28920L34		Sessi	onal I			29/09		
	26sept	5			Microinstructions and micro- program sequencing Characteristics	CE5CAOW06D29920L35		Sessi	onal I		2	9/09		
	26sept				Microinstructions and micro- program sequencing Characteristics of memory systems, Internal and External Memory, Types of			Sessi	onal I		2	- 1		
	26sept				Microinstructions and micro- program sequencing Characteristics of memory systems, Internal and External Memory, Types of memories.	CE5CAOW06D29920L35 CE5CAOW06D30920L36	-	Sessi			2	9/09		
	26sept			v	Microinstructions and micro- program sequencing Characteristics of memory systems, Internal and External Memory, Types of memories.	CE5CAOW06D29920L35 CE5CAOW06D30920L36 CE5CAOW06D011020L3 7 CE5CAOW06D031020L3 8	CAODETA	Se	Google earch on the	Computer Organization by	2	9/09		
	26sept	5			Microinstructions and micro- program sequencing Characteristics of memory systems, Internal and External Memory, Types of memories.	CE5CAOW06D29920L35 CE5CAOW06D30920L36 CE5CAOW06D011020L3	CAOPPT4	Se	Google earch on the C topic and ubmission p	Organization by Carl Hamacher	2 2 3 6 6	9/09 , 109 5/10 5/10		
3	28sept- 3oct20	5	1		Microinstructions and micro- program sequencing Characteristics of memory systems, Internal and External Memory, Types of memories.	CE5CAOW06D29920L35 CE5CAOW06D30920L36 CE5CAOW06D011020L3 7 CE5CAOW06D031020L3 8 CE5CAOW07D051020L3	CAOPPT4	Se	Google earch on the topic and	Organization by	2 2 3 6 6	9/09 5/09 5/10		
500	26sept	5	1	v	Microinstructions and micro- program sequencing Characteristics of memory systems, Internal and External Memory, Types of memories.	CE5CAOW06D29920L35 CE5CAOW06D30920L36 CE5CAOW06D011020L3 7 CE5CAOW06D031020L3 8 CE5CAOW07D051020L3 9 CE5CAOW01D061020L4 0 CE5CAOW07D071020L4	CAOPPT4	Se	Google earch on the C topic and ubmission p	Organization by Carl Hamacher og no : 291 to pg	2 3 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9/09 , 109 5/10 5/10		
500	28sept- 3oct20	5	1	v	Microinstructions and micro- program sequencing Characteristics of memory systems, Internal and External Memory, Types of memories. High-Speed Memories: Cache Memory, Organization and Mapping Techniques, Virtual Memory, Segmentation, Paging,	CE5CAOW06D29920L35 CE5CAOW06D30920L36 CE5CAOW06D011020L3 7 CE5CAOW06D031020L3 8 CE5CAOW07D051020L3 9 CE5CAOW01D061020L4 0 CE5CAOW07D071020L4 0 CE5CAOW07D081020L4	CAOPPT4	Se	Google earch on the C topic and ubmission p	Organization by Carl Hamacher og no : 291 to pg	2 2 3 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9109		
500	28sept- 3oct20	5	1	v	Microinstructions and micro- program sequencing Characteristics of memory systems, Internal and External Memory, Types of memories. High-Speed Memories: Cache Memory, Organization and Mapping Techniques, Virtual Memory,Segmentation, Paging, Address Translation	CE5CAOW06D29920L35 CE5CAOW06D30920L36 CE5CAOW06D011020L3 7 CE5CAOW06D031020L3 8 CE5CAOW07D051020L3 9 CE5CAOW01D061020L4 0 CE5CAOW07D071020L4 1 CE5CAOW07D081020L4 2 E5CAOW07D091020L4	CAOPPT4	Se	Google earch on the C topic and ubmission p	Organization by Carl Hamacher og no : 291 to pg	2 2 3 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9109 9109 5110 5110 5110 5110 5110		
500	28sept- 3oct20	5	1	v	Microinstructions and micro- program sequencing Characteristics of memory systems, Internal and External Memory, Types of memories. High-Speed Memories: Cache Memory, Organization and Mapping Techniques, Virtual Memory, Segmentation, Paging, Address Translation	CE5CAOW06D29920L35 CE5CAOW06D30920L36 CE5CAOW06D011020L3 7 CE5CAOW06D031020L3 8 CE5CAOW07D051020L3 9 CE5CAOW07D061020L4 0 CE5CAOW07D071020L4 1 CE5CAOW07D081020L4 2 CE5CAOW07D091020L4 2 CE5CAOW07D091020L4	CAOPPT4	Se	Google earch on the C topic and ubmission p	Organization by Carl Hamacher og no : 291 to pg	2 2 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9/59 9/59 5/10 5/10 5/10 5/10 5/10 5/10 5/10		
500	28sept- 3oct20	5	1	v	Microinstructions and micro- program sequencing Characteristics of memory systems, Internal and External Memory, Types of memories. High-Speed Memories: Cache Memory, Organization and Mapping Techniques, Virtual Memory, Segmentation, Paging, Address Translation Address Translation	CE5CAOW06D29920L35 CE5CAOW06D30920L36 CE5CAOW06D011020L3 7 CE5CAOW06D031020L3 8 CE5CAOW07D051020L3 9 CE5CAOW01D061020L4 0 CE5CAOW07D071020L4 1 CE5CAOW07D081020L4 2 E5CAOW07D091020L4	CAOPPT4	See S	Google earch on the C topic and ubmission p	Organization by Carl Hamacher og no : 291 to pg	2 2 3 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9/09 5/10 5/10 5/10 5/10 5/10 5/10 5/10 5/10 5/10 5/10		

-	WEEK		No. Of	Unit					Activity/	Refrence Boo	link for quiz or poll		Assignment/Tu	AC's sign
-	No.	Week	Lect.	No.	Exact Topic Name & Subtopic	Top!	PPt ID	Video ID	Virtual lab	Chapter no.	min for quit or pen	Date	torial Date	-
	10	12oct- 17Oct 20	6	v	Systems, Programmed I/O, Interrupt Driven I/O, I/O channels, Direct Memory Access (DMA), Buses and standard Interfaces.	CESCAOW08D151020L4 7 CESCAOW08D151020L4 8 CESCAOW08D161020L4 9 CESCAOW08D171020L5 0	CAOPPT5		n of Hard disk and Storage,Case Study of working mechanism of printer,scanne	Computer Organization by Carl Hamacher pg no : 203		13/10		
					mechanisms of Peripherals: Keyboard, Mouse, Scanners, Video Displays, Touch Screen panel, Dot	CESCAOW10D191020LS 1 CESCAOW10D201020LS 2 CESCAOW01D211020LS			r,mouse,Keyb oard			21110		1
	11	19Oct- 24oct20	6		Processor Organizations, Symmetric Multiprocessors, Clusters, Non- uniform Memory Access , Vector	CESCAOW10D221020L5 4 CESCAOW10D231020L5 5 CESCAOW10D241020L5				Computer		22/10		
	14	26Oct- 31oct20	5	VI	RISC: Instruction execution characteristics, use of large register file, compiler based register	CESCAOW11D261020L5 7 CESCAOW11D271020L3 8 CESCAOW11D281020L5 9 CESCAOW11D291020L6 0 CESCAOW11D311020L6	CAOPPT6		Case Study on working mechanism	Organization by Carl Hamacher pg no : 617-656		2610 2710 2410 2410		
	15	5Nov- 10Nov 20			pipenning, rdSC vs. ClSC			Sess	ional II				•	

à



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Date 1 8 / 2020

						TEXNON & TEAC	HING PLAN to	i Data Ware	housing & Min	ing				
					and the second s	Depa	riment of Co	nputer Engir	neering					
rarult	y Na	mer Prof.)	/idya Rau	1			Sub: Da	ta Warehous	ing & Mining (весметочт)	Sec: A	Year :	2020-21	Sem:- III
WEEK No.		Week	No. Of Lects	Unit Ne.	Exact Topic Name & Subtopic	Tupic 1D	preto	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
,		10Aug - 14Aug	ħ		Introduction to data warehousing, evolution of decision support systems Data warehouse life cycle, building		DWM_IDW _ppt_01	DWM_IDW		Data Warehousing		10/8/20	,	
	2	17Aug-21 Aug20	Б	'	a data warehouse, Data Warehousing Components Data Warehousing Architecture,	05 CE7DWMW03D190820L 08 CE7DWMW03D210820L	DWM_DW A_ppt_02	Mariana Najara da Mariana da Mari		Fundamentals - Paulraj Ponnaiah Wiley		2072 2072 278		
				14	Trends in data warehousing Data marts, Metadata On Line Analytical Processing OLAP in the Data Warehouse:	10 CE7DWMW04D2508201 13	Cardinar at the same	1000 and 100				2413 2518		
	3	24 Aug-29 Aug20	5	11	Demand for Online analytical processing, need for multidimensional analysis fast access and powerful calculations, limitations of other analysis methods, Ol AP	CE7DWMW04D2608201 14 6, CE7DWMW04D2908201 16	DWM_AP_ pt_03	P		Data Warehousing Fundamentals Paulraj Ponnaiah Wiley		26/8 27/8 23/8		
	1	INep- Mep20	4		definitions and rules OLAP characteristics, major features and functions, OLAP models the MOLAP model, the ROLAP model, ROLAP versus MOLAP	CE7DWMW01D050920	L DWM_OL P_ppc04					V9 219 319 513		ape
	5	75ep-11 5ept 20	ħ		Multidimensional Data Models: Types of Data and Their Uses, from Tables and Spreadsheets to Data Cubes	CE7DWMW02D08092C 22 CE7DWMW02D09092C 23	DWM_M			Data		5/3 9, 16, 14	13 ASCM	
		I disep		m	Identifying Facts and Dimensions Designing Fact Tables, Designing Dimension Table, Date Warehouse Schemas, Introduction to OLTP	25	DWM_IF			Warehousing Fundamental Paulraj Ponna Wiley	A Company of the Company	15.19 15.19		

K	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refr Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignment/Tu torial Date	AC's sign
				Sessional I practice									<u></u>
1	21 Sep-25 Sep						Session	al I					1
8	28 Sep-3 Oct 20	5		Data Mining: Introduction: Motivation, Importance, Data Mining Functionalities Knowledge Discovery Process, KDD and Data Mining, Data Mining vs. Query Tools, , interesting patterns,	CE7DWMW04D300920L 34	DWM_DM_ ppt_07			https://nptel.ac.in/c ourses/106/105/106 105174/		28/9 29/9 30/9		i
			r	Classification of data mining systems, Major issues, from Data warehousing to data Mining					Data Mining Concepts and		/10.		
	5 Oct		5	Data Preprocessing: Need for Preprocessing the Data, Data Cleaning, Data Integration and Transformation, Data Reduction Discrimination and Concept Hierarchy Generation	CE7DWMW02D071020L 39	DWM_DP_1			Techniques by Jiawei Han ,Micheline Kamberr , JianPei		5/10 6/10 Hlo.		
	Oct 2	U		Mining Frequent Patterns, Associations and Correlations – Mining Methods – Mining Vario Kinds of Association Rules	us CE7DWMW02D091020I	DWM_MFF _ppt_12					3/10 9/10	極12	
				Correlation Analysis – Constra Based Association Mining – Classification and Prediction – Basic Concepts - Decision Tree Induction - Bayesian Classificat	CE7DWMW03D141020	L DWM_CA_ppt_13	-		https://nptel.ac.in/c ourses/106/105/106 105174/		12/10 13/10 14/10		
1	0 12 Oct 2		3	Rule Based Classification – Classification by Back propagat – Support Vector Machines – Associative Classification – L Learners – Other Classificatio Methods - Prediction	CE7DWMW03D161020	L DWM_RB0 _ppt_14	с				15/10		Mr.
1	1 19 Oct Oct 2		5	Cluster Analysis - Types of Data Categorization of Major Cluster Methods - K- means - Partitioni Methods	ing CE7DWMW041D21102	0 DWM_CA ppt_15	-				20/10		
_	culty in			Hierarchical Methods - Density- Based Methods -Grid Based Methods	CE7DWMW04D231020 51	DWM_HM ppt_16	1_	но	Data Mining Concepts and		22/10	1	

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	no,eartion. wo	link for quiz or poll	Date	Assignment/Tu torial Date	AC's sign
			VI	 Model-Based Clustering Methods Clustering High Dimensional Data Constraint – Based Cluster Analysis – Outlier Analysis 	CE7DWMW05D281020L 53	DWM_MBC _ppt_17			Techniques by Jiawei Han ,Micheline Kamberr , JianPei		26/10	A8893	
12	26 Oct-31 Oct 20	4		Data Mining Applications. Social Impacts of Data Mining Case Studies: Mining WWW Mining Text Database Mining Spatial Databases	CE7DWMW05D311020L 55	DWM_DM A_ppt_18					28/10		
13	2 Nov Nov20			Revision				-			&/1 ₁ ,		2
14	5 Nov - 10 Nov20	0					Session	al II					







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference





CCOEW/CE/ 20-21

Date: 31/ 7 / 2020

LESSON & TEACHING PLAN for Engineering Physics

					Departme	nt of Computer En	ginee	ring					
aculty	y Name:	Prof.	Shara	ayu Deote				Sub: Inform	nation Assuranc	e and Network Sec	Year: 2	2020-21	Sem:- VII
WEE K No.	Week	No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Vide o ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date		AC's sign
				Security fundamentals ,Introduction Terminology Attacks ,security goals : Authentication & Authorization	CE7IANSW01D100 820L01	IANS_CE_PPT_0		Socratic Questionin g	Cryptograph		24/08		
1	1de na	5	ı		CE7IANSW01D100 820L02	IANS_CE_PPT_0 1			y & network security by William				
	Q4Aug			Ciber techniques:Substitution and Transposition Various	CE7IANSW01D100 820L03	IANS_CE_PPT_0 1			stalling				1
				algorithm and its implementation	CE7IANSW01D100 820L04	IANS_CE_PPT_0					26/0	b	1
					CE7IANSW01D100 820L05	IANS_CE_PPT_0		Examples			27/0		

Faculty in Charge

WEE K No.	Week	No. Of Lect	Uni t No.	1	act Topic Name & Subtopic	Topic ID	PPt ID	Vide o ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date		
				1	Authorization Pr	CE7IANSW02D170 820L06	IANS_CE_PPT_0 2							
					One time pad ,Modular Arithmatic ,GCD	CE7IANSW02D170 820L07	IANS_CE_PPT_0 2	P_C E_V		Cryptograph y & network				
2	30A 21 Am	1 3	5	1	stream cipher, secret splitting and sharing	CE7IANSW02D170 820L08	IANS_CE_PPT_0 2			security by William stalling				
	OL	(sept			block cipher	CE7IANSW02D170 820L09	IANS_CE_PPT_0 2	AM P_C E_V		J			Assign	
		ADDRESS CONTRACTOR			Tutorial	CE7IANSW02D170 820L10	IANS_CE_PPT_0 2						ment	
-					eclide algoriths, Chinese Remainder theorm,	CE7IANSW03D240 820L11	IANS_CE_PPT_0	AM P_C E V					Tutoria I	3DC
					Descete Logarithm,	CE7IANSW03D250 820L12	IANS_CE_PPT_0							
	0	246 CEP		П	Fermats Theorms	CE7IANSW03D240 820L12	IANS_CE_PPT_0	0						-
	3 Дан	g20	5		Block generation & uses ,ECC	CE7IANSW03D250 820L13	IANS_CE_PPT_ 3	0					-	-
	5	ept			Pentium real mode	CE7IANSW03D240 820L13	IANS_CE_PPT_	0					1	<u> </u>

Faculty in Charge

HOD

WEE K No.	Week		Uni t No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Vide o ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	1000	AC's sign
				1 Tutorial		IANS_CE_PPT_0 3							
				Hash Algorithms: SHA- 1,MD5	CE7IANSW04D310 820L16	IANS_CE_PPT_0 4		GD on implement ation of algorithm			28/01		
		est		Cryptograhpy Symmetric key algorithm : DES	CE7IANSW04D020 920L17	IANS_CE_PPT_4					11-109		
	4 31A		5	I AES	CE7IANSW04D310 820L17	IANS_CE_PPT_0					20 09)
	18 5	PA		Blowfish Algorithm,	CE7IANSW04D020 920L18	IANS_CE_PPT_0					21/09		S)
				Attacks on DES	CE7IANSW04D310 820L18	IANS_CE_PPT_5	5				18/09		
		\dashv	W	Modes of operations	CE7IANSW05D070 920L21	IANS_CE_PPT_:	5				22/09		-
	20	sept		Linear cryptanalysis and Differential cryptanalysis	CE7IANSW05D080 920L22	IANS_CE_PPT_	5				25/09	-	-
	675	sept-	5	Public key algorithm :RSA,Key	CE7IANSW05D070 920L22	IANS_CE_PPT_	.5				27/09	-	
	24	Sept 15ept		Tutorial	CE7IANSW05D08 920L23	IANS_CE_PPT_	_5					1.	1

Faculty in Charge

HOD

WEE K No.	Week	No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Vide o ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date		ALCOHOL: N
			ш	Introduction,	CE7IANSW05D070 920L23	IANS_CE_PPT_6	AM P_C E_V						
				Key Management: Generations, Distribution,	CE7IANSW06D140 920L26	IANS_CE_PPT_6							
	Sept	1 -		Digital Certificate, X.509 certificates,	CE7IANSW06D170 920L27	IANS_CE_PPT_6							/
5	O ¹⁹	t		Digital Signature,	CE7IANSW06D140 920L27	IANS_CE_PPT_6					19-00	- /	
				Diffiee Hellman Key Exchange	CE7IANSW06D170 920L28	IANS_CE_PPT_6							
6	21Se 25Se 20	ept		•		Session	al I						
-	7	-		One Way Authentication,	9201 29 CE/IANSW07D290) <u>(</u>
	\neg			Kerberos.	9201 30 CE/IANSW07D280								De
	Sep	.		Network Security	9201 30	IANS_CE_PPT_7							
	03 0	Oct	5 1	Layer Wise Security Concerns,	CE7IANSW07D290 920L31	IANS_CE_PP1_/							
				IPSEC- Introduction, AH and ESP,	920L31		'						
9		+	+	Tunnel Mode, Transport	020L34	IANS_CE_PPT_7	7		_		1		
	05 O			Mode,	CE7IANSW08D061 020L35	IANS_CE_PPT_8	3	GD on implement ation of algorithm			08 02+		



VEE K No.	Week	No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Vide o ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date		AC's sign
	10 Oct 20	5	IV	Security Associations, SSL- Introduction,	CE7IANSW08D051 020L35	IANS_CE_PPT_8						Assign	
				Handshake Protocol, Record Layer Protocol.	CE7IANSW08D061 020L36	IANS_CE_PPT_8					1	ment	
	1			IKE-Internet Key Exchange Protocol.	CE7IANSW08D051 020L36	IANS_CE_PPT_8					10 do		/
10	1	+	1	Intrusion Detection Systems: Introduction,	l020L39	IANS_CE_PPT_0					<u> </u>		
	1			Anomaly based	CE7IANSW09D131 020L40	9			-				
\vdash	12 0			Signature Based, Host Based	d, CE7IANSW09D121 020L40 CE7IANSW09D131	9			-				(F)
	17O 20		'	Network Based Systems.	020L41 CE7IANSW09D131	9			-{		1.1.		131
				Security Management and Applications	020L41	9			-		19 oct		
	1			Intruders, Intrusion detection Password management,	n, CE7IANSW09D13 020L42 CE7IANSW10D19	0					1		
11	1			Worms, viruses, Trojans,	020L45 CE7IANSW10D20	0			-				1
	19 0	ct		Virus countermeasures, Firewalls,	020L46 CE7IANSW10D19	0			7				
	24 O 20	ct 5		Firewall design Principals,	020L46 CE7IANSW10D20	0	.1				26 00	4	4
_	┙~			Trusted system, Electronic Payment: Introduction,	020L47 CE7IANSW10D19	0 01 IANS_CE_PPT_	1					Assi	Pn -
L	-	+	\perp	Payment types, over interne		51 IANS_CE_PPT	1 ,					me	- 1
12	2			transactions and	020L50	1			A				/
_									10p				

Faculty in Charge

WEE K No.	Week	No. Of Lect.	Uni t No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Vide o ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	76 S 6 A S 5 A S	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
				,,,,,,,	CE7IANSW11D271 020L51	IANS_CE_PPT_1 1							
				Cyber Crimes & Laws	CE7IANSW11D261 020L51	IANS_CE_PPT_1 1							
	26 Oct			Forensics, Online	CE7IANSW11D271 020L52	IANS_CE_PPT_1 1							
	31 Oct 20	5	VI	tracing and recovering electronic	CE7IANSW11D261 020L52	IANS_CE_PPT_1 1							
				Internet fraud, Cyber Stalking, Identity Theft,	CE7IANSW11D271 020L53	IANS_CE_PPT_1 1		,					
				Industrial Espionage, Cyber Terrorism.	CE7IANSW11D261 020L53	IANS_CE_PPT_1 1					31 out		
				IT LAWS								\perp	
	16					Sessiona	ıl II					J	

ST.

W.

EK o.	Week	No. Of Lect.		nit o.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	https://yout u.be/fezcbAb ilHU	Kerrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent/Tuto rial Date	AC's sign
	Aug20					CME705TW03D270820L		A Addition	ii) Task given students for	A Computer Science		26/10/20		5
						CME705TW03D280820L 15			design creative web	Perspective", 1st Edition,		26 170120		
					Client side programming,	CME705TW04D310820L 16			pages, also collect more info about	Jeffrey C. Jackson 2)		31110/20		
					Java Script Language,	CME705TW04D010920L 17			web essentials as	Web Programming		119120		1
4	31Aug- 5Sept2				Java Script Language, syntax	CME705TW04D020920L 18			an assignment	(Building Internet		2/9/20		
				II	host objects: Browsers	CME705TW04D030920L 19	WT-02			Applications) ", 3rd Edition, Chris Bates		3/9/20		
					host objects: Browsers	CME705TW04D040920L 20		2		Chilis bates		419/20		
					DOM	CME705TW05D070920L 21						\$19120		(4)
					DOM prgram structure	CME705TW05D080920L 22						819/20	hay contact design and the	
5	7Sept-		,		AJAX	CME705TW05D090920L 23		,			-	1019120		
					JAVA Applets,	CME705TW05D100920L 24						1119120		
					server side programming:	CME705TW05D110920L 25						1219120		
					server side programming:	CME705TW06D140920L 26		,	1			1419120		-
		-		III	Java Servlets - basics,	CME705TW06D150920I 27	_ W 1-0.	3	Given			1619120		
6	14Sept 19Spt 2				Java Servlets - basics,	CME705TW06D160920I			examples for more practse			1719120	, ,	-
	19Spt 2				separating programming and presentations	CME705TW06D1709201		g 10		25		181912	+	

EEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	https://yout u.be/fezcbAb iIHU	Afrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent/Tuto rial Date	AC's sig
	,				CME705TW06D180920L 30		# St 2000 - 100 -				1919120		
					21 Sept-2:	5Sept 2	2020 Sess	sional -I					
				JSP basics	CME705TW07D280920L	04 - 10 To - 10 To -					28 9 30		
			ııı	simple JSP pages.	CME705TW07D290920L 32						24/9/20		+
7	28Sept- 3Oct 20			Representing web data	CME705TW07D300920L	WT-03		Given Task			30 19120		+
	The same control of the sa			database connectivity	CME705TW07D011020L			to find out applications	-	THE CONTRACT OF THE CONTRACT O	1/10/20		+
				JDBC	CME705TW07D031020L			for related topic		riote supro can	3/10/20	The state of the s	+
				Dynamic web pages,	CME705TW08D051020L 36						511018		\rightarrow
				Dynamic web pages,	CME705TW08D061020L 37						671010		1
8	5Oct- 9Oct			XML, DTD	CME705TW08D071020L 38						11910		193
			IV	XML, DID	CME705TW08D081020L 39	WT-04					8110120		
			CONTRACTOR CONTRACTOR	XML schema,	CME705TW08D091020L 40			XML practice			9/10/120		
				DOM, SAX	CME705TW09D121020L 41			program	1) "Web Technologies -		11110120	10 mm	
				Parsing XML Document using DOM/SAX parser.	CME705TW09D131020L 42				A Computer Science	1	210120		
					CME705TW09D141020L 43		(A)		Perspective", 1st Edition,		1310120		
9	12Oct- 17Oct	6		Email Tools	CME705TW09D151020L 44				Jeffrey C. Jackson 2) Web	ı	411920		
				FTP Tools	CME705TW09D161020L 45				Programming (Building		15/10/10		
Facı	lty in	Cha	ge	111 10015	CME705TW09D171020L 46			H	Internet D pplications)",	***************************************	16/10/20		

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Subto		Topic ID	PPt ID	Video ID	https://yout u.be/fezcbAb iIHU	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completion Date	Assignm ent/Tuto rial Date	AC's sign
			V	WWW,TELNE	ET, PUTTY,	CME705TW09D171020L 47				3rd Edition, Chris Bates		1210120		
				DNS, Web Serv	vices & Feeds	CME705TW10D191020L 48 CME705TW10D201020L 49						19/10/20		
10	19Oct- 24Oct	5		SOAP, R	SS Feeds Applications	CME705TW10D211020L 50 CME705TW10D221020L	-		1			21/1920		
					sessions,	51 CME705TW10D231020L 52	-		Given task to find out more			23/10/26		
			The second secon	APACHE TOMO	CAT,Accessibility	CME705TW11D271020I			web application		works.	26/10/20		9)
1	26Oc	t-	6	Internati	onalization	54 CME705TW11D281020I 55	WT 06					28/10/20		
	3100	t		Types of Web	Attack ,Intrusion	CME705TW11D291020I 56 CME705TW11D301020I		<u></u>	,			30/10/20		
		ALECCIONE SALAS MODERNIOS CONTRACTOR CONTRAC		Re	vision	57 CME705TW11D3110201 58						51110120	To do management	
								Session	al II				,	



Ac



Maharshi Karve Stree Shikshan Samstha's **CUMMINS COLLEGE OF ENGINEERING FOR WOMEN** Sharpening Engineering Acumen with a difference



CCOEW/CE / 20-21

Date: 7/ 7 / 2020

					LESSON & TEA	CHING PLA	N for O	perating Syster	n				
					Departm	ent of Com	puter E	ngineering					
aculty	Name: I	Prof. Sh	ailesh	Sahu				Sub: Operatin	g System		Year :	2020-21	Sem:- VII
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	tion	Assignm ent/Tuto rial Date	AC's sign
				What is Operating System do(OS)	CE7OSW01D0 10820L01	FY_CE_p pt_01			Opearting System Concepts by Avi		1418		
1	10Aug 14Aug		I	"Types of OS,Operating system services,"	CE7OSW01D0 10820L02	FY_CE_p pt_02			Silberschatz, Galvin chapter 1, pg no. 3,12,18,20 Chapter 2, pg no. 49-88 Chapter 10,		KIP		
				User-operating system Interface, System calls, Types of system calls	CE7OSW01D0 10820L03	FY_CE_p pt_03			pg no. 421-451		1418		al
	17Aug			System programs, operating system structure, Virtual machines	CE7OSW02D0 10820L01	FY_CE_p pt_04			Opearting System Concepts by Avi Silberschatz, Galvin		18/8		3/2
2	21 Aug20	5	I	FILE SYSTEM: File concepts, Access methods	CE7OSW02D0 10820L02	FY_CE_p pt_05			-chapter 1, pg no. 3,12,18,20 Chapter 2, pg no.		2013		
				Directory & Disk structure	CE7OSW02D0 10820L03	FY_CE_p pt_06			49-88 Chapter 10, pg no. 421-451		2112		
				File system Mounting, File sharing, protection File system structure,	CE7OSW03D0	FY_CE_p pt_07	,		Opearting System Concepts by Avi		25/8		

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	tion	Assignm ent/Tuto rial Date	AC's sign
3	24 Aug- 29 Aug20	5		File system implementation, Directory implementation, Allocation method, Free-space management, Efficiency & performance, recovery	CE7OSW03D0 10820L02	FY_CE_p pt_08			Silberschatz, Gaivin chapter 1, pg no. 3,12,18,20 Chapter 2, pg no. 49-88 Chapter 10, pg no. 421-451		24/8		
4	31Aug- 5 Sep 20	5	II	Process concept, process scheduling operations on process, interprocess communication THREADING: Multithreaded		pt_09			Opearting System Concepts by Avi Silberschatz, Galvin chapter 11, pg no. 461-490 Chapter 3,		1	3112/2	20
				programming overview,multithreading models. PROCESS SCHEDULING: Basic	CE7OSW05D0	pt_10 FY_CE_p			pg no. 101-128 Opearting System		8/3		
5	7 sep- 11 sep 20	1	п	scheduling criteria, scheduling algorithm.	10820L01 CE7OSW05D0 10820L02	pt_12			Concepts by Avi Silberschatz, Galvin chapter 6, pg no.		1019		
			DESCRIPTION OF THE PROPERTY OF	multiprocessor scheduling algorithm evaluationithm.	CE7OSW05D0 10820L03	FY_CE_p pt_13	1		225-257		1119		911
6	14 Sept 19 Spt 20	1	Ш	PROCESS SYNCHRONIZATION: Background" critical section problem Peterson's solution,synchronization,	CE7OSW06D0	FY_CE_r pt_14			Opearting System Concepts by Avi Silberschatz, Galvin Chapter 7, pg no 283-304	b.	19.0		
7	21 sept to 25 sept 20			North Company	Sessi	onal- I	(21 s	ept to 25	sept 20)				J
	28 sept to3 oct 20	5		Hardware solution, semaphore monitors, classic problems of synchronization, types of semaphore.	CE7OSW08D0 10820L01	FY_CE_ pt_15	p		Opearting System Concepts by Avi Silberschatz, Galv Chapter 7, pg n 283-304	in	3118	2	2020

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	tion	Assignm ent/Tuto rial Date	AC's sign
9	5 oct-9			DEADLOCKS: System model, Deadlock characterization Methods for handling deadlocks Deadlock prevention,deadlock avoidance Deadlock detection Recovery from deadlock	CE7OSW09D0 10820L01 CE7OSW09D0 10820L02 CE7OSW09D0 10820L03	pt_16 FY_CE_p pt_17			Opearting System Concepts by Avi Siliberschatz, Galvin chapter 6, pg no. 225- 257 Chapter 7, pg no. 283-304		3/10 3/10		
10	12 oct 17 oc 20	1	IV	SECONDARY STORAGE STRUCTURE: Overview of mass storage structure, Disk structure. Disk attachment, Disk scheduling, Disk management Introduction to RAID structure swapping.	CE7OSW10D0 10820L01 CE7OSW10D0 10820L02	pt_19			Opearting System Concepts by Avi Siberschatz, Galvin Chapter 12, pg no. 505- 533 Chapter 8 pg no. 315-342 Chapter 9 pg no. 337-396		13/10		gl.
11	19 oc 23 oc 20	- 1	v	contiguous memory allocation paging structure of page table, segmentation VIRTUAL MEMORY MANAGEMENT: Background demand paging copy-on-write, page replacement, allocation of frames Thrashing, memory mapped file Allocating kernel memory	CE7OSW11DC 10820L01 CE7OSW11DC 10820L02	pt_21			Opearting System Concepts by Avi Silberschatz, Galvin chapter 12, pg no. 505-533 Chapter 8 pg no. 315-342 Chapter 9 pg no. 357-396		20/40		

MEE No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no.edition. No	link for quiz or poll	tion	Assignm ent/Tuto rial Date	AC's sign
1 2	26 oct - 31 Oct 20	6		SYSTEM PROTECTION Goals of protection principles and Domain of protection. Access Matrix implementation. Access control. Resocution of access Right capability based systems. Impulge based systems.		FY CE p pt 23			Opearting Sentem Corecepts by Acc Silberschaft, Galvin Chapter 14 pg no. 501-610			3 ololo	对现
1.3					Sess	ional II	(5 No	v to 10 No	ov 20)		-		

Sale feache

A

HOD



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Date: 07/07/2020

CCOEW/AS / 20-21

LESSON & TEACHING PLAN for Theory of Computation

					Department	of Compu	ter Engi	neering			,		
Faculty	Name: P	rof. Sha	ilesh S	Sahu				Sub: Theory o	f Computation		Year :	2020-21	Sem:- V
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignm ent/Tuto rial Date	AC's sign
				Strings, Alphabet, Language operations, Finite state machine definitions, Finite automation model.	BECME501TTOC W01D100820L01	TY_CE_ ppt_01			Introduction to Automata Theory, Languages, and		1018		
1	10Aug 14Aug	1 7	I	Acceptance of strings and language, Non deterministic finite automation, Deterministic finite automation.	BECME501TTOC W01D110820L02	TY_CE_ ppt_02			Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 35		1218		
				Design of Automation	BECME501TTOC W01D120820L03	TY_CE_ppt_03			to45		1418		9
				Design of Automation	BECME501TTOC W02D170820L01	TY_CE_ppt_04	2		Introduction to Automata Theory,		17/8		
2	17Aug- 21 Aug20	5	I	Design of Automation	BECME501TTOC W02D180820L02	TY_CE_ppt_05	-	and a second sec	Languages, and Computation 3rd Edition, by John E. Hopcroft and L		2918		



WEEK No.	w	eek	No. Of Lect.	Unit No.		Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	lent/Tuto	The second secon
					D	TA C ' CNITA into	BECME501TTOC W02D190820L03	TY_CE_ppt_06			Ullman Page No. 45 to 55		21/8		
	2	4 Aug			- 1	Minimization of FSM	BECME501TTOC W03D170820L01	TY_CE_ppt_07			Introduction to Automata Theory,		2418		
3		29 Aug2	0 6		- 1	Equivalence between two FSM's	BECME501TTOC W03D180820L02	TY_CE_ppt_08	-		Languages, and Computation 3rd Edition, by John E.		277		
-		31Au				Moore and Mealy machines	BECME501TTOC W04D190820L01	TY_CE_ppt_09	-		Hopcroft and J. Ullman Page No. 60		2613		
	4	Sep		6	I	Interconversion between Moore and Mealy machines.	BECME501TTOC W04D030920L02	TY_CE_ppt_10	-		to 77		2318	Asvitan	nét
						Introduction to Regular language and Regular expression Regular set, Regular Expression and Regular languages smaple examples.	DECLESOITTOC	TY_CE_ppt_11					6719		
	5		ep-11 p 20	5	11	Regular expression examples. Equivalence and Inter Conversibetween Regular Expression an FA.			_		Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J.		ووالا		
						Identity rules and manipulation Regular Expression Interconversion of RE and FA.	W05D1008201 03				Ullman Page No. 79 to 105		11/100		

WEEK No.	Week	No. Of Lect.	Unit No.	Ex	kact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	Assignm ent/Tuto rial Date	AC's sign
6	14 Sept- 19 Spt 20	1	п	Clo	erconversion of RE and FA. osure Properities of Regular set d Chomsky Hierarchy.		TY_CE_ ppt_14					19/09		
7	21 sep to 25 sept 2	;	0		er er Landstein († 1845). Landstein († 1865)	Session	al- I (2	1 sep	t to 25 sep	ot 20)				
	28 se to 3 c 20	ept	5 1	II F	Conversion from RE to RG and Right Linear to Left LinearConversion from Regular Grammar to FA, conversion for Left to Right linear Grammar Pumping Lemma for Regular Grammar.	BECME501TTOC W08D030920L01	TY_CE_ppt_15			Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No.105 to 154		93/10	Droff D	
	9	oct-9		Ш	Introduction to CFG and derivation Trees. Left Derivation Tree and Right Derivation Tree. Chomsky normal form. Greibach normal form	BECMESOTTOC	TY_CE_ppt_16 TY_CE_npt_17 TY_CE_ppt_18	-		Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hoperoft and J. Ullman Page No. 157 to 175		08/80 08/80		De .
	10 17	oct - oct 20		III	Push Down Automaton Definition and model. Closure Properties of CFL, Pumping lemma for CFL.	BECME501TTOC W10D170820L01 BECME501TTOC W10D180820L02	TY_CE ppt_19 TY_CE			Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 175 to 200, Page No. 200 to 235.		12110		



WI		Week	No. Of Lect.	Unit No.	Đ	xact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	lent/luto	_
	11	19 oct	-	IV	Mo Un Tu	ilversal furnig Machine.	BECME501TTOC W11D170820L01	TY_CE_ ppt_21			Introduction to Automata Theory, Languages, and		20) 10		
		23 oc 20	t	r	v	Recursive enumerable language Types of TM's (proofs not required). Linear bounded automata and Context sensitive language, Counter machine.	BECME501TTOC W11D180820L02	TY_CE_ppt_22	-		Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 234 to 380		2.9/10		7
		12			v	Decidability and Undecidability of problems, Properties of recursive & recursively enumerable languages. Halting problems and Undecidability of language Post correspondence problem, Ackerman function, and Church hypothesis.	W12D190820L01	TY_CE ppt_23			Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopxroft and J. Ullman Page No. 287 to 337		26110		924
		26	oct -									and the second			

Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	link for quiz or poll	Completi on Date	ient/iutor	AC's sign
31 Oct 20	6		Recursive Function: Basic functions and operations on them, Bounded Minimalization, Primitive recursive function, Primitive recursive predicates, Mod and Div functions, Unbounded Minimization, Equivalence of Turing Computable function and µ-recursive function.					Guest Lecture		21/10	3)	

Dr. Millor Manager Al 171 2 Processor State Control of St

Ac



Maharshy Carve Stree Shikshan Samsthd CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acamen with a difference



Lab Practicals Plan

CCOEW/ Department of Computer Engineering 2020-21

Pro	f. S. Deote	TCPIP and I	nternet				Departme	ent: CE				
			BatchB1				B2		В3			
Pi	Name of experiment	Planned Date	Perform Date	No. of Viva done and link for viva questions		lanned Date	Perform Date	No. of Viva done and link for viva questions	Planned Date	Perform Date	No. of Viva done and link for viva questions	Ac's Remark
pri	print	print	fill	fill		print	fill	fill	print	fill	fill	fill
1	To study TCP/IP protocol suit	10/18/20	80 01									
2	Configure star topology using Hub & Switch	17 /08/x	17/08									
	To Configure VLAN on switch	24/08/2	24/08				Due	o onl	ine.			
	To Configure VLAN on switch with Trunk mode	31 08/20	31/18			P	R. Cono	mulee	l in a	1		
	To configure router and perform communication	07/09/	20 07 09			Dut	P	butc	h,			
	6 To implement NAT(Static,dyanamic,PAT)	28/09/	28/1	19		1						
	7 To implement RIP Protocol on router	05 10	05/10		\parallel			,			1	
	To implement OSPF Protocol on router	12/10	12/10		\parallel							
F	9 Configure BGP Protocol	26 10	26/10)	Ц					1		

Sub. Teacher

College of English Ringens (1988)

Dr. Millind Khanapurkar Principal Mahashi Karve Stree Shikhaha Saemba's Sunnisa College of Expineering for Worken



Maharshi K() re Stree Shikshan Samstha's ()

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference

Date: 31/

2020 CCOEW/CE/ 20-21 **LESSON & TEACHING PLAN for TCPIP Department of Computer Engineering** Year: 2020-21 Sem:- V Sub:Transmission Control Protocol & Faculty Name: Prof. Sharayu Deote Assignm Activity/ link for Book ent/Tut Completi AC's sign Virtual lab Video quiz or Chapter no. orial on Date **Exact Topic Name &** PPt ID No. Of Unit **Topic ID** link Teaching ID WEEK llog Page Date Week Subtopic No. Aid Lect. No. s.google.co : Comparison of OSI m/forms/d Socratic & TCP/IP model, TCPIP_CE_PP /e/1FAlpQ CE5TCPIPW01D100 Ouestioning LSfzcU8Wk Internetworking T 01 820L01 0Cxog66kt concepts & 90W/17RS architecture model, **TCPIP** TCPIP CE PP CE5TCPIPW01D110 Protocol : IPV4 Address: T 02 820L02 Classful, Classless, Suite Fourth 10Aug -NAP, ISP, RFC, Internet TCPIP CE PP CE5TCPIPW01D120 5 Edition 14Aug standards, Internet T 01 820L03 Behrouz a Backbone, Forouzan CE5TCPIPW01D130 TCPIP CE_PP CIDR(Class less T 02 820L04 interdomain Routing) CE5TCPIPW01D140 TCPIP_CE_PP Numericals on Examples T 02 820L05 CIDR(subnetting) Subnetting Perform on TCPIP_CE_PP CE5TCPIPW02D170 Numericals on Cisco Packet T 02 820L06 CIDR(Supernetting) tracer TCPIP CE5TCPIPW02D180 TCPIP CE PP Protocol SpeCial address T 02 College 820L07 Suite Faculty in Charge

/									Activity/		Refrence	Assignm			
WEE No.	κ	Week	No. O Lect.	f Ur No		Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Virtual lab link Teaching Aid	Chapter no. Page	link for quiz or poll		ent/Tut	AC's sign
2		Aug-21 Aug20	5	Accounts to the state of the st	1		CE5TCPIPW02D190 820L08	TCPIP_CE_PP T_02			Fourth Edition Behrouz a.		20-A		
		de COLON					CE5TCPIPW02D200 820L09	TCPIP_CE_PP T_02			Forouzan		Compe		
					T	utorial	CE5TCPIPW02D210 820L10				And of the second secon)	#####	#
Processor Marriage relativistics							CE5TCPIPW03D240 820L11							Tutoria	
							CE5TCPIPW03D250 820L12				distance of the state of the st	more management of the control of th		Management of the contract of	
	3	24 Aug-			11		CE5TCPIPW03D260 820L13)			CONTRACTOR OF THE CONTRACTOR O				
	J	Aug20		Consideration of the Constitution of the Const			CE5TCPIPW03D270 820L14	0					29		
							CE5TCPIPW03D28 820L15	0				And the second s	Aug	1 /	
							CE5TCPIPW03D29 820L16	0		Annual control of the Control of the		And the second s			
			Commission of the Commission o			Fragmentation	CE5TCPIPW04D31 820L16	0						Asa-	1901
			Trans. Transporter Commence May Com		Management Control of the Control of	, ARP	CE5TCPIPW04D02 920L17	20			TCPIP Protocol				
	4	31At 5Sep		5	I	, RARP.	CE5TCPIPW04D0 920L18	30			Suite Fourth Edition				
		эзер				IPV6 Address: Addressing, Packet Format, Charge of Long	CE5TCPIPW04D0 920L19	40		and the second	Behrouz a	1			
	Fac	culty i	n Cha	arge	2	Hopes		Dr. M	Millind Khanapur Principal arve Stree Shikshan ollage of Engineering! ingna, Nagpur-44118.		D	basement			

WEEK No.	l u	/eek	No. O Lect.	f Ur No	- 1	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Book - Chapter no. Page	link for quiz or poll	Completi on Date	Assignm ent/Tut orial Date	AC's sign
Otherwise membras apparatus				Process construction of the construction of th		Addressing Dacket	CE5TCPIPW04D050 920L20						B		5
		and a second distance of	and the second s		Т	ransition from IPV4 to IPV	CE5TCPIPW05D070 920L21						2		
		Commence of the second of the				ICMPv4,	CE5TCPIPW05D080 920L22						The state of the s		1
5		Sept- Sept20	5			ICMPv4,	CE5TCPIPW05D090 920L23						12	AND DESCRIPTION OF A PERSON OF	
	A Comment of the Party of the P		A CONTRACTOR OF THE PARTY OF TH	(III) BUILD CONTRACTOR		ICMPV6.	CE5TCPIPW05D100 920L24						5ep		
			And particular species of the particular species of	AND CONTRACT RESIDENCE AND CONTRACT OF	Ш	ICMPV6.	CE5TCPIPW05D110 920L25								
				And of the last of		Routing protocols	CE5TCPIPW06D140 920L26						Mary or an an annual and an annual and an annual and an an annual and an an an an an an an an an an an an an		
		14 Sept-	.19	approximate and a security and a sec		RIP	CE5TCPIPW06D150 920L27								A) <
	6	Sept 2		4		OSPF	CE5TCPIPW06D160 920L28								
				-		BGP	CE5TCPIPW06D170 920L29					nose our condetion results state at condeter to			
	7	21Sep 25Sept						Sessi	onal I						
						IP : Addressing,	CE5TCPIPW08D280 920L29					The state of the s			
						agents,phases	CE5TCPIPW08D290 920L30						728 0	4	
	8	28 Sept	t- 03	5	IV	problems in Mobile	IP CE5TCPIPW08D300 920L31) Inglish		ACES AND ASSESSMENT	Kind	mt		/	
, ,		ulty in			2		To the second se	Hingna, per-441118			Dr. Millind Kh	anapurkar			

<i> </i>	WEEK No.	Week	No. O Lect.		Init Io.	Exact Topic Name & Subtopic	Topic ID		PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Book - Chapter no. Page	link for quiz or poll	Completi on Date	Assignm ent/Tut orial Date	AC's sign
\vdash		OCT 20					CE5TCPIPW08D031 020L32							03		1
	вывынафычный фармантиза						CE5TCPIPW08D051 020L33							Joct	-	Value of the second sec
						IGMP	CE5TCPIPW09D051 020L34	7						1		\bigvee
	age and the second control of the second con	05 Oct-10				MOSPF,	CE5TCPIPW09D061 020L35		PPT		GD on implementati on of algorithm					
	9	Oct 20	5		IV	DVMRP and	CE5TCPIPW09D071 020L36								Assignm	
			And the second s			CBT	CE5TCPIPW09D081 020L37						The state of the s	>	ent 2	-
		property or other transcapes.	No. (SA) COSCOLUZIONES CONTROL				CE5TCPIPW09D091 020L38						Actions of the Control of the Contro	-	Tutoriai	
						UDP: Services Congestion control, Encapsulation & De-	CE5TCPIPW10D121 020L39 CE5TCPIPW10D131 020L40		PPT						A	
		12 Oc			v	Multicasting & De- multicasting,	CE5TCPIPW10D141 020L41							1ton Comble	to t	DC.
	10	17Oct :		5	V	TCP: Services, Features,	CE5TCPIPW10D141 020L42 CE5TCPIPW10D151							1100		
		es de monte de la companya de la com				Segment Format,	020L43 CE5TCPIPW10D161		PPT							
						TCP Connection State Transition Diagram	020L44 CE5TCPIPW11D191 020L45		Calle	and togine	нор	M		Kmlmd r. Miling Khanapurkar		
Ļ	Fac	ulty in	Char	ge					Mod Mod	Hingna, per-441111			Di Maharat Sunnia	r. Millind Khanapurkar Principal hi Karve Stree Shighan Saneth a College of Engineering for Wood Hingna, Nagpur-441118.	a's sen	

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Topic ID	PPt ID	Video ID	Activity/ Virtual lab link Teaching Aid	Book - Chapter no. Page	link for quiz or poll	Completi on Date	ent/Tut orial Date	C's sign
The second secon					CE5TCPIPW11D200 20L46							<u> </u>	
11	19 Oct-24 Oct 20	5			CE5TCPIPW11D211 020L47						24/0	-	
conquences of control conferences and process and				TCP timer's option, SCTP.	CE5TCPIPW11D221 020L48	> ppT					William And Annie and Anni		
Mary Continues				Socket concepts and Socket programming.	CE5TCPIPW11D231 020L49							The second secon	
-				DHCP,DNS	CE5TCPIPW12D261 020L50	· .						Assignm ent 3	/
			CALL COLOR C	TELNET, SSH, FTP,	CE5TCPIPW12D271 020L51				-		-		
		and the state of t		, TFTP, HTTP	CE5TCPIPW12D281 020L52	PPT					31-00		9)
12	26 Oct- Oct 20	1 7	V.	Electronic Mail: SMTP,	CE5TCPIPW12D291 020L53			The state of the s			20	entropiano se se se se se se se se se se se se se	
		(Question in comprehensives)		POP3, MIME	CE5TCPIPW12D301 020L54							- Andrews	
		disconnection of makes to a video coordinate part		IMAP.	CE5TCPIPW12D311 020L55					1			
	15					Sessi	onal II			k	anline		
	16					Hingher 44	IIIe la H			Dr. Mi	lind Khanapurkar Principal Investree Shikshan Sanetha's age of Engineering for Women gna, Nagpor-441118.		
						,		M	,.		A.c.		

HOD

Ac

Maharshi Karve Stree Shikshan Samstha's



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2019-20

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in











Planned

Date

print

16/12/19

23/12/19

30/12/19

06/1/20

13/1/20

27/1/20

3/2/2020

17/2/20-

24/2/20

2/3/2020-

9/3/20

16/3/2020-

23/3/2020-

Subject: Object Oriented Methodlogy

possible Variations used

Study about basic concepts C

Program using simple function

in main and class Employee and

Class Rectangle, Account class.

Program for Person and Book

constructer using default and

parameterized constructer.

Program for to print absolute

value and print different data

Program to overloading '+'

Operator to add two time object.

And to concatenate two strings

Program on different types of

Program to implement abstract

Program on different types of

Exception.

type values.

inheritance.

class Vehicle.

languges, ie variables,

functions.



Date: 16 /12 / 2019

CCOEW/CE / 19-20

Pi

print

1

3

4

5

6

7

8

Faculty Name: Prof. Vidva S Raut

Name of experiment

print

Write a simple C++ program to read and

display the information, by using simple

main function, and implement the same

by using the concept of class and object

Write a C++ program by using default

Write a C++ program using the concept

Write a C++ program using the concept

Write a C++ program using the concept

Write a C++ program to implement the

Write a C++ program to implement the

concept of Exception Handling.

and parameterized constructer.

of function overloading.

of operator overloading.

concept of Abstract class.

of inheritance...

Study the basic concept of Object

Oriented Programming language.

Lab Practicals Plan Sem. IV

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR Department: Computer Engineering Sem:4th CE for Batch B3 Batch B2 Batch B1 No. of Viva Planned Perform No. of Viva Planned Perform No. of Viva Perform Date AC's Remark done Date Date fill fill print print fill 16/12 19/12/19 26/12 20/12/19 26/12/19 27/12/19 30/12 2/1/2020 3/1/2020 9/1 10/4 9/1/20 10/1/2020-16/1/20 17/1/20 30/1/20 31/1/20-6/2/2020 7/2/2020-20/2/20 -21/2/20-27/2/20 28/2/20-5/3/2019-6/3/2020-

13/3/20

20/3/20

27/3/20

Nocper-441118 @

12/3/2019

19/3/2019

26/3/2019

college of Engineering for Worl



Control of the control of the state of the s



Principal

Maharshi Karve Stree Shikshan Sanetha's

Summins College of Engineering for Women
Hingna, Nappur-41118.

CCOEW/CE / 19-20

Date: 10 /12 / 2019

LESSON & TEACHING PLAN

				LLJJ	ON OUTEACHIN	AQ PENIA						
				CUMMINS COLLEG	E OF ENGINEERING	FOR WOMEN, NAGPUR					1	
Faculty	Name. Prof. Vio	dya S. Rau	1	Subject:Object Oriented Metho	odlogy	Department: Comp	outer Engineering	SEM :	4thSemCE(20	19-20)		
WEEK No.	Week	No. Of Lect.	Unit No.	Exact T opic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	AC's sign		
1	16/12/2019 to 21/12/2019	5		Course Objetive Introduction Object Oriented Development Object Oriented Themes. Object Modeling: Object & Classes Tutorial		Object -Oriented Modeling and Design By-James Rumbaugh,Michael Blaha,William Premerlani.	PPT 73/	16/12 17/12 20/12 8/182/11	Tuteur 23/12	7.	,	
2	23/12/2019 to 27/12/2019	4	1	Object Modeling: Link and Associations .Generalization And Inheritance, Grouping Constructs. A sample object module, Tutorial.	Activity 1.1:	Frederick Eddy, William lorensen . Ch No. 1,2,3,4 Pg No. 4, 15, 21,57	NPTEL	26/12	Pertaina	di	u	
3	30 12/2019 to 4 1/2020	6		Advanced Object Modling: Aggregation, Abstract Classes .Mmultiple Inheritance Metadata, Candidate keys, Constriants. Tutorial	Activity 1.2		NPTEL PPT	27,27 27/12 3930/12	Tutan		aled	extea
4	6/1/2020 to 10/1/2020	5		Dynamic modeling: Events & states Nested state diagrams Concurrency. Tutorial		Object -Oriented Modeling and Design By-James Rumbaugh,Michael	https://www.tutorialspoint.co m/object_oriented_analysis_ design/ooad_dynamic_model	3/12	Turbu	Juita	4	
5	13/1/2020 to 16/1/2020	3	2	Advanced Dynami Modeling Concepts Sample Dynamic Module Functional models, Data Flow Diagrams Specufying operation Constriants A sample functional module Tutorial	Activity 2.1 : Activity 2.2 :	Blaha, William Premerlani, Frederick Eddy, William Iorensen . Ch No. 5,6 Pg	iné https://www.tutorialspoint.c om/object oriented analysis design/ocad uml analysis model.htm and PPT	6/4 7/1 8/1 9/1 16/1 16/1	Assignation Tutora			
			1	L		College of English Hingma,		Kr. Dr. Milino	Khanapurkar	-)		

WEEK No.	Week	No. Of Lect.	Unit N o.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	AC's sign
1	20/1/2020	16 24/17	2020		An	anya Cultural Program				
8	27/1/2020 to 1/2/2020	6		Design methodology Overview of Analysis, Problem Statements, TM network. Object Modeling Various Phases	Activity 3.1 :	Object -Oriented Modeling and Design By-James Rumbaugh,Michael Blaha,William Premerlani,	РРТ	30, 31 39, 30 31, 38		7
9	3/2/2020 to 7/2/2020	5	3	Dynamic modeling, Various Phases Adding Operation, Refining the object model Tutorial, Tutorial	Activity 3.2:	Frederick Eddy, William lorensen Ch No. 8 Pg No.148	PPT	1/2. 3/2. 4/2,42	Tuban 412	guly
10	10/02/2	20-14/02	2/20			Sessional I	OFF FOR THE SECRETARY AND ADMINISTRATION OF THE SECRETARY AND ADMI			
11	17/2/2020 t 20/2/2020	1 4	4	System design Overview systems Design.Allocating Subsystems Management of Data Stores.Choosing Software Control Implementation Handling Boundary Conditions. Setting Trade-Offs Priorites	Activity 4.1:	Object -Oriented Modeling and Design By-James Rumbaugh,Michael Blaha,William Premerlani, Frederick Eddy, William lorensen . Ch No. 9 Pg No.198	System design PDF	5/2. 6/2. 24/2		Zjúly
12	24/2/2020 1 29/2/2020			Common Architectural Framework Tutorial	Activity 4.2:			25/2		
13	2/3/2020 to 7/3/2020	6	5	Object Design: Overview Designing Algorithms Design Optimization Implementation of Control Adjustment of Inheritance. Tutorial	Activity 5.1: Activity 5.2:	Object -Oriented Modeling and Design By-James Rumbaugh,Michael Blaha,William Premerlani, Frederick Eddy, William lorensen . Ch No. 10 Pg No. 227	РРТ	29/2 2/3 3/3 3/3 4/3		
14	9/3/2020 to 13/3/2020			Design of Associations Object Representations Physical Packaging Documenting Design Decisions Tutorial			PPT	413 413 513 613		



Dr. Millind Khanapurkar Princ(pal Mahashi Karvi Stres Shikahan Saneha's "unnina Celliga of Engineering for Women Mingna, Nagpor-44118.

Faculty in Charge

July Ac

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	AC's sign
15	16/3/2020 to 21/3/2020	6	6	Comparison of methodologics Information Modeling Notations Implementation using Programming Languages Implementation using Database Systems Object Oriented Reusability Extensibility Robustness Tutorial	Activity 6.1: Activity 6.2:	Object -Oriented Modeling and Design By-James Rumbaugh, Michael Blaha, William Premerlani, Frederick Eddy, William Iorensen. Ch No. 12 Pg No.266	РРТ	1/2, 9/3 12/3		
16	23/3/2020 to 26/3/2020	4-Jan		Practice and Preparation on university Question Paper					The state of the s	
15	04/04/2	0- 09/04	/20			Sessional II				

Hingra, Hogper-441118

Dr. Milind Khanapurkar Principal Mahashi Karvi Stree Shashan Sanetha's Curaise College of Expinency for Women Kopen, Nappor-44111.

Jonan

Miles

Lab Practicals Plan CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR Department of Computer Engineering (Sec

(Session 2019-2020)

Facu	lty Name: Prasanna Lohe			Fourth s	em		
SN	Name of Experiment	Batcl	n # 1	Bato	h # 2	Bate	ch # 3
SIN	Name of Experiment	Planned Date	Perform Date	Planned Date	Perform Date	Planned Date	Perform Date
1	Study of working of various storage media.	16/12	23/12	20/12	27/12	19/12	26/12
2	Study of COBOL coding sheet.	23/12	30/12	27/12	03/01	2812	02/01
3	Write a program to demonstrate the use of	30/12		03/01		02/01	
4	Write a menu driven program to accept two numbers from keyboard and	00184		70107		69/01	
5	Write a program to demonstrate STRING and	13/01		17101		16/01	
6	Write a program to single and multidimensional	20/01		24/01		28 0	
7	Write a program to demonstrate various conditions in COBOL.	27/01		31101		30/01	
8	Write a program to demonstrate various table sorting methods.	03/02		07102		06/02	

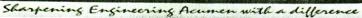
Subject Teacher

Mingra, Magna, M

Dr. Millind Khanapurkar Principal Maharsh Kirra Sirka Silkahan Sanethi's Turnilas Cellege of Engineering for Women Koman Nappurkation



Mal (shi Karve Stree Shikshan Samstha's) CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





Date: 14/12/2019

CCOEW/CE/ 19-20

LESSON & TEACHING PLAN

aculty 1	Name: Prof. Pra	sanna Loh	e			Subject: FSDP		EVEN SE	M (2019-20)	Sem:- 4th
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	16 DEC TO 21 DEC	5	1	Introduction: File structure design, File processing operations :open, close, read, write, seek.	Grp Discussion/Google Serach/ You tube Videos/Assignments	Michael J.Folk, Bill Zoellick, Greg Riccard :File Structures : An Object-Oriented Approach using C++. (Addison- Wesley) (LPE)	Chalk and Board/PPT/Videos	20/12/19		}
2	23 DEC TO 2" DEC	5	1	Unix directory structure.Secondary storage devices: disks, tapes, CD-ROM. Buffer management. I/O in Unix.	Assignment/ Problem Solving practice	Michael J.Folk, Bill Zoellick, Greg Riccard :File Structures : An Object-Oriented Approach using C++. (Addison-Wesley) (LPE)	Chalk and Board/PPT/Videos/Li ve Execution	31/12/19		July
3	30 DEC TO 0 JAN	5	2	File Structure Concepts: Field & record organization, Using classes to manipulate buffers, Record access, Recordstructures, file access & file organization,	Presentation/ grp Discussion/Live examples	Michael J.Folk, Bill Zoellick, Greg Riccard :File Structures : An Object-Oriented Approach using C++. (Addison-Wesley) (LPE)	Chalk and Board/PPT/Videos	olitolla		
4	06 JAN TO 1 JAN	5	2	Abstract data models for file access. Metadata. Extensibility, Portability & standardization.	Presentation/ grp Discussion/Live examples	Michael J.Folk, Bill Zoellick, Greg Riccard :File Structures : An	Chalk and Board/PPT/Videos	54/6/1/20		\rangle
5	13 JAN TO 1' JAN	5	3	Data Compression, Reclaiming spaces in files, Introduction to internal sorting and Binary searching.	Videos/Assignmment/Proble m Solving Practice	Object-Oriented Approach using C++. (Addison-Wesley) (LPE)	Chalk and Board/PPT/Videos	Mol		Li ki
6	27 JAN TO 01 FEB	5	3	Keysorting.Indexing concepts. Object I/O.	Gooogle Search data collection/ Aniamted Videos/Assignments	Michael J.Folk, Bill Zoellick, Greg Riccard :File Structures : An Object-Oriented Approach using C++: (Addison-Wesley) (LPE)	Chalk and Board/PPT/Videos/Li ve Execution	31/61		

Faculty in Charge

Dr. Millind Khanapurkar Principal Maharsh Karis Stres Shishan Sanetha's 'unmiss College of Engineering for Mose Ninga, Nappur-41118.



WEI K No		No. Of Lect.	Unit No.	Exact Topic Name & Subtopic .	Activity/ Teaching Aid	Refrenc ok - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
7						Sessional I				
8	03 FEB TO 07 FEB	6	3	Multiple keys indexing. Inverted lists, Selective indexes, Binding.	Gooogle Search data collection/ Aniamted Videos/Assignments	Michael J.Folk, Bill Zoellick, Greg Riccard :File Structures : An Object-Oriented Approach using C++. (Addison-Wesley) (LPE)	Chalk and Board/PPT/Videos/L ve Execution	i		
9	17 FEB TO 21 FEB	5	4	Cosequential processing : Object-Oriented model, its application. Internal sorting: a second look.	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Michael J.Folk, Bill Zoellick, Greg Riccard :File Structures : An Object-Oriented Approach using C++. (Addison-		i		
10	24 FEB TO 29 FEB	4	4	File Merging :Sorting of large files on disks. Sorting files on tapes. Sort merge packages. Sorting and Cosequential processing in UNIX	Live Example/Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Michael J.Folk, Bill Zoellick, Greg Riccard :File Structures : An Object-Oriented Approach using C++. (Addison- Wesley) (LPE)	Chalk and Board/PPT/Videos/Li ve Execution			
11	02 MAR TO 07 MAR	6	5	Multilevel indexing: Indexing using Binary Search trees. OOP based B-trees. B-tree methods Search, Insert and others. Deletion, merging & redistribution	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Michael J.Folk, Bill Zoellick, Greg Riccard :File Structures : An Object-Oriented Approach	Chalk and Board/PPT/Videos/Li ve Execution			
12	09 MAR TO 1 MAR	5	5	B*trees. Virtual B-trees. VL records & keys. Indexed sequential file access and Prefix B+trees.	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll	Michael J.Folk, Bill Zoellick, Greg Riccard :File Structures : An Object-Oriented Approach	Chalk and Board/PPT/Videos/Li ve Execution			
1.	16 MAR TO 2 MAR	5	6	Hashing: Introduction, a simple hashing algorithm. Hashing functions and record distributions. Collision resolution.	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll	Michael J.Folk, Bill Zoellick, Greg Riccard :File Structures : An	Chalk and Board/PPT/Videos/Li ve Execution			
1.	23 MAR TO 2 MAR	5	6	Buckets. Making deletions. Pattern of record access. External hashing.	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Object-Oriented Approach using C++. (Addison- Wesley) (LPE)	Chalk and Board/PPT/Videos/Li ve Execution			
15	30 MAR TO 3 MARCH	5	6	Implementation. Deletion. Performance.Alternative approaches.	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Michael J.Folk, Bill Zoellick, Greg Riccard :File Structures : An Object-Oriented Approach using C++. (Addison-	Chalk and Board/PPT/Videos/Li ve Execution			
16	;				Session	nal II	•			

Faculty in Charge









Maharsh Karve Stree Shikshan Samst 1's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE / 19-20

Date: 09 / 12 / 2019

LESSON & TEACHING PLAN for NUMERICAL COMPUTATION TECHNIQUES

				D	epartment of Computer Engir	eering				
aculty !	Name:Asst. Pr	rof. Pratil	Heat					Year :	2019-20	Sem:- IV th
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	AC's sign
			9		Skill Development (9 Dec to 13 De	c)				16.
				Problem solving & computers		00000000000000000000000000000000000000	LCD ,Projector and			10 mg 10 mg 19 mg
				Numerical methods for roots of equations			chalk board, ppt on			}
2	16/12/19- 21/12/19	6	1	polynomial			componenets of system software by	18/12		Shilley
	,,			Machine Structure			john donvan		-	1 July
				transcendental						10
				quadratic equations					-	
3	23/12/19-			Bisection Method		Numerical Methods by	LCD ,Projector and chalk board ,ppt on	20/12	-	7
3	27/12/19	6	1	Newton Raphson method		Dr.P.kandaswamy(Page no 53-97)	assesmblers by john donvan	2011	_	Shirten
				False position method						10-
				Solution of Simultaneous Equations		1				
4	30/12/19- 4/1/20	6	2	Gauss Elimination				27/12		Livey
			6	Gauss Seidal						1001

Faculty in Charge



Dr. Millind Khanapurkar Principal Mahash Karve Stree Shikshan Sanetha' Tunnins College of Expinenting for Woose

HOD

EEK lo.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Sucropic	Activity/ Teaching Aid	Refree Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	AC's sign
5	06/1/20- 10/1/20	5	2	Gauss- Jordan Methods Matrix methods Inversion Interpolation Linear & polynomial		Numerical	LCD ,Projector and chalk board and	01/01	Date	- Juiler
6	13/1/20- 17/1/20		3	Numerical differentiation by polynomial fit Numerical integration by Trapezoidal Rule		Methods by Dr.P.kandaswamy(Page no 505-516)	animated video of shaun micheal stone on memory	03/02	7	
					nanaya Festival (20 Jan-24 .					
7	27/1/20- 1/2/20	5	3	Simpson Rule Gaussion Quadratre.		Numerical Methods by Dr.P.kandaswamy(Page no 300-318)		03/2r		
				Sampling frequency distribution			LCD ,Projector and chalk board and PPTs			
8	3/2/20- 7/2/20	5	4	measures of central tendency,		Numerical Methods by Dr.P.kandaswamy(Page no 202-223)	on compiler by john donvan			
				dispersion moments		. 350 110 202-223)				
								1		



Dr. Milind Khanapurkar Principal Mahash Karup Salahan Sasehiri Lunaka Galakar I Enghashan Sasehiri Lunaka Galakar I Enghashan Jangan Manga Nappur44118.

Faculty in Charge

HOD

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	· Activity/ Teaching Aid	Refre Book - Chapter no. Page no,edition. No	· ICT tools	Completion Date	Assignment/ Tutorial Date	AC's sign
10	17/2/20- 21/2/20	5	4	Discrete probability distributions			LCD ,Projector and chalk board and PPTs on compiler by john			
	11,1,10			Probability Various types of distributions	_		donvan			
				Regression		1				
11	24/2/20- 29/2/20	6	5	Linear LS fit, Nonlinear fit						
				Polynomial function			LCD ,Projector and chalk board and PPTs			
				Correlation			on device driver by john donvan			
12	2/3/20-	6	5	Coefficient Properties of correlation coefficient.	_	Advanced Engineering	joini donvan			
	7/3/20			Multiple Partial and Rank correlation		Mathematics s.chand ublication by H.Kdass				
13	9/3/20- 13/3/20	5	6	Test of significance: Introduction						
14	23/3/20- 31/3/20	5	6	The 2-test. The t-test, the F-test .		Advanced Engineering Mathematics s.chand ublication by H.Kdass	LCD ,Projector and computer system			
16		•		,	Sessional -2 (4 Apr-9 A	pr)				











Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE / 19-20

Date: 13 / 12 / 2019

LESSON & TEACHING PLAN

				CUMMINS COLLEGE O	F ENGINEERING	G FOR WOMEN,	NAGPUR			
Faculty	Name: Pro	of. Sneha	Uttarwa	г		Subject: DMGT		SEM IV C	E (2019-20)	Sem:- EVEN
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOTO's sign
1	16 Dec - 21 Dec	5		Propositions and Logical Operations, Quantifiers, Conditional Statements and Tautologie	Form a question bank on this topic		PPT and vedio for application	18/12/19		
2	23 Dec - 27 Dec	4	1	Basic concepts of set theory, Operations on Sets, The power set	search about application of set theory in CE through internet		PPT with diagram	23/12/19		1. 22.4
3	30 Dec - 4 Jan	6		Properties of Relations, Equivalence Relations & Partitions	Solving example		Using PPT	Tutoned -I 4/01/20		Jahry
4	6 Jan-10 Jan	5	п	Compatible Relation, Manipulation of Relations, Composition of Relations, Transitive Closure of a relation, Partial order relation, Partially ordered set	Solving example		Using PPT	Fator 1 9 0 1 20		





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
	13 Jan- 16 Jan	4	II	Relations and Digraphs,Matrix of Relation, Paths in Relations and Digraphs	Solving example		Using PPT	1510120		fine
		E		Ananya Cultura	l Festival 2020	(20-26th Janua	ry)			
6	27 Jan - 1 Feb	6		Hasse Diagrams, Definition, Composition of functions, Types of Functions, Invertible Function, Permutation Function, Characteristics function of a set with Theorems	Solving example		Using PPT	Tutonal - 11 30 01 20		July
				Generating Functions, Recurrence Relations, Counting: Permutations	Dividing		Using PPT	Tutorial		
7	3 Feb - 7 Feb	5	VI	9	students into group and Solving different example		Using PPT	7102/20		
1	计是			SESSION	VAL - I (10 Fel	b - 15 Feb)	The same			
8	17 Feb - 22 Feb	6	v	Basic concepts of Graph Theory, Digraphs, Basic definitions, Paths and Circuits, Reachability and Connectedness Subgraphs & Quotient Graphs,	Solving example		Using PPT			





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
0 1	24 Feb - 29 Feb	6	v	Isomorphic digraphs & Transitive Closure, digraph, Euler's Path & Circuit (only definitions and examples,	Dividing students into group and Solving different example		Using PPT	29/02		
10	2 March - 7 March	6	V	Trees, Binary Tree, Labeled Trees, Undirected Trees, Spanning Trees of Connected Relations,Prim's Algorithm to construct Spanning	Solving example		Using PPT	9/03	66/03 Tutordy	
11	9 March 13 March	5	III	Binary Operations, Properties, Semigroups, Monoids, SubsemigroupSubmonoid, Isomorphism & Homomorphism Groups (only definitions and examples)	Solving example		Using PPT	16/03	1243	
12	16 - 21 March	6	IV	Rings, Fields, Integral Domain, , Ring Homomorphism (definitions & examples), Lattices: Properties, Types of Lattices, Sub lattices, Isomorphic Lattices, Complemented & Modular Lattices (definitions &	Dividing students into group and Solving different example		Using PPT	21/03	18/03 Tutorial	
13	23 -27 March	5		Boolean Algebra: Definition, Properties,Simplification of Switching Circuits	Seminar Revision		Using PPT	27/02		
	1 April - 8 April				Park and the second sec	onal II		Kindend		
					Hingna, Hopper-441118			Dr. Millind Khanapurkar Principal sh Karva Stree Shishan Sanetha's ins College of Engineering for Worken Hingsa, Naggor 441118.		



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE /19-20

Date: 10 / 12 / 2019

LESSON & TEACHING PLAN for MICROPROCESSOR

					Department of Computer	Engineering				
aculty	Name: Pro			ardhan Kharpate	Sub: Microprocessor			Session	(2018-19)	Sem:- Fourth
WEEK No.	Week	No. Of Lect	t	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOT's sign
1	16/12/19- 21/12/19	6		8086 architecture and pin configuration, Software model of 8086 microprocessor	Comparative study	Advance Microprocessors	PPT of Architecture and Pin diagram, Black board and chalk	21/12/2019		Z-feike
2	23/12/19- 27/12/19	4	I	Memory addresses space and data organization. Data types. Segment registers, memory segmentation	Fetch-Decode-Execute	and Peripherals by K M Burchundi. Pg No : 01-38	Animated PPTon address generation,Progra m structureVideo	orlorhad		
3	30/12/19- 4/1/20	6		IP & Data registers, Pointer, Index registers. Memory addresses generation. 8086 Instruction set overview, addressing modes.8086 instruction formats.	Problems on address generation,Passing the ball/Taking the command	Advance Microprocessors and Peripherals by K M Burchundi. Pg No : 35-77		07/01/2020	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
4	6/1/20- 10/1/20	5	п	8086 programming: Integer instructions and computations: Data transfer instructions.	Programming	8086 Microprocessors by Walter Triebel, Avtar Singh. Pg No. 137	Blackboard & Chalk ,PPT	14/01/2020		July
5 Facu	13/1/19- 18/1/19	6	7.0	Arithmetic instructions and their use in 8086 programming. Programs.	Programming	8086 Microprocessors by Walter Triebel, Avtar Singh,	Blackboard & Chalk ,PPT	27/01/2020	D	Kadind Miling hangurar

WEEK No.	Week	No. Of Lect	t	Exact Topic Name & Subtopic	Activity/ .eaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Co. etion Date	Assignment/T utorial Date	HOT's sign
6	20/1/19- 24/1/19	5			An	anya 2k20				
7	27/1/20- 1/2/20	6	menteralan de de la companie de la companie de la companie de desperante de la companie de la companie de despe	8086 programming: logical instructions. Shift and rotate instructions and their use in 8086 programming, 8086 flag register and Flag control instructions	Programming/Understanding shift and rotate through student's register activity	8086 Microprocessors by Walter Triebel, Avtar Singh. Pg No. 179	Chalk PPT	06/02/2020	O comment	July
8	3/2/20- 7/2/20	5		compare instruction, control flow and jump instructions, Loops & loop handling instructions, 8086 programming using these instructions.		8086 Microprocessors by Walter Triebel, Avtar Singh. Pg No. 200	Blackboard & Chalk ,PPT			,
9	10/2/20- 14/2/20	6		,	\$	Sessional I				

VEEK	Week	No. Of Lect	Uni t No.	Exact Topic Name & Subtopic	Activity/ . Ching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Com ion Date	Assignment/T utorial Date	HOT's sign
10	15/2/20- 21/2/20	5	IV	The 8086 stack segment and stack related instructions. 8086 I/O Address space. Subroutines and related instructions, Parameter passing, Concept of Macros	1.Make students Group and give them one object(pen,pencil etc) & student will write test plan, test cases, & different paths.	8086 Microprocessors by Walter Triebel, Avtar Singh. Pg No. 229	Blackboard & Chalk ,PPT,NPTEL Lecture			
11	24/2/20- 29/2/20	6		Status saving on stack. Concept of recursion at assembly program level. 8086 Programming using subroutines, recursion and macros.	Write simple c program &test their basic paths 2. stress testing by thread & rubberband	8086 Microprocessors by Walter Tricbel, Avtar Singh. Pg No. 297	Blackboard & Chalk ,PPT,NPTEL Lecture			
12	2/3/20- 7/3/20	gravitation of contract and con		8086 I/O: Types of input output, isolated I/O interface, input output data transfers, I/O instructions and bus cycles.	Students play game that they find minum price (with quality+ duration+no. of people) of objects and make decision accordingly	Advance Microprocessors and Peripherals by K M Burchundi. Pg No : 149	PPT,NPTEL Vedios, Bharatacharya education video			
13	9/3/20- 13/3/20	4		Programmable Peripheral Interface 8255 PPI: pin diagram, internal organization, modes of operation. 8086 I/O programming using 8255.	Mini project group tell the scop of their project. 2. Calculate cost of object with COCOMO model & numerical 3. distribution game	8086 Microprocessors by Walter Triebel, Avtar Singh. Pg No. 530	PPT,NPTEL Vedios, Bharatacharya education video			
14	16/3/20- 21/3/20			8086 Interrupts types, priority and instructions. Interrupt vector table, External hardware-interrup interface signals & interrupts sequence. Software interrupts. Non-maskable interrupts.	1 How they avoid risk in their	8086 Microprocessors	PPT,NPTEL Vedios, Bharatacharya education video			
15	23/3/20- 31/3/20	6		Programmable Interrupt Controller 8259: pin diagram, internal organization, modes of operation. 8086 Interrupt-driven programming using 8259.	Explain any feedback form and reveiews(quality). 2. one student act as SCM coordinator & others are developers.	by Walter Triebel, Avtar Singh. Pg No. 545	PPT,NPTEL Vedios, Bharatacharya education video			المستلندوا
E76	4/4/20- lty/400C	Q	- A	J,	Sessio	onal II	Hingra, B	ful		Dr. Millind Khanapurki Principal Maharsh Karve Stree Shrikshan St. Tumnins College of Engineering for Hingna, Nappor-441118.







Lab Practicals Plan Sem. VI

	CUMMINS	COLLEGE O	F ENGINE	ERIN	G FOR WOM	1EN, NA	GPUF	1			
aculty I	Name: Prof. Suruchi Kitey				Subject: SEPI	М	for	r Department: Computer Engi			ineering
		Ba	tch B1		Bat	ch B2		E	Batch B3		
Pi	Name of experiment	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoT's Remark
P1	Introduction to rational rose software.	24-Dec-19	24/12		1-Jan-20	1/1/20	Citizen Company	19-Dec-19	26/12/19	Window Annual Law Street	3 Julia
P2	To perform user's view analysis: Use case diagram	31-Dec-19	31/12		8-Jan-20	811/20		26-Dec-19	2/01/20		(Just
P3(A)	To draw structural view diagram: Class diagram,object diagram	7-Jan-20	28/1/20		15-Jan-20	5/2/20		2-Jan-20	9/1/20	The second secon	
(B)	To draw structural view diagram: Class diagram,object diagram using	1/14/2020	28/1/20	The second second	29-Jan-20	5/2/20		9-Jan-20	6 2 2 20		
P4	To draw the behavioral view diagram: Sequence diagram	1/28/2020	4/2/20	The state of the s	5-Feb-20			16-Jan-20			
P5	To draw the behavioral view diagram: Collaboration diagram	2/4/2020			19-Feb-20			30-Jan-20			
P6	To draw the behavioral view diagram: State chart diagram	18-Feb-20			26-Feb-20			6-Feb-20			
P7	To draw the behavioral view diagram: Activity diagram	25-Feb-20			4-Mar-20			20-Feb-20			
Р8	To draw implementation view diagram: Component diagram	3-Mar-20	A COMPANY		11-Mar-20			27-Feb-20			
Р9	To draw enviromental view diagram: Deployment diagram	17-Mar-20			18-Mar-20			5-Mar-20			



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference

Date: 10 / 12 / 2019

CCOEW/CE /19-20

LESSON & TEACHING PLAN for SEDM

					LESSON & TEACHING PI		l			
					Department of Compute	r Engineering				
Faculty	Name: Pro	f. Sur	uchi	Kitey				Session	: (2018-19)	Sem:- Sixth
WEEK No.	Week	No. Of Lect	Uni t No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOT's sign
1	16/12/19- 21/12/19	6		Introduction, CO Discussion evolving role of software software characteristics software myths software process	1.1	"Pressman R., ""Software Engineering, A Practitioners Approach"", Tata MCGraw Hill	PPT ON	16 12 19 18 12 19 19 12 19 19 12 19 20 12 19) Arishey
2	23/12/19- 27/12/19	4	I	software engineering software development phases waterfall model,RAD model prototype model incremental model spiral model,WINWIN spiral model	1 · 2- 1. Comparitive study of all models 2. drawing competion of digram(all models)	NtGraw Hill Publication pg 34.36,45,53,54,71.7 9,80.81,83,86,88,10 6,110"		20 12 19 23 12 19 23 12 19 24 12 19 26 12 19)
3	30/12/19- 4/1/20	de la companya de la		concurrent,agile process extreme programming System Engineering: Hierarchy Business Process and Product Engineering: Overview Requirements Engineering	1.Distribute chits(story) of paper having some numbers and theory, students have to decide which chits are combine together & process 1st and also tell the feedback of story 1.3 combination.	Pressman R., "Software Engineering, A Practitioners Approach", Tata MCGraw Hill	system, busing exs	30112117	A-1 4 1 20	July

NO.	Week	Of Lect	t No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Paga no,edition. No		Completion Date	Assignment/T utorial Date	HOT's sig
4	6/1/20-10/1/20	5	п	Initiating the process, Eliciting Requirements Building the Requirements Model Negotiating, Validatingrequirements requirements Requirements Analysis	Make a group of Students(5 in each) one group gather requirement from other group and from that requirement they analyze, negotitate & validate requirement and make requirement table (ex. Requirement of technical committee, decoration et in anannya)	2	3	6/1/20 08/1/20 8/1/20 9/1/20 10/1/20		Juita
5	13/1/19- 18/1/19	6		Scenario-Based Analysis Requirements Modeling strategies Flow-Oriented Modeling Class based modeling SRS	From above activity students draw the all types of modeling diagrams	е		15/1/20 16/1/20 27/1/20		
6	20/1/19- 24/1/19	5			Ar	ıanya 2k20		28/1/20	and the second s	
7	27/1/20- 1/2/20	6	III	Design Process Design Principles, and Concepts Effective Modular design The Design Model: Data.Architectural,Interface design Architectural Design: Software Architecture	Give them analysis of any problem statement and prepare the design model(total stackholders,output benefited etc)	Pressman R., "Software Engineering, A Practitioners Approach", Tata	PPT on Interface design	3 1 20 03 2 20 03 2 20 04 2 20		
8	3/2/20- 7/2/20	5		Architectural Styles & Design Interface Design: Rules User Interface Analysis and Design Applying Interface Design Steps Component- level Design		MCGraw Hill Publication pg 261,265,274,291,29 8,357,361,373,324		6/2/201	1-II 2/20	w ley
9	10/2/20- 14/2/20	6			Se	ssional I				





Dr. Millind Khanapurkar Principal Maharth Kariv Stre Shrahan Savetha's Lunias College of Exphrencing for Women Kinga, Nagpor-44118.

HOD

NEEK No.	Week	No. Of Lect	Uni t No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOT's sign
10	15/2/20- 21/2/20	5	IV	Testing Tactics: Testing Fundamentals Control Structure Testing Black Box Testing. A Strategic approach and Strategic Issues of testing	1.Make students Group and give them one object(pen,pencil etc) & student will write test plan, test cases, & different paths.	Pressman R., "Software Engineering, A Practitioners Approach", Tata				
11	24/2/20- 29/2/20	6		White Box Testing: Basis Path TestingUnit Testing Integration Testing Validation Testing, Debugging	Write simple c program &test their basic paths 2. stress testing by thread & rubberband	MCGraw Hill Publication pg 393,394,397,406,41 1,421				
12	2/3/20- 7/3/20	6		Management Spectrum: 4 P's Critical practices Metrics in process and project domains software measurement, metrics for software quality,	Students play game that they find minum price (with quality+ duration+no. of people) of objects and make decision accordingly	Pressman R., "Software Engineering, A Practitioners				
13	3 9/3/20 13/3/2		4	V project planning objectives software scope and feasibility Decomposition Techniques Empirical Estimation Models Specialized Estimation tech Make by decision	Mini project group tell the scop of their project. 2. Calculate cost of object with COCOMO model & numerical 3. distribution game	Approach", Tata MCGraw Hill Publication pg 629,644,650,661,67 7,696,698				
1	4 16/3/2 21/3/2		6	Reactive versus Proactive S/w Risk Risk Identification, projection refinement RMMM, Task set for software project defining a task network scheduling,	1.How they avoid risk in their problem statement 2.Students have to					







Faculty in Charge

WEEK No.	Week	No. Of Lect	t	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOT's sign
15	23/3/20-31/3/20	6	VI	earned value analysis Software Quality Factors SQA Activities Software reviews Software reliability,FTR software configuration management the SCM Repository SCM process	Explain any feedback form and reveiews(quality). 2. one student act as SCM coordinator & others are developers.	MCGraw Hill Publication pg 727,737,737- 740,716,722,749,75 1,762,772,780	https://www.yout ube.com/watch?v =AaHaLjuzUm8			
16	4/4/20- 9/4/20	1		•	Sessi	onal II				



Dr. Millind Khanapurkar Principal Mahash Kare Stra Shishan Saeshi's Ivenias College of Engineering for Mossen Mogra, Nappor 44118.

Faculty in Charge

HOD

	CUM	MINS COLLEGE C	F ENGINE	ERING FOR	R WOME	N, NAGPU	R		
Faculty N	ame: Prof. Pratik Hepat		Subject: DAA	Practical		for	Departm Comuter		
				Batch B1			Batch B3		
P.no	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remark
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill
1	Write a program to implement bubble sort, selection sort, Heap sort.	-	17-12-19			18-12-19			
2	Write A program to implement binary search algorithm		24-12-19			01-01-20			
3	Write a program to MST using prim's algorithm		31-12-19			08-01-20			
4	Write a program to MST using krushkal's algorithm.		07-01-20			15-01-20			
5	Write a program to implement SSSP Dijikstra's algorithm.	1	14-01-20			28-01-20			

Principal

Principal

Maharshi Karve Stree Shikshan Sanetha's

Tunneles College of Engineering for Women
Hingna, Nagpor-41118.

Faculty in charge

		4			40		- Si
6	Write a program to implement travelling salesman problem		27-01-20		05-02-20		
	Write a program to implement N-Queen's problem	,	04-02-20		12-02-20		
	Write a program to implement DFS on connected graph.		11-02-20		26-02-20		
9	Write a program to implement BFS on connected graph.		18-02-20		04-03-20		





Faculty in charge

HoD



Maharsh Karve Stree Shikshan Samst h's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE / 19-20

Date: 09 / 12 / 2019

LESSON & TEACHING PLAN for Design and Analysis of Algorithm

				Depa	artment of Computer Engin	eering				
Faculty N	Name: Prof. P	ratik Hep	at					Year :	2019-20	Sem:- VI th
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	AC's sign
					Skill Development (9 Dec to 13 De	c) • •		Liens I		
				Asymptotic notations of analysis of algo.			LCD ,Projector and	I	I	aber 1
				worst case and average case analysis			chalk board, ppt on		F)
2	16/12/19- 21/12/19	6	2	amortized analysis			componenets of system software by	20/12	+	Speity
				sorting algorithms			john donvan		-	(
				selection sort, insertion sort, bubble sort					\vdash	
				heap sort					-	
				External Sorting			LCD ,Projector and			
				lower bound proof		Advance in	chalk board ,ppt on	112)
3	23/12/19- 27/12/19	6	2	elementary and advanced data structures with operations on them and their time complexity		Alogorithm by corman Ch 02 pg no 2-24, Ch 02 pg no 35-40, Ch 03 pg no. 60-77	assesmblers by john donvan	24/12	(July
				space complexity					-	
				Greedy method – Basic strategy				offor	-	
	30/12/19-			application to job sequencing with deadlines problem					-	
4	4/1/20	5	3	minimum cost spanning trees					\forall	
		- 1		single source shortest path.						
Facul	y in Char	-	Ī	prims and krushkal algo		flury			-	

WEE	· /	No.	of Un			Refren 3ook -	一个一个人的	1 PE	ssignment/	
No.		Lect			Activity/ Teaching Aid	Chapter no. Page no,edition. No	· ICT tools	Completion Date	Tutorial Date	AC's sign
	/			Divide and conquer Basic strategy						
_	06/1/20-	_	_	binary search	e.			1	\	
5	10/1/20	5	3	Quick sort						
- 1		- 1		Merge sort		Advance in	LCD ,Projector and			
				Fast Fourier Transform		Alogorithm by	chalk board and			
				Dynamic Programming - Basic strategy		corman Ch 02 pg no 2-24, Ch 02 pg				
	12/1/20- 18/1/20	6	4	multistage graphs		no 35-40, Ch 03 pg no. 60-77	on memory management			
				all pair shortest path	,					
				Ar	nanaya Festival (20 Jan-24 Ja	an)				
						Advance in				
7	27/1/20-	_		single source shortest paths		Alogorithm by				
'	1/2/20	5	4	optimal binary search trees		corman Ch 02 pg				
				traveling salesman problem.		no 2-24, Ch 02 pg				
				Basic Traversal and Search Techniques		no 35-40, Ch 03	LCD ,Projector and			
				breadth first search		Advance in	chalk board and PPTs			
8	3/2/20- 7/2/20	6	5	connected components		Alogorithm by corman Ch 02 pg	on compiler by john donvan			
				Backtracking basic strategy		no 2-24, Ch 02 pg no 35-40, Ch 03 pg no. 60-77				
					Sessional -1 (10 Feb-15 feb)					



Dr. Millind Khanapurkar Principal Mahach Kirre Stres Shikhan Sanetha's Tuminis College of Expreering for Modern Woops, Nappu-441119

Faculty in Charge

HOD

/ M	a. Week	Lex		Exact Topic Name & Sus-Opic	Activity/ Teaching Aid	Refree Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	AC's sign
10	17/2/20- 21/2/20	6	5	8 - Queen's problem Graph coloring		Advance in Alogorithm by	LCD ,Projector and chalk board and PPTs on compiler by john		Date	
11	24/2/20- 29/2/20	5	6	Hamiltonian cycles. NP-hard and NP -complete problems		corman Ch 02 pg no 2-24, Ch 02 pg no 35-40, Ch 03 pg no. 60-77	donvan			
				non deterministic algorithms NP-hard and NP complete		FB 1101 00 77				
12	2/3/20- 7/3/20	6	6	Cook's Theorem decision and optimization problems			LCD ,Projector and chalk board and PPTs on device driver by john donvan			
				decision and optimization problems						
13	9/3/20- 13/3/20	5	1	Introduction to Iteration, Design IssuesUse of Loops, Efficiency of Algorithms, Estimating & Specifying Execution Times						
14 1	23/3/20- 31/3/20	5	1	Order Notations, Algorithm Strategies, Mathematical foundations, summation of arithmetic and geometric series, bound summations using integration, Design using Recursion.		diese of trans	LCD ,Projector and computer system		Prince	md anapurkar
6					Sessional -2 (4 Apr-9 Apr	V.S.	7		Maharshi Karve Stee Turkeles College of Er Hingha, Nag	Shikshan Sanethe's rigineering for Worken por-441118.



Maharshi Karve Stree Shikshan Samstha's



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN
Sharpening Engineering Acamen with a difference
Lab Practicals Plan Sem. II

	CUMMINS COLLEGE (OF ENGINE	RING FOR	WOMEN,	NAGPUR	
Faculty N	lame: Prof. A.Borkar		Subject: DAA	Practical		nt:- Comp. Engg
				Batch B2		
P.no	Name of experiment		Planned Date	Perform Date	No. of Viva done	App 's Remark
print	print	possible Variations	print	fill	fill	fill
1	Write a program to implement bubble sort, selection sort, Heap sort.		19-12-2019 & 26-12-2019	19/12/19 26/12/11	s².	
2	Write A program to implement binary search algorithm		31-12-2019 & 02-01-2020	3//12/13	υ8	Jaiky
3	Write a program to MST using prim's algorithm		09-01-2020 & 16-01-2020	7167	75	
4	Write a program to MST using krushkal's algorithm.		23-01-20	23/12	15	,
5	Write a program to implement SSSP Dijikstra's algorithm.		30-01-20			
6	Write a program to implement travelling salesman problem		06-02-20			
7	Write a program to implement N-Queen's problem		13-02-20			
8	Write a program to implement DFS on connected graph.		20-02-20			
9	Write a program to implement BFS on connected graph.		27-02-20			

Faculty in charge

Page 1

HoD



Mahe shi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE / 19-20

Date: 09 / 12 / 2019

	,			LESSON & 1	TEACHING PLAN for SYSTE	EM SOFTWAR	E			
	· v			De	partment of Computer Engin	eering				
Faculty N	lame: Prof. A	bhilasha	T. Borl	kar				Year	: 2019-20	Sem:- VI t
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition, No		Completion	Assignment/ Tutorial	AC's sign
					Skill Development (9 Dec to 13 Dec				Date	
				Components of system software	1) Plan to show them some	T	LCD ,Projector and	T		
				Evolution of system software	graphics icon of system softwares	:	chalk board, ppt on	2111219		
2	16/12/19- 21/12/19	1	6	Language translators, Machine Structure	and make them to identify it and allow them to write something about it. 2) introducing concept		componenets of system software by	23/12/9	-	
				Machine Structure	on ppts and on black board		john donvan	24/12	()	
	,	1		Assembly Language instructions					1	
		-		Assemblers					_	100
				Design of two pass assembler	1) Plan to to design structure of		LCD ,Projector and	2612		July
				Single Pass assembler	assembler by student on black board by giving them instruction with	Systems	chalk board ,ppt on		18 Panus	
3	23/12/19-	1	6	Data structures used for design of assembler	explanantion from other student	Programming (John Donovan)	assesmblers by john donvan	30/12	1	9
	27/12/19	-		Symbol Table management	,	Ch 01 pg no 1-14, Ch 02 pg no 21,35,		39/12	\-	
				Design and Implementation of two pass assembler		43, Ch 03 pg no. 60-77		1/1120		
				Tutorial				211/20	<u> </u>	
				Handling constants, literals, labels and Procedures	1)Plan to Revise the concept of C languange in which Macros was			317		
	30/12/19-		- 1	One pass assembler design	used. Student allow to use macros in program by their own			411		
4	4/1/20	2	5	Cross Assembler, Macro language	0				-	
			İ	Macro processor, Macro instructions	Mege of Inc.			911	-	
Facul	ty in Char			Features of macro facility	Hingna, A hoper-441111 &	HOD	kmline br Milind Khanapurkar	1011	-	

NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence 8 Chapter no. Fage no,edition. No	ICT tools	Completion Date	Losgoment/ Tutorial Date	ACssign
				Features of macro facility	1) Plan to show them loading			1	131)	
	06/1/20-			mpenerta.cr	procedure by the loader in animated way				1 1	
5	10/1/20	2	5	Problems					1411	
				Tutorial (Problems)			LCD ,Projector and		1511	
				Basic Loader functions		Systems	chalk board and		1.631	
				Loader schemes,Complier and go" Loaders	plan to show concept of memory management in animated video		animated video of shaun micheal stone		221	
				general Loader scheme		no 60-77	on memory	ASSTA	2011	
6	12/1/20	3	6	absolute loaders, subroutine			management	p-st.		
9	18/1/20	'	•	linkages, relocating loaders				0	2011	
				direct linking loaders					3011	
				Overlays					3011	
	-			Tutorial						
				A	nanaya Festival (20 Jan-24 Ja	in)				
			of the Control of the	Dynamic Binders	2)Solving numercials in tutorial	Systems			To the second	
	27/1/20-			Design of an absolute Loaders	lecture	Programming			112	
7	1/2/20	3	5	Design of a Direct – Linking loaders		(John Donovan) pg no 111-136			-	
				Numericals based on loaders		110 111-130	LCD ,Projector and		312	
				Basic Compiler Function	3) Plan to revise the concept of		chalk board and PPTs		- 1	
		riossian discount		Compiler Phases	theory of computation and giving		on compiler by john		512	
8	3/2/29- 3 7/2/20	4	6	Lexical Analysis – NFA and DFA	them task of design of NFA and DFA	Systems Programming	donvan		710	
0		-		Intermediate code generation –three		(John Donovan) pg			712	
				address code intermediate code forms		no 111-136			_	
				Top down v/s bottom up parsing					-	





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Bo	ICT tools	Completion Date	Assignment/ Tutorial Date	AC's sign
10	17/2/20- 21/2/20	4		Semantic Analysis Syntax Directed Translation Syntax Directed Translation LEX YACC Interpreters	understand the concept by real time example		LCD ,Projector and chalk board and PPTs on compiler by john donvan		Date	
11	24/2/20- 29/2/20	5	5	Unix Device Drivers Basic device driver operation Implementation with Line printer Comparison unix Vs Windows (TuTorial) Implementation with Line printer	understanding the concept by device drivers by real time car example showing them differents Parts of car and consider as a device	(John Donovan) pg no 152-178		2412 2512 2712		
12	2/3/20- 7/3/20	5	6	Comparison unix Vs Windows (TuTorial) Device Programming Installation and Incorporation of driver routines Basic device driver operation Basic device driver operation (Tutorial)	plan to give activity as a seminar to understand the concept by giving real time example for each device driver	Systems Programming (John Donovan) pg no 265,279	john donvan	2812 2312 2512 813413	fin	4
13	9/3/20- 13/3/20	6	5	Case study of Intel®64 and IA-32 Processors	case study will perform as a group activity		,	713 122		
14	23/3/20- 31/3/20	6	5	Case study of Intel®64 and IA-32 Processors	case study will perform as a group activity	OTHIX DEVICE	computer system	315/4	Assiln 3	
16	1			,	Sessional -2 (4 Apr-9 Apr	•)		,		



Dr. Millind Khanapurkar Principal Maharah Karu Strue Sheahan Sanethu's Lunnias College of Enymenting the Monen Kara Nagaru-41118.

Hild

LESSON & TEACHING PLAN CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR

		Facu	lty N	ame: Prof. Sharayu J Deote	MPUTER ENGINEER	ING				
Vee		No.	Unit	onaraya o Deote	Subject: DBMS	Third Ye	ar(2019-20)		Sem:-	VI CE
k No.	Week	Of Lect.	No.	Exact Topic Name & Subtopic	Refrence Book - Chapter no, Page no	Activity	ICT Tools	Complet ion Date	Assignm ent Date	AC's
				UNIT I: Introduction to Database Systems	1. Abraham				one Date	Telliai K
1	23 Dec- 27 Dec	6		Database Systems: Significance and advantages, Types of Databases, the DBMS Environment	Henry F. Korth and S. Sudarshan, 5th Edition, McGraw Database System Concepts		PPTS Chalk Board & PPTS	24/12		
				Limitations of File processing system,	5th Edition, McGraw		Mobile Whatapp			
				DBMS Architecture, Functions of DBMS,	Hill (SIE), 2013.	1.Drawing competition				
2			1	Data Abstraction, Data Independence,	pg no. 1 to 28 ,chno 1	2.Make group of 6 to 5 students ,give copy of xerox of achitecture to	ON INTERNET	04/01	0 06 0)	Jui
	30 De 04 Ja	6		Formal relational query languages:		prepare comparative table for symbols used in	PPTS		0.01/	101
3				Relational Algebra,	ch no 5 ,pg no 163 to 198	3.Practice Query examples	Chalk Board & PPTS			
				Tuple Relational calculus,	from same book		Mobile Whatapp also			
				Domain Relational Calculus.					1	
				UNIT II: Relational Database Manipulation	Desai Bipin,	4 .Activity to Design tables relavant to	7	26/12		7
	6-Ja	n		Introduction to SQL: SQL Data Definition, Basic Structure of SQL Queries	Introduction to Database System	application and , Define structure of table by also				Jul
1	to 10-Ja	6 an		Set Operations, Null values, Aggregate	Galgotia Publications, 2003	mention primary key "Null values integrity constraints.sal datatypes				

Dr. Millind Khanapurkar Principal Maharah Kare Stras Shikshan Sanetha's Jurnelias College of Engineering for Wosten Honga, Nappur 441198.

			II	Intermediate SQL: Join Expressions, Views, Integrity, Constraints, SQL Data types and Schemas, Authorization	Ex. From both books & net & university papers	5 practice query	PPT	00	- 3
5	13-Jan to 18- Jan	6		Advanced SQL: Dynamic SQL and Embedded SQLPL/SQL Functions and Procedures.QUEL: data definition, data manipulation, embedded data manipulationQBE: Basic data retrieval,	Inter net		halk board.	3	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
2	20-Jan - To	-24-Ja	n		Anannya Cı	ıltural Festival	1		
,	27Jan - 01 FEB	6		UNIT III: Data Models and Relational Database Design Evolution of data model Entity relationship model Development of ER Diagrams, Extended Entity Relationship modelRelational model: Logical View of Data, Keys,	pg no 201 to 302 from korth ,Ch no 6 & 7& bipin desai	6. Design of ER diagram	PPT Challe board Mobile	01/03	July 1
	3 Feb- 7 Feb	6		Integrity Rules, Relational set operators, Data Dictionary and System Catalog, Indexes, Rules Codd's Relational Database			1,	1	8 2 20
				Sessio	onal -I 10 Feb 2019 to 14 Fe	b-2019			
8	17 Feb- 21 Feb	6	III	Normalization of Database Tables: Need and Significance, the normal forms - 1NF, 2NF, 3NF, BCNF, 4NF, 5NF, normalization & database design,renormalization.	pg no 201 to 302 from korth ,Ch no 6 & 7& bipin desai	7.Activity observe fault in datdabe design and find solution			





Ma	- 1	distributed commitment and recovery, security and protection in DDBMS, homogenous and heterogeneous systems	Korth			
		Inte	ernal Practical 27 Mar to 3 ional -II 4-April To 9 Apri			

Subject Teacher

AC, CE Dept

College of Ingine

Dr. Milind Khanapurkar Principal faharshi Karve Stree Shikshan Sanetha's vinnina College of Engineering for Work en Hingra. Napport-41118.



Maharshi Kc ve Stree Shikshan Samstha's Educ Ve Women for 116 years CUMMINS COLLEGE OF ENGINEERING FOR WOLLEN

Sharpening Engineering Acumen with a difference



CCOEW/ Department of CE/ME/ETC./ 2019-20 Date: 16 /12 /2019

LESSON & TEACHING PLAN

				LESSON & TEACHING	JPLAN			·	
				CUMMINS COLLEGE OF ENGINEERING	G FOR WOMEN, NAGPUR				
Facult	y Name: l	Prof. Ra	shmi De	shpande	Subject: Functional English	Year (20)19-20)	Sem:-	VI
WEE K No.	Week	No.Of Lect.	Unit No.	Exact Topic Name & Subtopic	Refrence Book - Chapter no, Page no	Completion Date	Assignmen t Date	HOD's remark	Principal
1	16-21 Dec 19	1	2	English for Competitive Exams and interview Technique: IPA,Word Building,Synonyms,Antonyms,Analogies	Quick Learning objectiveGeneral English, Functional Eng.For Tech.Stu. Himalaya Pub.(pg no. 57-86)	23/12			
2	23- 27 Dec 19	2	1 & 2	Give One word for, Phrases, Idioms and Proverbs	Quick Learning objectiveGeneral English,Functional Eng.For Tech.Stu. Himalaya Pub.(pg	25/12		d.i/m_	
3	30-4 Jan 2020	1	1	Functional Grammar : Active Passive, Narration	Functional Eng.For Tech.Stu. Himalaya Pub.(pg no.2-26)	15 170	15/1/20	3011	
4	6-10 Jan 2020	1	1	Functional Grammar : Common Errors	Quick Learning objectiveGeneral English,Functional Eng.For Tech.Stu. Himalaya Pub.(pg		0		
5	13-18 Jan 2020	, 1	1	Functional Grammar : Common Errors	Functional Eng.For Tech.Str Himalaya Pub.(pg no.108- 110,113-129)	1. 328/1			
6	20-24 Jan 2020			Anan	nya 2020				
7	27-1 Feb 2020	2	3	Functional Grammar: Transformation of Sentences	Functional Eng.For Tech.S Himalaya Pub.(pg no.132-1		20	Brish	ey
8	3-7 Feb 2020	2	3	Formal Correspondence (A): Business Letters(Copmplaint,Notices,Circulars,Memos)	Functional Eng.For Tech.S Himalaya Pub.(pg no.111-1	Stu. 29 \	A2.	- 1	7





9)	10-14 Feb 2020			Sessional I (10 Fe	eb- 14 Feb2020)				
1	11	24-29 Feb 2020	2	4	Formal Correspondence (A): Business Letters(Copmplaint,Notices,Circulars,Memos)	Functional Eng.For Tech.Stu. Himalaya Pub.(pg no.pg	31/2/20		3 July 12	
	12	2-7 March2	2	4	Writing Resume, Interview Technique,E-mail etiquettes	no.111-112,145-178)	17/2		,	
	13	9-13 March 2020	2	4	Formal Correspondence (B): Technical Report writing	Functional Eng.For Tech.Stu.	25/2	A.3 11/3		
	14	16-21 March	2	4	Formal Correspondence (B): Technical Report writing	Himalaya Pub.(pg no.180-207)	26/2	•		
	15	23-27	2	4	Analytical comprehension: (fictional ,non-fictional unseen text)	Analytical comprehension,Functional Eng.For Tech.Stu. Himalaya Pub (pg no.144-178)	2/3 3/3			
	16	30-31 March 2020	2	4	Features of Technical and Scientific writing D. Mind Whatas Random Grant Company Company Company Random Company Company Company Random Company Company Company Random Company Company Company Random Company Company Ra	Eng.For Tech.Stu. Himalaya				
					Sessional 2 (4th	April - 9th April)		中国制度	一种	

CCOEW/ Department of Mechanical Engg. / 19-20



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/CE /19-20

Date: 10 / 12 / 2019

LESSON & TEACHING PLAN for WCM.C

					artment of Compu		. –			
Faculty	Name: Prof	. Sur	uchi					Session:	(201)	Sem:- Eight
WEEK No.	Week	No. Of Lect	t	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOT's sign
1	16/12/19- 21/12/19	2		MOBILE NETWORKS: Issues & challenges-				19/12).
2	23/12/19- 27/12/19	2		Security issues, Authentication in Mobile application,		Theodore S. Rappaport- Wireless		26/12		gain
3	30/12/19- 4/1/20	2	\mathbf{v}	privacy issues		Communication Principals & Practice Prentice		2/1		
4	6/1/20- 10/1/20	2		power management		Hall		911,1011		July
5	13/1/19- 18/1/19	2		Energy awareness computing				16 1		
6	20/1/19- 24/1/19					Ananya 2k20				
7	27/1/20- 1/2/20	2	v	Mobile IP& Adhoc Network						
8	3/2/20- 7/2/20	2		VOIP application						
9	10/2/20- 14/2/20	2				Sessional I				
10	15/2/20- 21/2/20	2		PROTOCOLS & TOOLS: Wireless Application protocol-WAP						







Dr. Millind Khanapurkar Principal Maharshi Karva Stree Shikshan Saneth Jumalia College of Engineering for Woo

EEK lo.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	KT tools	Completion Date	Assignment/ Tutorial Date	AC's s
7	20/1/2020	to 24/1/	2020		A A	nanya Cultural Program	Commence of the second			
8	27/1/2020 to 1/2/2020	4	2	SDMA-FDMA-TDMA-CDMA, Cellular wireless networks, Wireless LAN-IEEE 802.11 standards: Architecture ,services, Tutorial .		Mobile Communication- Jochen Schiller, Adison Wesley, 2000 Pg_No 449-464	PPT	24/1. 28/1. 29/1. 30/1.		
9	3/2/2020 to 7/2/2020	3		MANET: Wifi& Wimax, Wireless local loop, routing, HIPERLAN, Bluetooth.	Activity 2.3:		РРТ	31/1 1/2 3/2		
10	10/02/2	20-14/02	2/20			Sessional I				J
11	17/2/2020 to 20/2/2020	3		MOBILE NETWORKS: Sensor Networks, Peer to Peer networks, mobile routing protocols:-	Activity 3.1:	Wireless Communication & Networks-W. Stallings, Prentice Hall.	https://nptel.ac.in/courses/1 06105160/10	4/2		
12	24/2/2020 to 29/2/2020	4	3	DSR,AODV, reactive routing- Location Aided routing-	Activity 3.2:			24/2		
13	2/3/2020 to 7/3/2020	4		Mobility models- Entity based-group mobility- Random ways point mobility model.	Activity 3.3:		PPT	26/2 13/2 29/2		
14	9/3/2020 to 13/3/2020	4		MOBILENETWORKS LAYER: Mobile IP, dynamic host configuration protocols, Adhoc Networks. Tutorial	Activity 4.1:	Mobile Communication- Jochen Schiller, Adison Wesley, 2000 Pg_No 304-366	PPT	2/3		
15	16/3/2020 to 21/3/2020	4	4	MOBILE TRANSPORT LAYER: Traditional TCP, Indirect TCP, Snooping TCP, Mobile -TCP, Transaction oriented TCP Tutorial	Activity 4.2:	304-300	РРТ	9/3 1/3		
16	23/3/2020 to 26/3/2020	3		Practice and Preparation on university Question Paper						
15		.i)- 09/04/:	1	AND THE RESIDENCE OF THE PARTY		Sessional II				

Faculty in Charge

Alago of Fing Magne. Magne.

Dr. Milind Khanapurkar Maharik Karra Strei Josephanan Savelli Luminist Ching et in Josephan Savelli Luminist Ching et in Josephan Savelli Karpar Magaer 41118





Date: 10 /12 / 2019

COEW	/CE / 19-20			LESSO	N & TEACHI	NG PLAN				
				CUMMINS COLLEGE C	F ENGINEERIN	G FOR WOMEN, NAGPUR	- 1 - 1 - 1	SEM:	8thSemCE(201	19-20)
	Name: Prof. Vic	lva S. Rau	t	Subject:Wireless Communication & Mobile	Computing	Department: Computer Engineering			Assignment/	
1	Name: Prof. Vic	No. Of	Unit	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Tutorial Date	AC's sign
WEEK No.	Week	Lect.	No.			Theodore S. Rappaport-		16,17		\bigcirc
				WIRELESS COOMUNICATION: Introduction to Wireless communication, Radio		Wireless Communication Principals & Practice Prentice	PPT	3,241	Tuter	
	16/12/2019 to 21/12/2019	4		Frequencies, Objectives. Tutorial.		Hall Pg_No 1-93	NOTEL O	23/12	21/12	
2	23/12/2019 to 27/12/2019	2	-1	The cellular Concept, System design & fundamentals, Frequency reuse,	Activity 1.1:		NPJEBLEUT	24/12		Ju
3	30/12/2019 to 4/1/2020	4		Channel Assignment & handoff strategies, Tutorial.	Activity 1.2		NPIETVIdeo	6/1/20	1/1/20	
	17.7.2.2.2	-	-	Adjacent Channel interference, cell splitting,			PPT.	7/1/20		/
4	6/1/2020 to 10/1/2020	3		Sectoring. Tutorial.			Youtube Video			1
		-	-			Theodore S. Rappaport- Wireless Communication		13/4/2	tong:	A) 4
5	13/1/2020 to 18/1/2020	3	2	INTRODUCTION TO GSM: Architecture, Radio Subsystem, Channel types, Gsm frames Structure	Activity 2.1 : Activity 2.2 :	Principals & Practice Prentice Hall Pg_No 551-563		19/1/2	Tutalia) X
	18/1/2020			Tutorial				18/1/2	24/8/1/2	6

Faculty in Charge







CCOEW/CE / 2019-2020

06/12/2019

LESSON & TEACHING PLAN for Expert System Design

NAME OF THE OWNER, WHEN				Departn	nent of Com	puter Engineerir	ng	entryphic remains the authority of the same		r
aculty	Name: Prof.	SHAILES	H SAHU	CONTRACTOR COMBINES TO PROMOTE A RECYCLORISE TO SPONSON CONTRACTOR TO THE REPORT OF A CONTRACTOR SPONSON CONTRACTOR CONTR	THE PERSON NAMED AND PASSED OF THE PERSON NAMED IN COLUMN	- The same of the		Year:	2019-2020	Sem:- 8th
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
1	16/12 to 21-12	5	1	Expert system & AI, Expert System characteristics.	and the second s	"Peteer J.F. Lucas and Linda C. Van Der Gaag,	ox-line videos.	21/27	old -	Zhity
2	23/12 to 27/12	4	4	Expert System Structure, Heuristic Reasoning, User Interface. Tutorial.	0	"Priniplces of Expert Systems "		21/12/2	old Jubano	
3	30/12 to 4/1	5	2	Logic and Resolution: propositional logic, first order predicate logic.	2	"Peteer J.F. Lucas and Linda C. Van Der	march 100 og sammend Ogs 1,000 av 100 av 100 av 100 av 100 av 100 av 100 av 100 av 100 av 100 av 100 av 100 av	4/1/20	Arrig (1)	7.
4	6/1 to 10/1	4	Decision and the second	causal logic form of logic, resolution and propositional logic. Tutorial.		Gaag, "Priniples of Expert Systems "		(0/1/20	retarial	Jeifey
5	13/1 to 16/1	4	1	Production Rules and Inference: Knowledge representation in a production system.		"Peteer J.F. Lucas		16/1/20	-	,
6	27/1 to 1/2	5	3	Inference in a production system,Pattern recognition,production rules.	1	and Linda C. Van Der Gaag, "Priniplces of		112/20		
7	3/2 to 7	/2 5	3	Production rules as a representation formalism, Tutorial	NATIONAL REPORT OF THE PROPERTY OF THE PROPERT	Expert Systems "	Andrew Communication of the Co	7/2120	44120	
8	10/2 to	To coth Thistory developed	on a landous			Sessional - 1		a kaliman ka 194 man dang pang bang pang		

O ABL: crypt-arithmetic problem is given to understand the concept heuristic neasoning.

Faculty in Charge



AML: Logic using real followled amples. (How a physician defetes a perticular problem)

WEEN No.	Week /	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
9	17/2 to 20/2	3	•	Frames and Inheritance: Semantic nets, Frames and single inheritance: tree like frame taxonomies, File Merging: Sorting of large files on disks.		"Peteer J.F. Lucas and Linda C. Van Der Gaag,	N10/602	18/02/20		
10	24/2 to 29/2	5	4	Exceptions inheritance and attribute facts, Frames and multiple inheritance, frames as a representation formalism.Tutorial		"Priniples of Expert Systems"				
11	2/3 to 7/3	5	5	Reasoning with Uncertainty: Production rules, inference and uncertainty, probability theory: the probability function, conditional probabilities.		"Peteer J.F. Lucas and Linda C. Van Der Gaag,		The course was a second		
12	9/3 to 13/3	5	5	Bayes' theorem, application in rule based expert system, The subjective Baysian method, the certainty factor model, Dempster-Shafer theory, Network model. Tutorial.		"Priniplces of Expert Systems "			1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
13	16/3 to 21	5	6	History of artificial neural networks, Neural information processing, hybrid intelligence, basic concept of neural network.		"Peteer J.F. Lucas and Linda C. Van Der Gaag,				
14	23/3 to 27/3	6	6	biological neural system, single layer perceptrons, multilayer perceptrons, supervised and unsupervised learning, neural network learning. Tutorial.	Verzillen en en en en en en en en en en en en e	"Priniplces of Expert Systems"				
16	4/4 to 9/4		- consecutive		CALENDARION CONTROL OF AN AREA CONTROL OF THE CONTR	Sessional - 2				



Dr. Millind Khanapurkar Principal Maharsh Karva Stres Shishan Sanetha Junnies College of Expineering for Mont Managan Kappur-dilayan

Faculty in Charge

fliky AC



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE/ 19-20

LESSON & TEACHING PLAN

Date: 14/06/2019

Camb	y Name: Prof. Pra	sanna Lol	ne			Subject: MMT		EVEN SE	M (2019-20)	Sem:- 8th
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	16 DEC TO 21 DEC	5	1	Introduction: Definition of multimedia - Multimedia Basics - Where to use Multimedia Multimedia Elements - Multimedia Applications Multimedia Systems Architecture: Multimedia Workstation Architecture - High resolution Graphic displays -	Grp Discussion/Google Serach/ You tube Videos/Assignments	Fundamental of Multimedia - Ze-Nian Li & M. S. Drew ,PHI	Chalk and Board/PPT/Videos	30112		Jew 124
2	30 DEC TO 03 JAN	5	1	Multimedia Architecture Based on interface bus - Network architecture for Multimedia systems. Evolving technologies For Multimedia Systems: Hyper Speech - HDTV and UDTV - 3D Technologies and Holography -Virtual Reality - Video conferencing.	Assignment/ Problem Solving practice	Fundamental of Multimedia - Ze-Nian Li & M. S. Drew ,PHI	Chalk and Board/PPT/Videos/Li ve Execution	04101		
3	06 JAN TO 10 JAN	5		Input Devices - Output Hardware - Communication Devices , Basic Software Tools : Text Editing - Word Processing - OCR Software - Painting and Drawing Tools - 3D Modeling and Animation Tools - Image Editing - Sound Editing -Animation - Video - Digital Movie tools - Movie Editors - Compressing Movie Files, Making instant Multimedia : Linking Multimedia Object - office suites- word processors - spread sheets - databases - presentation tools	Presentation/ grp Discussion/Live examples	Multimedia: Making It Work By Tay Vaughat Eighth Edition, TMH	Board/PPT/Video	9-116]		te
4 1	3 JAN TO 17 JAN	5	2	Multimedia authoring tools: Types of authoring tools – card and page based authoring tools – Icon based authoring tools – Time based authoring tools.	Presentation/ grp Discussion/Live example:	Multimedia: Making Work By Tay Vaugh Eighth Edition, TM	an Board/PPT/Vid	eos orto	,2.	

Faculty in Charge

Dr. Millind Khanapurkar
Principal
Maharshi Karve Stree Shikshan Sanetha'
Sunmins College of Engineering for Wome
Hingna, Nagpur-441118.

HODE

WEE KNo.	Week	No. Of Lect.	Unit No.	Exact Topic Name &	Activity/ Teaching Aid	Refrence Book - Chapter 1 age no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
5	27 JAN TO 31 JAN	5	3	Text: About Fonts and Faces - Using Text in Multimedia - Designing with Text - Hypermedia and Hypertext - The Power of Hypertext - Using Hypertext - Hypermedia Structures - Hypertext Tools,	Videos/Assignmment/Proble m Solving Practice	Multimedia Systems Design - Prabhat k.Andleigh, Kiran Thakra	Chalk and Board/PPT/Videos			
6	3 FEB TO 7FEB	5	3	Images: Making Still Images – Bitmaps - 1 bit images - 8-bit gray level images - 8-bit color images- Dithering- 24 bit color images - Vector Drawing - Vector-Drawn Objects vs. Bitmaps- 3-D Drawing and Rendering – Color - Understanding Natural Light and Color - Computerized Color - Color Palettes - Color Lookup table.	Gooogle Search data collection/ Aniamted Videos/Assignments	Multimedia Systems Design - Prabhat k.Andleigh, Kiran Thakra	Chalk and Board/PPT/Videos/Li ve Execution			
7						Sessional I				
8		6	3	Sound: The Power of Sound - Digital Audio - Making Digital Audio Files - MIDI Audio - MIDI vs. Digital Audio - Multimedia System Sounds - Adding Sound to Your Multimedia Project - Audio Recording - Keeping Track of Your Sounds - Audio CDs - Sound for Your Mobile - Sound for the Internet. Animation: the Power of Motion- Principles of Animation - Animation by Computer - Animation Techniques. Video: Using Video- How Video Works and Is Displayed - Analog Video - Digital Video, Displays - Digital Video Containers - Codec - Video Format Converters - Obtaining Video Clips - Shooting and Editing Video.	Gooogle Search data collection/ Aniamted Videos/Assignments	Multimedia Systems Design - Prabhat k.Andleigh, Kiran Thakra	Chalk and Board/PPT/Videos/Li ve Execution			
9		5	4	Data Compression: Need for Data compression - General Data compression Scheme - Compression standards - Non-lossy compression for images - Lossy compression for Photographs and video - Hardware Vs Software Compression	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Multimedia Systems - John F.Koegel Buford	Chalk and Board/PPT/Videos/L ve Execution	i		
			Colley	od trop	Kinlind				•	

Chanter no. Party | Date | Biolian Date





	VEE No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book Chapter no. Pa no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
	10		4	4	Compression Schemes and standards:(Only Concepts of) Binary image compression, Color, Gray Scale image compression - JPEG, video image compression - Multimedia Standards for Video - Requirements for Full-motion Video Compression - MPEG - Audio compression - Fractal compression - advantages / disadvantages.	Live Example/Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Multimedia Systems - John F.Koegel Buford	Chalk and Board/PPT/Videos/Li ve Execution			
	11		6	5	Data and File Format Standards: Popular File Formats - RTF, RIFF, GIF, PNG, TIFF, MIDI, JPEG, JFIF, AVI,WAV, BMP,WMF, MIX, MPEG standards - TWAIN. Multimedia Databases, Storage and Retrieval - Database Management systems - Database Organization and Transaction management for multimedia systems.	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Multimedia: Making It Work By Tay Vaughan Eighth Edition, TMH	Chalk and Board/PPT/Videos/Li ve Execution			
	12		5	5	Multimedia Skills: The Team - Project Manager - Multimedia Designer - Interface Designer - Writer - Video Specialist - Audio Specialist - Multimedia Programmer - Producer of Multimedia for the Web	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Multimedia: Making It Work By Tay Vaughan Eighth Edition, TMH	Chalk and Board/PPT/Videos/Li ve Execution			
	13		5	6	Designing and Producing: Designing - Designing the Structure - Designing the User Interface – Producing – Tracking – Copyrights - Virtual reality designing and modeling (VRML). :	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Multimedia: Making It Work By Tay Vaughan Eighth Edition, TMH	Chalk and Board/PPT/Videos/Li ve Execution			
	14		5	6	The Internet and Multimedia: The Bandwidth Bottleneck - Internet Services – MIME Types - Multimedia on the Web - Web Page Makers and Site Builders - Plug-ins and Delivery Vehicles. Designing for the World Wide Web	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Multimedia: Making It Work By Tay Vaughar Eighth Edition, TMH	Chalk and Board/PPT/Videos/L ve Execution	i		
			./		Maganititis	Dr. Milled Khanngurhar Principal Washes Cong San Shannar Sanshira Sansan Ginga Gibannar Sanshira Sansan Sansan Sanshira Sansan Sansan Sansan Sansan					
ac	ulty	in Charge					HOD				



TO METALSHI KERVESIVES SAIVE HAMISTIM CHASTI CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE / 2019-2020

Date: 06/12/2019

				Depart	ment of Com	puter Engineering				,
Faculty	Name: Prof	. SHAILES	H SAHU					Year: 2	019-2020	Sem:- 8th
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
1	16/12 to 21-12	5	- CONTROL OF THE SECOND OF THE	General Overview of the system: System Structure (Architecture of UNIX Systems). User Perspective (The file system, Processing Environment.)	0	The Design of Unix Operating System by- M.J Bach (4-36)		21/12/2	p/3	
2	23/12 to 27/12	4	T	(Building Block Primitives),Operating systems services.Assumption about hardware (Interrupts and Exceptions, Processor Execution Levels, Memory			ppt	Z7\12-}		July
3	30/12 to 4/1	5		Introduction to kernel: Architecture of the UNIX Operating System (Block Diagram of the system Kernel). Tutorial.	2		and care for communication of the communication of	3/1/20	3/01/20E	0
4	6/1 to 10/1	4		Introduction to system Concepts (An Overview of the File Subsystem,Processes-State and Transitions). Kernel data structures,System administration		The Desire of		10/0/		Zhù fey
5	13/1 to 16/1	4	2	The Buffer cache: Buffer headers, structure of Buffer pool, Scenarios for retrival of a buffer.(Scenarios no. 1 and Scenarios no. 2).	3	The Design of Unix Operating System by- M.J Bach (38-56)		16/01		

file structure.

(2) using c code, students have understand the block diagram

of system kernel.

(3) pro

AC July ABL: 1 Students have used is - command with option to understand

				4						- 1
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
6	27/1 to 1/2	5		Scenarios for retrival of a buffer. (Scenarios no. 3 and Scenarios no. 4 & 5). Reading and writing disk blocks. Tutorial.	4		112/70	26/01	23/1/200	Jule
7	3/2 to 7/2	5	3	Internal representation of files: Inodes (Definition, Accessing Inodes, Releasing Inodes).Structure of regular files.		The Design of Unix Operating System by- M.J Bach(67-77)		63/12		
8	10/2 to					Sessional - 1				
9	17/2 to 20/2	3	3	Directories.conventions of a path name of nodes (Algo-namei). Super block.Inode assignment to a new file (Algo-ialloc). Allocation of a disk block, other file types. Tutorial.		The Design of Unix Operating System by- M.J Bach(77-88)			15/00/200	
10	24/2 to 29/2	5	4	System calls of the file systems: Open, Read, Write. File and record coding seek.close, file creation, creation of special fileschange directory, root, mode and owner.		The Design of Unix Operating System by- M.J	live examples	25/2		
1	1 2/3 to 7/	3 5		stat, fstat, pipes, dup mounting and unmounting file system, File system abstraction and maintenance. Tutorial.	And the second s	Beach (91-140)	Gue etamples	24 12	23/1/No	\
1	2 9/3 to 13/3	5		The structure of the Processes:Process states and transitions Layout. Layout of System memory, Contex of the process, saving the contex of the process.	1	The Design of Unix Operating System by- M.J Bach (147-151 & 227-238)		713	0	



Dr. Millind Khanapurkar Principal Mahashi Karw Strei Shiskhan Sanetha's Tunnisa Chilego d Egyheedig for Mosam Kiopa, Nagpu-41118.

Faculty in Charge

Jailey AC

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
13	16/3 to 21	5	5	Manipulation of the process address space, sleep. Process control-Creation. Signal, termination, awaiting process termination, Invoking other programms. UID of a process, changing size of process, The shell, the system boot and the INIT process. Tutorial.		The Design of Unix Operating System by- M.J Bach (147-151 & 227-238)			and the second s	
14	23/3 to 27/3	6	6	Interprocess Communication: Process tracing, System V IPC.Network communications, sockets. Managing the system and network connection in any LINUX version: Monitoring resources, Mastering Time.		Ubuntu Linux, Toolbox by				
15	30/3 to 31/3	2	6	Managing boot process, Controlling startup and Run levels. Configuring networks from the GUI, Managing Network Interface cards, Connections: using wireless connections, Troubleshooting network problems. Tutorial.		Christopher Nequs.				
16	4/4 to 9	/4	and the second second			Sessional - 2				



13

Dr. Millind Khanapurkar Principal Mahash Karve Stre Shikshan Sanema's Tunnies Collego d'Engineering for Wossen Hingsa, Nagpor-44118.

43.

Faculty in Charge

C) Ley



CUMMINS COL RECEDIFENCINEERING FOR WOMEN



CCOEW/CE / 19-20

Date: 17 / 12 / 2019

LESSON & TEACHING PLAN for Distributed System & Grid Computing

						Department of Compute	er Engineering	and the second second second second second second second second second second			
aculty	Name: Prof.	Sakshi A.	Kham	anka	r .		The second section of the second seco		Year	: 2019-20	Sem:- VIIIth
No.	Week	No. Of Lect.	Unit No.		Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/Tutori al Date	Ac's sign
				N	lotivation and goals	Plan to divide class into at	,		16/12/4		
	16 Dec-21			C	verview and advantages of DS	least two group and			17/12/19		')
1	Dec Dec	6	1		Characteristics-Absence of global clock	announce a competition for			1811219	-	
1				5	State (Local and Global)	most points on a practice test. Let them study a topic		LCD, Projector and	19/12/9	.	(
				1	Possibility of large network delays	together and then give that		chalk board and	19/12/19		7 de ilse
				1	Scalability, security	quiz, after each round,let		question on operating	20/12/19		1 100
1			\ :	L [security	them study the next topic	"Advance Concepts in	and some concept of . desktop operating	20/12/19		10
1,	23 Dec- 2	7			Resource management	before quizzing again	Operating	* * 0			
-	2 23 Dec- 27			Time and Global States-Introduction	1	System"Singhal	,	23112119			
				Clocks, Events and process states	1	and Shivratri,		24112113			
				Tutorial		Chap 4,71-80		30/12/19	1 Stassam		
			~	Synchronizing Physical clocks			1	31 112/19	ginel		
				Logical time,Logical clocks			1		0 (16HM	
:			2	3				41112020		(1)	
				Distributed debugging			Ī	2111200			
				Tutorial				31:17012	5		
				Coordination				6131 2000		,	
				Agreement	for understanding the		LCD, Projector and	7/1/200		7	
				Distributed mutual exclusion	concept of clock		chalk board and ppt on	211/2020		/	
				Token based algorithm	synchronizationforming the group of 5 student and	"Distributed	assembler by john donvan	91112020		1.1.1	
-		_		Lamports Algorithm	setting the clock and	Operating system"	donvan	(01112022		with	
				Ricart Aggrwala Algorithm	dictacting the message to	M.A.Ansari chap 6		13/1/2020		A	
			3	Suzuki Kasamis Algorithm	each group and let them			14/112020		0	
Jan 13 Jan 18			Raymond Tree based and Singhal	synchronise with that			15/1/200				
			Introduction	message			10/11/200				
					Distributed file systems					-	,

Faculty in Charge



Dr. Milind Khanapurkar Principal Mahashi Karis Strat Shashan Saneha'i Junelac College of Expressing for Money Academic Cordinator

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/Tutori al Date	Ac's sign
		a kalama a -			Ampanyo Ili un Iteatua	d to Jan 26 Jan				Links and a
				Design issues	for understanding the	Distributed system		27/1/20	•	
	27 Jan-			Distributed Shared Memory	concept of shared memory board consider as a shared	consept and design		22/1/202		/
7	1 Feb	6		Distributed Shared Memory	memory and student allow	forth edition by	PPts on CS-550	29/1/2020	1	/
				Introduction to middleware technology	to write anything on it like	George Coulouris.	distributed file system	30/112002		(
				Introduction to middleware technology	message ,note etc.	Chap 8,18		31111200		/.
			3	Design issues	CORBA is middelware and		LCD Berinden 1	1 12 202		1 dul
				Implementation issues	mostly used technology so		LCD, Projector and chalk board and ppts	3/2/200		Jum
8	03 Feb-07	5		CORBA Case Study	giving the student middelware as a topic and		on CORBA	4/2/2020		
3	Feb	,		CORBA Case Study	study it and do anylysis		selfprepared	5/2/2020		
				Types	why corba is popular		http://linux.die.net/m	514 200	anex+	
				Tutorial			an/2/read	5/2/2020	-quest)
	7	15.15	1194		10 feb-14 feb Ses	ssional-1	the statement of			
				CORBA	CORBA is middelware and		LCD, Projector and	412/200	(a)	•
1		1		RMI-Remote Method Invocation	mostly used technology so		chalk board and ppts	3,121200)
10	17Feb- 21	4	3	RMI-Remote Method Invocation	giving the student middelware as a topic and		on CORBA			/
	Feb			CORBA services	study it and do anylysis		selfprepared	24/2/2010		1
1				CORBA services	why corba is popular		http://linux.die.net/m	25/2/200		
-			-	Tutorial			an/2/read	23/2/200)
				Introduction				26/21202	0	100
				Grid Computing		"Grid Computing"				1 du
1 :	25 Feb 29 Feb	6		Grid Computing models		Ahmar Abbas		54/ 215ep	D	12 EH
	25/61	'	١.	Protocols		PDF from Internet		28/2/2012		ω
				Types of Grid	understanding the concept		l h			
						1	LCD, Frojector and	29/2/200		1
		-	\dashv	Desktop Grid	of grid computing by real		chalk board and PPTS	311.		
			\dashv	Desktop Grid Clusters & Cluster Grids HPC Grid	of grid computing by real time example of solar plant		chalk board and PPTS on grid computing	3111		



Dr. Milind Khanapurkar Principal Maharsh Karva Stree Shisasan Sanemu's Tunnis Collega of Longing for Women sungas, Nappur 41113.

Faculty in Charge

Academic-Cordinator

WEE No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Assignment/Tutori	Ac's sign
12	2 Mar- 6 Mar	6		Data Grids Message Passing Interface (MPI) Standard				3/3/200	
				Procedures, Tutorial				413/2000 5/3/2000 6/3/2000	
				Arguments ,Data Types				713120	
				Processes Platform independence				3/3/2000	
13	9 Mar-13 Mar	4	5	Error Handling				12/3/2020	
	Iviat			Point-to-Point Communication Collective Communication	for message passing student will chat on whats appone	John.Rittinghouse)	1 - 1
1				Error Handling	to one there will be message	"Cloud Computing			
1				,Platform independence	passing one to all there will	" PDF from		1 Cond	
				Process Technologies	be collective communicationi	Internet	LCD, Projector and	gend moderial via 9	
1				Introduction of cloud computing	Communication		chalk board and PPTS	material	
١,	4 16 Mar	- 6		Characteristics, Benefits of cloud			on cloud computing	lia O	
1	Mar			Cloud models				(V)~	
1				Service models : IaaS, PaaS, SaaS				\\i_i_\\	
				Deployment models				as roomine classes to due to secretarion	
			6	Public cloud				as no sivi	
				Private cloud	_			doses	
	15 23 N	6		Hybrid cloud	plan to give them case study on cloud			100	
	31N	lar		Community cloud				Jan Jam	
				Cloud Architecture	_	3		Jocephan	
			The same of the same of	Tutorial	4 Apr- 9 Apr Ses	iosal 3			



Dr. Millind Khanapurkar
Principal
Maharsh Karve Stree Shikshan Sanetha's
Summise College of Engineering for Women
Hindra Nation-4100

Faculty in Charge

Academic-Cordinator



The state of the s

Sharpening Engineering Acumen with a difference





Lab Practicals Plan Sem. VIII

	CUMM	INS COLLE	GE OF EN	IGINEERI	NG FOR	WOME	N. NAGP	UR		Dati	e: / /
	Engulto Name De Com	Subject: DSC			for		ment:CE		Section	: 8'th Sen	1
		Bat	ch B1(Tue)	Ва	atch B2(N	/lon)	В	atch B3(W	ed)	
Pi	Name of experiment	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva	Planned Date	Perform Date	No. of Viva	AC's Remark
print	possible Variations used	print	fill	fill	print	fill	fill	print	fill	fill	fill
	Introduction	17/12/19	1711219		16/12/19	16/12/19		18/12/19	1811219	7.11	2
1	Write a program for implementing client server communication model	24/12/19	24112119		23/12/19			1/1/2020		2	hipu
2	WAP to simulate the functionality of Lamport logical clock in C	31/12/19	31112119	*	30/12/19		5	8/1/2020			Jul
3	WAP to implement vector clock in C	7/1/2020	7/11/2m		6/1/2020			15/1/2020	15/11200		1
4	Simulation of Distributed mutual exclusion in C	14/1/2020	19111000		13/1/202 0	13/1/na	10	29/1/2020		12	July
5	Implement JAVA RMI mechanism for accessing method of remote system.	28/1/2020	28111200	5	27/1/202 0	27/1200	9	5/2/2020		9	DOEH
6	Implementation of CORBA (Common object Request Broker Architecture) Mechanism	4/2/2020	Myrow	4	3/2/2020	3/420	8	12/2/2020	12444	7	July





	ro study Grid sim toolkit for modeling and simulating grid computing environment.	11/2/2020			
	To study Installation & Configuration of		#######	19/2/2020	
8	Hadoop	18/2/2020	17/2/202		
	Write steps to create services deployment		0	26/2/2020	
9	and usage over cloud.	25/2/2020	24/2/202	4/3/2020	
10	Squid installation and configuration	in /n /n	0		
	oquid instantation and configuration	2/3/2020	3/3/2020	11/3/2020	

Subject-Teacher

AcademicCordinator

.

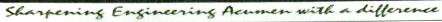


-22

Dr. Millind Khanapurkar Principal Maharshi Kare Store Shikshan Sanetha's 'urmies College of Expineering for Worken Hingna, Nappor-441118.



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/CE/ 19-20

Date: 17/06/2019

LESSON & TEACHING PLAN for Theory of Computation

Department of Computer Engineering

Facul	ty Name	e: Prof	. Shail	esh C. Sahu			Year: 2	2019-20	Sem:- 5	th
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	AC sign
			AND AND ADDRESS OF THE PARTY OF	Project Oriented Tra	ing Progra	m (17-21June PHP/Pyth	on)			
1	24 June - 29 June	5	1	Introduction to Theory of automatan Strings, Alphabet, language operations. Finite state machine definitions. Tutorial.	[1][2][3] [4]	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 35 to 45	Students stationeries, laptop	२७१०६		7
2	01 July - 06 July	5	1	Finite automation model acceptance of strings and anguage. Non deterministic finite automation, Deterministic finite utomation. Tutorial.	[5][6]	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 45 to 55	card	06107		
3	08 July - 12 July	5	1	Equivalence between NFA and DFA. Conversion of NFA into DFA, NFA with e moves and e-closure with examples. Ttorial.	[7]	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hoperoft and J. Ullman Page No. 55 to 60	Students stationeries	16/07		34





Salud

ctivi

Faculty in Charge

Academic in Charge

WEE	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	AC sign
4	15 July - 20 July	5	1	Conversion of NFA with e moves to without e-moves Minimization of FSM, Equivalence between two FSM's Moore & Mealy mchines. Tutorial.	[8][9]	Introduction to Automata Theory, Languages, and Computation 3re Edition, by John E. Hopcroft and J Ullman Page No. 60 to 77	Students Stationeries	26107		
5	22 July 26 July	5	2	Introduction to Regular languages and Regular expression Regular set, Regular Expression and Regular languages smaple examples. Regular expression examples. Equivalence and Inter Conversion between Regular Expression and FA. Tutorial	[10]	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 79 to 105	Projector	glot	2910H19 22H	juit
				Sessi	ional I (29	July - 03 Aug)				
. 6	05 Aug 09 Aug	6	2	Identity rules and manipulation of Regular Expression Interconversion of RE and FA. Tutorial: Interconversion of RE and FA. Closure Properities of Regular set and Chomsky Hierarchy. Conversion from RE to RG and Right Linear to Left Linear Conversion from Regular Grammar to FA, conversion for Left to Right linear Grammar Pumping Lemma for Regular Grammar. Tutorial.		Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No.105 to 154	Projector 2	3/08 2	2000	wy





Academic in Charge

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	AC sign
7	13 Aug- 17Aug	5	3	Introduction to CFG and derivation Trees. Left Derivation Tree and Right Derivation Tree Chomsky normal form, Tutorial.	[12][13]	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 157 to 175	Projector			
8	19 Aug- 24Aug	4	3	Greibach normal Push Down Automaton Definition and model Equivalnace of CFL and PDA, Inter Conversion. GNF.Closure Properties of CFL, Pumping lemma for CFL, Introduction to CFL and DPDA.	[14][15] [16]	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 175 to 200, Page No. 200 to 235.	Projector	13/09		2
9	26 Aug 31 Aug		4	Tutorial. Turing Machine: Definition, Model of TM Design of TM, Universal Turing Machine. Tutorial: TM. Computable function, Récursive enumerable language Types of TM's (proofs not required). Linear bounded automata and Context		Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 234 to 380	Projector	18/09		Ju.
10	02 Sept 07 Sept	1	5	sensitive language, Counter machine Decidability and Undecidability of problems, Properties of recursive & recursively enumerable languages. Tutorial.	[18]	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 287 to 337	Projector	19/09		
11	09 Sept 13 Sept	- 5	5	Halting problems and Undecidability of language Post correspondence problem, Ackerman function, and Church's hypothesis. Tutorial.	7	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 287 to 337	Projector	1910		



Dr. Millind Khanapurkar Principal Mahash Kirvi Stra Shishana Sanetha's Lyonias College of Engineering for Women Higha, Nappor 441118.

Academic in Charge

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	AC sign
12 2	16 Sept- 21 Sept	4	6	Recursive Function: Basic functions and operations on them, Bounded Minimalization, Primitive recursive function, μ-recursive function, primitive recursive predicates, Mod and Div functions, Unbounded Minimization, Equivalence of Turing Computable function and μ-recursive function. Tutorial	•	Guest Lecturer		2 6 /09/18	3013119	ful
3				unction. Tutorial	nal II (24 S	Sept- 29 Sept)				

[1]-Creating set: Instruct students to arrange the stationeries in a group.

- [3]-Programming: Instruct students to write a C programming statement and compile it.
- [5]-Demonstration- demonstration of state transition diagram. (Passing objects through a chain of students.)
- [7]-Demonstration- demonstration of e-move. (Passing objects through a chain of students.)
- [9]- Game- students are divided into group and based on current problem definition has to perform minimization activity.
- [11]- ppt and videos
- [13]- ppt and videos
- [15]- ppt and videos
- [17]- ppt and videos

- [2]-Identifying objects: Instruct students to close your eyes and try to identify different objects.
- [4]-Programming: Instruct students to write a C program to understand the finite and infinite languages generated by FA.
- [6]-Demonstration- demonstration of DFA and NFA. (Passing objects through a chain of students.)
- [8]-Game- a game based on treasure hunt, FSM minimization.
- [10]- ppt and videos
- [12]- ppt and videos
- [14]- ppt and videos
- [16]- ppt and videos
- [18]- ppt and videos











Date: 14/06/2019

CCOEW/CE/ 19-20

LESSON & TEACHING DEAN

					LESSON & TEACHING PL	AN				
Faculty	Name: Prof. Pra	asanna Lol	he			Subject: CAO		ODD SE	M (2019-20)	Sem:- 5th
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	17 June - 21 June	5	1	Project Oriented Training				24/06		
2	24 June - 29 June	5	1	Computer Evaluation and Arithmetic: A Brief History of computers, Designing for Performance, Von Neumann Architecture, Computer Components, interconnection Structures.	Animated Videos. PPTS, You tube videos Link	Computer Organization and Architecture by W. Stallings	PPT, Videos on generations. Machine from each generation	25/06 10		Jevjey
3	1 July - 6 July	5	1	Bus Interconnection, Scalar Data Types, Fixed and Floating point numbers, Signed numbers, Integer Arithmetic, 2's Complement method for multiplication.	Binary Addition/Subtraction Using 2's Complement, Practical Assignments	Computer Organization and Architecture by W. Stallings	PPT	01/07		
4	8 July - 12 July	5	1	Booths Algorithm, Hardware Implementation, Division, Restoring and Non Restoring algorithms, Floating point representations, IEEE standards, Floating point arithmetic.	Solving Problems in groups/Pairs., Assignments	Computer Organization by Carl Hamacher Chapter 06 : pg no. 367	PPT,Video on Floating point number representation	08(0) to		A interest
5	15 July - 20 July	5	2	Processor Design:Machine Instruction characteristics, types of operands, types of operations, Addressing, Instruction formats, Processor organization, Register Organization	Animated Videos. PPTS, You tube videos Link	Computer Organization by Carl Hamacher	Blackboard & Chalk PPT,Vedios	15/07 1007	yssign ment 1.	1 1
6	22 July - 26 July	5	2	Instruction cycles, Instruction pipelining, ALU – Combinational ALUs and Sequential ALUs, RISC Architecture.	Fetch-Decode-Execute, Solving problems in groups	Computer Organization by Carl Hamacher	Blackboard & Chalk PPT, Videos	26/07 10 24/07		

	1	1	,							
WEE K No.	Week	No. Of Lect.	No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
7	29 July-03 Aug					Sessional I				
8	05 Aug- 09Aug	6	3	Single Bus Organization, Control Unit Operations: Instruction sequencing, Micro operations and Register Transfer.	Exersise in class, Animated Videos	Computer Organizatio by Carl Hamacher pg no : 411-445	n Blackboard & Chalk PPT	05/08		
9	13 Aug -16 Aug	5	3	Hardwired Control : Design methods – State table and classical method, Design Examples - Multiplier CU,Micro-programmed Control	Case Study of designing CU	Computer Organization by Carl Hamacher pg no: 411-445	Blackboard & Chalk PPT	वाछ		
10	19 Aug -23 Aug	g 4	4	Microinstructions and micro- program sequencing Characteristics of memory systems. Internal and External Memory, Types of memories.	Google Search on the topic and submission group wise	Computer Organization by Carl Hamacher pg no: 291 to pg no 313	Blackboard & Chalk PPT,	08/08		
11	03 Sep-08 Sep	6	4	High-Speed Memories: Cache Memory, Organization and Mapping Techniques, Virtual Memory,Segmentation, Paging, Address Translation	Google Search on the topic and submission group wise	Computer Organization by Carl Hamacher pg no : 314-344	Blackboard & Chalk PPT,NPTEL references	bles		
12	26 Aug -31 Au	g 5	5	Secondary Storage. Input/Output Systems, Programmed I/O, Interrupt Driven I/O, I/O channels, Direct Memory Access (DMA), Buses and standard Interfaces.	hands on Implementation of Hard disk and Storage.	Computer Organization by Carl Hamacher pg no : 203	NPTEL references	14/08 14/08		
13	03Sep-07 Sep	5	5	Working mechanisms of Peripherals: Keyboard, Mouse, Scanners, Video Displays, Touch Screen panel, Dot Matrix, Desk-jet and Laser Printers.	Case Study of working mechanism of printer,scanner,mouse,Keybo ard	Computer Organization by Carl Hamacher pg no :553	NPTEL references	21/0g		
14	09 Sep-13Sep	5	6	Superscalar Processors, Multiple Processor Organizations, Symmetric Multiprocessors, Clusters, Non-uniform Memory Access, Vector Computations, Bus allocation Schemes.	Case Study on working mechanism	Computer Organization by Carl Hamacher pg no: 617-656	NPTEL references	1000 10109		





-	-	-				44				
WEE K No.		No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
15	16 Sep -21 Sep	5	6	RISC Instruction execution characteristics, use of large register file, compiler based register optimization, RISC architecture, pipelining. RISC vs. CISC	Case Study on working mechanism	Computer Organization by Carl Hamacher pg no: 617-656	Chalk and Board	19/09		
16	24 Sep-30 Sep				Session	nal II		•		



Dr. Millind Khanapurkar Principal Mahash Kare Stra Shishan Saeshi's Ivenias College of Engineering to Wossen Mogra, Nappor 441118.

15mg



Cummins College of Engineering for Women

Sharpening Engineering Acumen with a difference NAAC Accredited



Approved by AICTE, New Delhi & DTE, Mumbai Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Academic year

2018-19

■ Tel. No.: 9657667030 ■ E-mail: office@cumminscollege.edu.in,

website: www.cumminscollege.edu.in



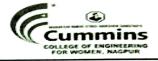






Maharsh Karve Stree Shikshan Samst p's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE / 18-19

E

Date: / / 2018

LESSON & TEACHING PLAN

				CUMMINS COLLEGE	OF ENGINE	ERING FOR WOM	IEN, NAGPUR			
Faculty	Name: Prof.	. Pravin G	orantiwa	г		Subject: Applied Maths III		SEM III C.E	E. (2019-20)	Sem:- ODD
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	24 June- 29 June	6	IV	MATRICES Linear Transformations, Orthogonal Transformations,Linear dependence of vectors,Characteristics equation, Eigen values and Eigen vectors,Reduction to Diagonal form	Dividing students into group and Solving different example	Engineering Mathematics Shobhane & Tembhekar 2.41 to 2.59	Using PPT Diagonalisation of matrix	29-6.19		
2	01 July- 06 July	6	IV	Cayley Hamilton Theorem [without proof],Reduction of Quadratic form to Canonical form by Orthogonal transformation, Sylvester's theorem [without proof],	Dividing students into group and Solving different example	Engineering Mathematics Shobhane & Tembhekar 2.70 to 2.72	Steps to find out Caley Hamilton Theorem using animated video	05.0719		July
3	08 July- 13 July	5	IV	Solution of Second Order Linear Differential Equation with Constant Coefficients by Matrix method. Largest Eigen value and Eigen vector by Iteration method.	Solving example	Engineering Mathematics Shobhane & Tembhekar 2.73 to 2.81		05.07.19	05-07-19	Jeily







WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
4	15 July- 20 July	6	II	FOURIER TRANSFORM: Definition and Properties (excluding FFT), Fourier Integral Theorem, Relation with Laplace Transform, Applications of Fourier Transform to Solve Integral Equation.	Solving example	Higher Engineering Mathematics B.S. Grewal 836 to 851	Application of fourier transform using Video			
5	22 July- 27 July	5	Ш	Z-TRANSFORM Definition, Convergence of Z- transform and Properties, Inverse Z-transform by Partial Fraction Method	Solving example	Higher Engineering Mathematics B.S. Grewal 866 to 885	PPT used for Z transform and inverse formulae	20,07-36	20087-19	July 1
9	29 July- 03 Aug					Sessional I		1		y
6	05 Aug- 10 Aug	5	III	Power Series Expansion, Convolution of two sequences, Solution of Difference Equations with Constant Coefficients by Z-transform method.	Solving example	Higher Engineering Mathematics B.S. Grewal 866 to 885	Steps to find out inverse Z transform using animated video	260719		Jew ter
7	12 Aug- 17 Aug	5	V	THEORY OF PROBABILITY Axioms of Probability, Baye's Rule,Random variables,Discrete Random variables,Continuous random variables, Probability function,Distribution function,Joint distributions	Solving example	Shobbana &	PPT used for Random variable and Using video explaining Bay's rule	13.08.19	07.08.19	
8 Facu	19 Aug- 24 Aug	5	V/VI	Independent Random Variables,Conditional Distributions MATHEMATICAL EXPECTATION & STOCHASTIC PROCESS Mathematical Expectation, Variance,Standard Deviation	Solving example	Engineering Mathematics Shobhane & Tembhekar 11.8 to 11.38	- drilet	21.68.19) July
iact	y Ci	iai 86		hogper-441/18 #		Dr. Millind Khanağu Principal Maharshi Karve Stres Shiksha Turnnina College of Engineerin Hingsa, Nagsur-44111	HOD		J	C

3	WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign	
SEN	10	26 Aug- 31 Aug	6	VI	Moments,Moment generating function,Covariance & Correlation Coefficient,Conditional expectation,Stochastic process,Bernoulli and Poisson process	Solving example	Engineering Mathematics Shobhane & Tembhekar 12.1 to 12.25	PPT used for mathematical exceptation and Using video explaining mean and variance	- 1			
V VI III V VI	11	02 Sept- 07 Sept	6	I	Laplace Transform Introduction , Defination, L- T of some elementary function Change of scale property,Properties of L-T, Shifting property,L-T of derivative, L-T of integrals,		Engineering Mathematics Shobhane & Tembhekar 4.1 to 4.7	PPT	11.00.79		Jul per	_
VIII	12	09 Sept- 14 Sept		I	multiplication by t,Division by t,Inverse L-T, Method of partial fraction,Convolution theorem(Statement Only),(statement only)	Solving example	Engineering Mathematics Shobhane & Tembhekar 4.8 to 4.25	PPT/video used for properties	18.02	73	Shirt	
	13	16 Sept- 21 Sept		I	L.T.Inverse Using properties and standard result finding ,Unit Step Function ,L-T of Periodic Functions ,Application of L.T to solve differential equations ,Integral equation Simultaneous Differential Equations,Integro-	Solving example	Engineering Mathematics Shobhane & Tembhekar 4.33 to 4.55	PPT/video used for finding inverse by convolution theorem	27.0	. 19	kaidik	, d.
V 11	12	23 Sept- 28 Sept					Sessi	onal II			Dr. Millind Khan Principa Maharah Karva Stres Salth Lumnins Cilippe of Expire Wingsa, Nagport	napurkalf al ikshan Sajetha's seeing for Bossen -44118.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE / 19-20

Date: / / 2019

LESSON & TEACHING PLAN for Concpets In Computerr Engineering

				Departi	ment of Com	puter Engineerir	ng			
aculty	Name: Prof.	Sakshi K	hamank	ar				Year :	2019-20	Sem:- 3'rd
NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
				Introduction of Subject		•		25 6/19		_
	24 June-			Description of computer input units	collect info	VR-Chpt3-pg-31-	Images of i/p and o/p	26/6/19		/
1	29 june	6		other input methods	about more	35	devices shown	271 6/19		July
	2) june			computer output units,types of	devices &	VR-Chpt3-pg-36	Images of printers	28/6/19		2/3/19
			4	printer,plotter	MCQ	VR-Chpt3-pg-39-	shown	2016/19		2/3/11
				types of printer, plotter .	demo given in	VR-Chpt3-pg-42		117/19		
	1 July-6	_	1 -	Memory cell, memory	CC lab with	VR-Chpt4-pg-46-	Related topics pdf & ppt	217/19		
2	July	5	1	organization,	the help of	51	will show	3/7/19		
				read only memory, Serial access memory	Gupta Sir.	VR-Chpt4-pg-51		417/19		/
	-	-	4					5 7 19		1 ilul
				physical devices used to construct memory i)semiconductor flip-flop	demo given in	VR-Chpt4-pg-55-	Images of disk,CD-rom	51719) July
	8 July-14				CC lab with	61 .	devices shown	617119	•	1819
3	July	5		Magnetic Hard Disk ,floppy disk	the help of	VR-Chpt4-pg-	D. L. L	8/12/19		
				compact disk read only memory	Gupta Sir.	VR-Chpt4-pg-67 VR-Chpt4-pg-	Related topics pdf & ppt will show			
_	-	-	+	magnetic tape drives,DVD	to collect	1 10		1917119	ista	
				First generation computers	4	VR-Chpt12-pg-250		11 13/19	1st Assign	\rightarrow
	15 July-	_		second generation computers,	information about it.	VR-Chpt12-pg-251	generation of computer	15/3/19	reago	()
4	20July	5		third generation computers,	about it.	VR-Chpt12-pg-252	and its details shown on	1817/19		Tilly
	200413			fourth & fifth generation ,computers	4	VR-Chpt12-pg-253		18 3-119		13/10/19
			_ 2	Moore's Law	MGOL	VR-Chpt12-pg-256		181719		12/3/1
	22.July-			classification of computers	MCQ's	VR-Chpt12-pg-258 260	Related topics pdf & ppt	1917119		
5	5 22July- 26July	4		parallel computers distributed computer	1	VR-Chpt12-pg-261		2217/19)
	200 tily			system			1	2317/19		

College Hingna,

Kondin

Dr. Millind Khanapurkar Principal Maharsh Karve Stree Shikshan Saneth Lumnina College of Engineering for Work Woman Namer 441118

Faculty in Charge

HOD

WEE No.	K	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign	
	1				Structure of instructions	Task given to	VR-Chpt5-pg-78		24/3/19		12 11-124	_
	151	Aug-9	[Description of processor	write	VR-Chpt5-pg-82	Related topics pdf & ppt		1	Stope	_
7	1	Aug	5		a machine language program	instruction	VR-Chpt5-pg-86	will show	2017/19		15	_
				3	Algorithms, Flowchart		VR-Chpt1-pg-2-8		518119		1/	_
	1				Why programming languages,	to collect	VR-pg-170 EB-333		6 8 19		1	_
					. Generation of Programming	information	EB-Chpt13-pg-336		718119		 	
8		Aug-	5		2'nd generation of language	about it.	EB-Chpt13-pg-337		\$ 18119		1	
-	17	7 aug			3'rd generation of language		EB-Chpt13-pg-338		1318119		1 1/1/2	4
				2	4'th & 5'th generation of language		EB-Chpt13-pg-339		14/8/19	2nd Assign	1 Kur	\rightarrow
	1			3	Characteristics of good programming	Task given to	EB-Chpt13-pg-340		16 8 119		110-	_
	1			1	Factors affecting the choice of languages	write program	EB-Chpt13-pg-347		17/8/19			_
9	- 1	9 Aug-	4	1	dayalaning a program		EB-Chpt13-pg-349	1	1918119		/	_
1	2	3 Aug		1	developing a program		352		1918119		-	_
1	1			1	Introduction HTML, Python		Internet		2018119			_
					troduction, Types of Computer Softw	a	EB-Chpt10-pg-214		21 18 119			-
	1	26 Aug-		1	System Management Programs		EB-Chpt10-pg-215		2218119			\neg
1	1	_	1 5	1	System Management 1 regimes	4	EB Ch = (10 = =		23/8/19		dile	\exists
		31 Aug		4	System Development Programs	MCQ's	EB-Chpt10-pg- 217,219	Related topics pdf & ppt			1 July	П
				٦ أ		-	EB-Chpt10-pg-224	& Videos will show	27/01/19		10	٦
			_		Unique Application Programs	\dashv	EB-Chpt10-pg-228		319119			
1	1	2 Sept-7	7 5		Problem Solving tructuring the logic, using the Compu	+	EB-Chpt10-pg-228	1	4/3/19			
'	•	Sept			Need of operating system		VR-Chpt10-pg-196	1	(19119			
				\dashv	Need of operating system	┥	EB-Chpt11-pg-254		7/9/19		/	
					types of operating systems		& VR-Chpt10-pg-		Ollele			_
		9Sept-	5	5	history & Open source software	1	open source			38d Assignt	. /	_
	12	13Sept		3	Free software & Free software license	collect info	technology by		1119119	J		_
	1	•			Proprietary Vs. Open source Licensing		K.Vadhera pg-	,	17/9/19			4
\vdash	-		-	-	FOSS, GNU project.	devices &	1,9,12,13,16,20,36,107		181911		Mila	4
					Representation of Image & moving	MCQ	VR-Chpt16-pg-372	2	1919119		11-4	+
		16 Sept			Compression of video data, MPEG		VR-Chpt16-pg-374	1-	2013119		U	_
	13		1 5	6	Acquiring and storing audio signals,		VR-Chpt16-pg-372	-	2119119			_
		21 Sept	1	0	Compression of audio signals,		VR-Chpt16-pg-378		24/9/19			_
	1				Audio signalprocessing & speech		VR-Chpt16-pg-37		24/91/9			
-	14	25 :	Sept-29	Sent			Sessio	nal II				_
	14	43	осре 27 1	- Pr	College of Congress		Kinlind	llity -				
		Faculty Inc	harge		Hingna, Bopper 441111		Dr. Millind Khanapurkar	Acedinic Co_ordinator				
		1 1	M		V. J. J. J. J. J. J. J. J. J. J. J. J. J.		Principal Maharshi Karve Stree Shikshan Sanetha's Jummins College of Engineering for Woosen Winnes Namery (41118)	U				
F	acu	ilty in	" Charge				подна падамен (1118)	HOD				



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Date: / /

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR

	Faculty Name: Prof. S.Khamankar	Subject: C-La	ıb- I		for	Departi	nent:CE				
		Ва	tch B1(Thu	ır)	Ва	Batch B2(W		1	Batch B3(Fi	ri)	
Pi	Name of experiment	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva	AC's Remark
print	possible Variations used	print	fill	fill	print	fill	fill	print	fill	fill	fill
	To demonstrate HTML with different tags										
2	To demonstrate HTML with setting color	27/6/19	2716119	10	26/6/19	26/6/19	-6	28/6/19	28/6/19	10	7
3	To demonstrate HTML by Ordered List	4/7/2019	417119	12	3/7/2019	317119	8	5/7/2019	517119	12	
4	To demonstrate HTML by Tables	11/7/2019	1117119	10	10/7/2019		10	12/7/2019	1917114	11	7.
5	To demonstrate HTML by image as background	i8/7/19	1817119	12	17/7/19	1249	12,	19/7/19	1917-119	9	July
6	To demonstrate HTML by hyperlinks	25/7/19	25/7/9	, 7	24/7/2019	Dulas	14	26/7/19	26/7/9	14	0
7	Write a program to demonstrate "Website Login Form" in HTML	8/8/2019	81819	10	31/9/19	718/19	13	2/8/2019	1618119	13	
8	 Create a Web page having Main Frame along with three Sub Frames(Windows) 	h 22/8/19	24819	13	7/8/2019	141814	12	9/8/2019	5/9/19	/8	
9	Develop a web page to play video file using <embed/> Tag.	29/8/19	5/9/10	12	14/8/2019	21819	11	16/8/19	519118	17	Yewhen
1	To DemonstrateHTML document by using CSS	5/9/2019	15/919	15	21/8/2019	41018	14	23/8/19	rolalb	19	

Subject -Teacher

Kingro, Hogper-44111

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikahan Sanetha's Junnius Cilligar of Engineering for Women Acedmic Co_ordinator

				-						
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's
	23 July - 28 July	6		code converters, characteristics of display devices, standard configuration of gates as SI/MSI/LSI circuits. Tutorial.		Modern Digital Electronics by R P Jain, chap-6,256-268	web	23 July 40 26 July		Zjêi
7				Sessional I (06 Aug- 10Aug)						.)
8	Aug-15 Aug	5	3	K- Map, simplification of sum of products and products of sum. solution to problems using K-Map.		Modern Digital Electronics by R P Jain, chap-5,173-192	web	27 jeg.		7
9	13 Aug- 17Aug	4	3	conversion of Decoders / MUX into one another Use of MUX as function generator. Tutorial.		Modern Digital Electronics by R P Jain, chap-6,231-238	web	13 Aug to		
10	19 Aug- 23Aug	5	4	Introduction to Flip Flop, Loathers, concept of clock. Tutorial.		Modern Digital Electronics by R P Jain, chap-7,279-280	web	20 Aery. 27 Arry		dis
11	26 Aug- 31 Aug	5	4	Memories organization with Flip Flop as basic cell, Ram, RCM,		Modern Digital Electronics by R P Jain, chap-7,281-299	web	26 Acry .		
12	2 sep- 7 Sept	5	5	Excitation tables & introduction to sequential circuits. Counters-Synchronous/Asynchronous. Different modular counters with		Modern Digital Electronics by R P Jain, chap-8,312-390	web	rsep to 7sep)
13	09 Sept- 13 Sept	5	6	Arithmetic Circuits – Adders, sub tractors, (Half & Full). BCD adder / sub tractor, Concept of ALU and its design.		Modern Digital Electronics by R P Jain, chap-6,246-252	web	es scel to posept		Juil
			l	deliverage of Ingline	Km	dind [}











_
49
A
41

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
14	16 Sept- 21 Sept	5	6	Integrated circuits version of multivibrators and their design parameters. Tutorial.		Modern Digital Electronics by R P Jain, chap-6,246-252	web	16 sept -		Ztu!
15 1	25 Sept- 29 Sept				Sessional l	I (24 Sept- 29 Sept)				





Faculty in Charge

HOP



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan Sem. I

25/6/2018

		CUMMIN	ș COLLEG	E OF ENG	INEERING	FOR W	OMEN, N	AGPUR			23/0/2018	
aculty N	lame: Shailesh Sahu		Subject: Dig	ital Electroni	cs	for	Depart	tment: Com	puter Eng	ineering	Sem	- 3rd
				Batch B3			Batch B2			Batch B1		
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva	Planned Date	Perform Date	No. of Viva	HoD's Remark
print	print	possible Variations used	print	fill	fill	print	fill	fill	print	fill	fill	fill
1	To verify the truth table of basic gate using IC.		24-04-18	26/06		28/6/1 8	27/06		27/6/13	28/06		
2	To verify the truth table of universal gate using IC.		<u>0.8</u> /7/1 4	03/07		19/7/18	04/07		20/7/13	05/07		
3	To verify De-morgan's first and second law.		08-07-19	10/07		08-0 7 -1 8	11/8		17/8/18	PE/07		
4	To study half adder and full adder circuit using logic gates and verify its truth table.		29/8/1 8	17/08		30/8/1 8	18/08		31/8/18	P6108		Ju
5	To study half subtractor and full subtractor circuit using logic gates and verify its truth table.		29/8/18	24/08		30/8/1 %	25/08		09-0 7 -1 9	23/03		
6	To Study the JK Flio-Flop.		(3) -0 § -18	20108		09-0 § -1 8	3018		14/9/18	25/08		
7	To verify BCD to 7 segment display.		09-05-18	25/08		09-06-18	3013		14/9/19	25/08		







8	To study SISO shift registor							
	performing right shift.	09-02-14	1/09	10-09-18	02/09	21/3/123	30lg	
	To verify Multiplexer (MUX) and Demultiplexer (DMUX) circuits.	09-12/19	1109	10-04-18	anlog		001	(his less
	To verify operation of decimal to BCD priority encoder.	19/3/1	9 09 09	10-04-18	98/09	21/9/18	21/09	1





Faculty in charge

Miles HOT



CCOEW/CE / 19-20

Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



Date: 14/06/2019

LESSON & TEACHING PLAN for ICN

aculty	Name: Pro	f. Suruc	hi Kite	y		iter Engineering		Section	(2010 20)	T.
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment /Tutorial Date	Sem:- Third
1	24/6/19- 29/6/19	6	I	Training and Introduction about Subject.Data and Signal,Bandwidth,Data Communication – Components, Data Representation, Data Flow,Networks -Network Criteria, Physical Structure (Types of Connection, Physical Topology).Categories of Network (LAN, WAN, MAN),Interconnection of Network		Data Communications and Networking by Behrouz A Forouzan Pg. no.3 ,29-50,89	,	25 5/19 26 5/19 27 5/19 28 5/19 29 5/19		} file
2	1/7/19 - 6/7/19	6		,Internet, Protocols and Standards,Network Model – Layered Tasks,The OSI Reference Model, Introduction to TCP/IP Protocol Suite,Addressing – Physical, Logical,Specific Port Addressing ,Specific Addressing	A. 1·1	Computer Network By Andrew S. Tanenbaum Pg No. 3-237	Video lecture and Chalk Board	2/7/19 3/7/19 4/7/19 5/7/19 9/7/19		Juiter







WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment /Tutorial Date	AC's sign
3	8/7/19 - 12/7/19	4		Physical Layer: Physical Layer Objectives,Transmission Media – Wired and Wireless,Switching – Circuit switching Network		Data Communications	PPT, Chalk,Board	10/7/19 18/7/19 18/7/19 19/7/19	N-1 11)7)19	7
4	15/7/19 - 20/7/19	6	11	Datagram Network, Virtual Circuit Network, Tutorial. Digital Transmission, Digital to Digital Conversion, Analog to Digital Conversion, Analog Transmission,	A. 1·2	and Networking by Behrouz A Forouzan Pg no.101-129,141-155	PPT, Chalk,Board	20/7/19 23/7/19 23/7/19 24/7/19 20/7/19		Jaim ,
5	22/7/19 - 26/7/19	5	III	Analog ConversionData Link Layer "Design Issues of Data Link Layer,Framing," Logical Link Control Protocols for Noiseless Channel Protocols for Noisy Channel Stop-and-Wait ARQ,		Data Communications and Networking by Behrouz A Forouzan Pg. no 307,312,318,324,332	Video lecture and Chalk	25 7119 29 7119 05 8 19 6 8 13		Jeim
6	29/7/19 - 3/8/19				Se	essional I				
7	5/8/19- 9/08/19	5	III	Selective Repeat ARQ,Multiple Access Control,Random Access Protocols (ALOHA, CSMA, CSMA/CD, CSMA/CA) IEEE Standard 802 for LAN – 802.3,802.4, 802.5		370,373,377, 395	board	0718119 13)8119 1418119		Justy -







WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment /Tutorial Date	AC's sign
8	12/08/19- 17/08/19	4		"Network Layer Need for Network Layer, Internet as a Datagram Network" Logical Addressing Classfull Addressing in IPv4	A·1·3	Data Communications and Networking by	ppt,chalk board	2018119 21/8/19 22/8/19 24/8/19	A-II 14)8119	July
9	19/08/19- 23/08/19	5	IV	Routing – Routing Algorithm Distance Vector Routing, Link State Routing		Behrouz A Forouzan Pg. No. 549	Video lecture and Chalk Board	26 8 19 27 8 19		July
				Congestion and Congestion Control Open Loop, Closed Loop			ppt,chalk board	3/9/19		
10	26/08/19- 31/08/19	1 6		and Networking by		Data Communications and Networking by	Video lecture and Chalk Board	419119 579119 719119 1019119		futy
11	2/09/19- 7/09/19	5	Traffic Shaping policies lec		PPT,Video lecture and Chalk Board	17/9/19		July		
				User Support Layers – Session, Presentation, Application				1819119		





				***		-1.00				
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment /Tutorial Date	AC's sign
12	9/09/19- 13/09/19	4	VI	Session Layer – Introduction Presentation Layer – Data Compression Network Security and Privacy – Introduction to Cryptography(Symmetric and Asymmetric),	A.1.5	Data Communications and Networking by Behrouz A Forouzan Pg.	lecture and Chalk Board	19/9/19 21/9/19 21/9/19	A-3 12/9/19	Julie
13	16/09/19- 24/09/19	1 5		Digital Signature Authentication (Message and Entity) Application Layer – Domain Name System, Electronic Mail, Architecture of Browser	A-1.6	No. 799		23/9/19 23/9/19 24/9/19		
14	38/ 9/19 -	6				Sessional II				







CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



Date: 14/06/2019

CCOEW/CE/ 19-20

LESSON & TEACHING PLAN

Faculty	Name: Prof. Pra	sanna Loh	ie			Subject: PMDS		ODD SE	Sem:- 3th	
WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	17 June - 21 June	5 1 1		Grp Discussion/Google Serach/ You tube Videos/Assignments	Let us C by Yashwant kanetkar, Chapter no1 Page no. Ito 11	Chalk and Board/PPT/Videos	29106 bo 03107		Jinter	
2	24 June - 29 June	5	1	Loop control statements, Arrays One dimensional & Two-dimensional array. Functions – Definition, call, prototypes, block structure, external variables. Recursion	Assignment/ Problem Solving practice	Let us C by Yashwant kanetkar, Chapter no3 Page no. 97 to 121	Chalk and Board/PPT/Videos/Li ve Execution	06/07 107		0
3	1 July - 6 July	5	2	Storage Classes – extern declaration and information hiding. Pointers – Address and indirection operators, Pointer arithmetic – Functions and pointers	Presentation/ grp Discussion/Live examples	Let us C by Yashwant kanetkar, Chapter no6 Page no. 223 to 233	Chalk and Board/PPT/Videos	16/67 17/07		
4	8 July - 12 July	5	2	Arrays and pointers –Strings and pointers –Multi- dimensional arrays and pointers – Pointer arrays – Pointers to functions	Presentation/ grp Discussion/Live examples	Let us C by Yashwant kanetkar, Chapter no 10 Page no. 363 to 383	Chalk and Board/PPT/Videos	18107 18107	Assignment no·ol	> fuite
5	15 July - 20 July	5	3	Dynamic memory management. Structures – Variables. Accessing members, Assignment and nesting – Pointers to Structures – Structures and functions – Structures and arrays – Structures containing pointers – Unions	Videos/Assignmment/Proble m Solving Practice	Let us C by Yashwant kanetkar, Chapter no10 Page no. 363to 383	Chalk and Board/PPT/Videos	40. 52102		
6	22 July - 26 July	5	3	Introduction to data structures, Searching and sorting techniques-Linear search, Binary search, Indexed search,	Gooogle Search data collection/ Aniamted Videos/Assignments	Fundamentals of Data Structure by horowitz and Sahani Chapter No 1	Chalk and Board/PPT/Videos/Li ve Execution	108 108		

Su.

College of Englisher & Barrier & Bar

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha'i 'umnias College of Expinenting for Money Mingan Nappur-41118.

HOD

Faculty in Charge

WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
7	29 July-03 Aug					Sessional I				
8	05 Aug- 09Aug	6	3	Insertion sort, selection sort, Bubble Sort, radix Sort, Merge Sort, Hashing, Collision resolution policies.	Gooogle Search data collection/ Aniamted Videos/Assignments	Fundamentals of Data Structure by horowitz and Sahani chapter no 7	Chalk and Board/PPT/Videos/Li ve Execution	14/eg		
9	13 Aug -16 Au	g 5	4	Stack and queue - Array representation of stacks, Queues and Dequeue, Circular queue, Polish notation, Implementation of stack using arrays,	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Fundamentals of Data Structure by horowitz and Sahani Chapter No 2	Chalk and Board/PPT/Videos/Li ve Execution	16/28		
10	19 Aug -23 Au	ıg 4	4	Application of stack & queue: Conversion from Infix to Postfix, Evaluation of postfix expressions, Priority QueuesLinked list-Singly linked list. Operations on linked list, Searching, Insertion, Deletion	Live Example/Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Fundamentals of Data Structure by horowitz and Sahani Chapter No 3	Chalk and Board/PPT/Videos/Li ve Execution	16/08 16/08		
11	03 Sep-08 Se	р 6	5	Linked list- Singly linked list: Operations on linked list, Searching, Insertion, Deletion, Doubly linked list,	Videos/Assignments/Roll odel/ Chart Preparation	Fundamentals of Data Structure by horowitz and Sahani chapter No 4	Chalk and Board/PPT/Videos/Li ve Execution	23/03 23/08		
1:	2 26 Aug -31 A	ug 5	5	Operations on doubly linked list, Sorted Linked List, circular list, , sparse matrix storage using linked list	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Fundamentals of Data Structure by horowitz and Sahani chapter No 4	Chalk and Board/PPT/Videos/Li ve Execution	24/08		
1.	3 03Sep-07 Se	ep 5	6	Trees- Definition, Binary Trees, Binary tree Traversal, Pre-order, In order, Post Order Expression trees,	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll	Fundamentals of Data Structure by horowitz and Sahani chapter no	Chalk and Board/PPT/Videos/Li ve Execution	26/08		
1.	4 09 Sep-13Se	ър 5	6	Balanced Binary Trees . Different tree traversal algorithms, Graphs - Mathematical Properties, Degree, Connectedness, Directed Graphs, Directed Acyclic Graph,	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Fundamentals of Data Structure by horowitz and Sahani Chapter No 5	Chalk and Board/PPT/Videos/Li ve Execution	80/No		
1:	5 16 Sep -21 Se	ер 5	6	Representation of Graphs and Applications: Adjacency matrix, path matrix, Linked Representation of a graph, Graph traversal - DFS & BFS, Shortest path,	Gooogle Search data collection/ Aniamted Videos/Assignments/Roll odel/ Chart Preparation	Fundamentals of Data Structure by horowitz and Sahani chapter no 6	Chalk and Board/PPT/Videos/L ve Execution	1709 23109	المنديا	, d
1	6 24 Sep-30 Se	p			Sessio	Onal II			Dr. Millind Kha Princip Maharah Karra Strae S	al



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan Sem. III

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR

Date: 24/ 06 / 19

culty Na	me: Mr. Prasanna Lohe				Subject:PMDS		for		Department: Comp	uter Engineering	
			Batch B1			Batch B2			Batch B3		
Pi	Name of experiment	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remai
print	print	print	fill	fill	print	fill	fill	print	fill	fill	fill
P1	Write a C Program to perform various Arithmetic, Logical, Relational Operations on two Operands.	26-06-19	26106		28-06-19	28106		27-06-19	27106		2
P2	Write a menu driven program using Switch statement.	03-07-19	03107		05-07-19	05/07		04-07-19	04/07		(34
P3	Write a C program to illustrate the use of Loop control structure.	10-07-19	10107		12-07-19	19107		11-07-19	11107		
P4	Write a C program to Illustrate the Concept of Different Function calls	17-07-19	17107		19-07-19	26/07		18-07-19	18107		
P5	Write a C program to Illustrate the Concept of String	24-07-19	24107		26-07-19	08/08		25-07-19	25107		J
P6	Write a C program to Illustrate the Concept of Structure	31-07-19	01/08		02-08-19	0108		01-08-19	19/09		
			-								

09-08-19

16-08-19

23-08-19

Dr. Millind Khanapurkar Principal Maharah Karva Stree Shikkana Sanetha's 'unnies College of Engineering for Women Ngan, Naport-43110

July

1 //4

19/09

19/09

26109

08-08-19

22-08-19

29-08-19

aculty in charge

binary Search

Bubble Sort

arrays.

Write a program to search thegiven

element using 1. Linear Search 2.

Write a program to sort the given

element using 1. Selection Sort 2.

To write and execute a program for

implementation of Queues using

07-08-19 14/08

14-08-19 21/08

21-08-19

04/09

Hingma,

Nogper-441118 =

Page 1

09/08

00/08

13/09

operations on STACK	P10	To write and execute a program in C for performing PUSH and POP operations on STACK	28-08-19	11/09		30-08-19	26/09		05-09-19	nelog.		
---------------------	-----	---	----------	-------	--	----------	-------	--	----------	--------	--	--

Hingma,

Dr. Millind Khanapurkar Principal Maharsh Karve Stree Shikshan Sanetha's 'venoles College of Expineeing for **Wonsen** Hingha, Nagpur-441118.

Subject Incharge



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acamen with a difference



Lab Practicals Plan Sem. V

Date: 12 / 06 / 19

		CUMMIN	S COLLEG	E OF ENG	INEERING	FOR WON	IEN, NAG	PUR			
	Puef Surushi Vitov	COMMI			Subject: CG		for	Dep		omputer Eng	rineering
Facul	ty Name: Prof. Suruchi Kitey		Batch B1			Batch B2			Batch B3	1 1 \ Gum	
Pi	Name of experiment	Planned	Perform Date	No. of Viva	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	AC's Remark
P1	To study the various Computer Graphics functions.	Date 25/6/19	25/6/19	20110	24/6/19	25/6/19		26/6/19	26/6/14		
P2	Write a program to generate a line using DDA Algorithm.	07-02-2019	2/7/19		07-01-2019	117/19		07-03-2019			/ feity
P3	Write a program to generate a line using generalized Bresenham's algorithm.	07-09-2019	917119		07-08-2019	817/19		07-10-2019	1077/19		
P.	Write a program to generate a circle in clockwise direction with center at origin and radius R.	16/7/19	16/7/19		15/7/19	15/7/19		17/7/19	17/7/19		7
PS	To study 2-D Graphics Primitives and Write a program to draw a HUT using Graphics Primitives.	23/7/19	23/7/19	1	22/7/19	22/7/19		24/7/19	24/719		Tuky
Pé	Write a program to fill the polygon using	08-06-2019	13/8		08-05-2019	518		08-07-2019	718		
P	Write a menu driven program for 2-D transformations(translation,scaling).	20/8/19	20/8		19/8/19	1318		21/8/19	1418		7
Р	Write a program to implement a 2-D Rotation.	27/8/19	27 8		26/8/19	1918		28/8/19	2118		> July
Р	Write a program to implement mid- point subdivision line clipping algorithm	09-10-2019	03/9		09-09-2019	2618		09-11-2019	419	1. 210	

Hingna, Hopper-441118

Dr. Milind Khanapurkar Principal Maharsh Kare Stee Shinkan Sansha's Tunnias College of Expineering for Women Hopps, Napor Adaptive Subject Incharge

aculty in charge



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE / 19-20

Date: 14 /06 / 2019

LESSON & TEACHING PLAN for CG

				Depar	tmnet of Com	puter Engineering				
Faculty	/ Name: Pro	f. Suruch	Kitey					Session	n: (2019-20)	Sem:- Fifth
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
1	24/6/19- 29/6/19	6		Geometry and line generation: points, lines, planes, pixels,frames buffers, types of display devices		Procedural elements for	Chalk board	25 6119 26 6 119 27 6 119	3	7 / July
2	1/7/19 - 6 I DDA and Bresenl line go 8/7/19 - 4 Bresenham's algo generation, aliasing tech		DDA and Bresenham's algorithms for line generation	A.1.2	computer graphics by David F. Rogers, Mc-Graw Hill. Pg.No. 6,7,8,66,70,74,75,79,88,142-	Chalk board	177119, 213141 5,5/7119)	
3				Bresenham's algorithm for circle, ellips generation, aliasing, anti-aliasing and its techniques		151	Chalk board	8,9,10	11/7/19	of what
4	15/7/19 - 20/7/19	6		Graphics primitives: Display files, algorithms for polygon generation	A·1.1	Procedural elements for	Chalk board,PPT	18/7/19 19/7/19 14/7/19 20/7/19		O .
5	22/7/19 - 26/7/19	5	11	polygon filling algorithms: Simple ordered Edge list, Edge fill, Fence fill, Edge flag,Seed fill, Scan line Seed fill, NDC	A-1-6	computer graphics by David F. Rogers, Mc-Graw Hill.	Chalk board	22/7/19 23/7/19 23/7/19 24/7/19 25/7/19 29/7/19		July
6	29/7/19 - 3/8/19					Sessional I		11,717		
7	5/8/19- 9/08/19	5	II	operations on segments,data structures for segments and display files,window		Pg. No. 3,137- 142,115,118,121,,126,131,1 33,		5-/8/14		





	No.	Week	No. O	f Unit	Exact Topic Name & Subtopic	Activity/ Teaching Ald	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
	8	12/08/19 17/08/19		111	viewport, viewing transformations, Cohen- Sutherland		Procedural elements for computer graphics by	Chalk board/PPT	7/8/19 8/8/19 20/9/19	A-2 1318	
	9	19/08/19- 23/08/19	5	111	Cyrus-Beck Algorithm,Mid-point subdivision,Polygon clipping(Sutherland- Hodgeman),scaling,Translation	1./	David F. Rogers Pg.No. 63,175,177,181,187,192,19 6,253	Chalk, board	918/19 13/8/19 14/8/19		
		23/08/19		IV	Hodgeman),scaling,Translation	A-1 - 9	Computer Graphics by	Chalk, board	16/8/19 14/8/19 20/5/19		2
	10	26/08/19- 31/08/19	6	IV	Rotation,Reflection,Shearing,Rotation about arbitary axis,parallel, perspective and isometric projections	A-1-3	Udit Agrawal	Chalk, board	21 8 19 22 5 19 22 5 19 23 9 19		
		5 2/09/19- 7/09/19	9-		Painter's, Z-buffer, Warnock's, Back-face Removal algorithm, Methods of interpolation, Bezier and B-splines		Procedural elements for computer graphics by David F. Rogers, Mc-		27 8 19 3 9 19 4 9 19		v
	12	7/09/19	4	v	Gouraurd Shading, Phong Shading, Constant Intensity Shading, Fast		Graw Hill.Pg.no. 375,343,474,476,482		519119		
		13/09/19	•	VI	Shading,Properties of light,chromaticity Diagram,RGB,YIQ		Procedural elements for		919119	A-3 11.19	
1	13 16/09/19- 2 7 /09/19	5	VI se	CMY, HSK, color models & their conversion, color selection & applications, Design of Animation equences, animation language. Key-Frame System, motion Specification	A.1.6	computer graphics by David F. Rogers, Mc-	PPT,Slideshare videos Videos	1819119 1919119 2019119 2019119 4)9119			

WASA	Head	No. (N) treve.	Virnik NAA	Front Frank Names & Statespale	Activity/ Teaching Aki	Refrence Book - Chapter no. Page no.edition. No	HT tools	Completion Date	Assignment/1 utorial Date	AC's eign
14	\$ 20 to	•				Specioual II				

Faculty in Charge

me Killy



Dr. Millind Khanapurkar Principal Mahash Karva Stree Shekhana Sanetha's Tunnina Scollago of Engineering for Woman Wingna, Nappor-41118



Maharshi Jarve Stree Shikshan Samsti D's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/CE /19-20

Date: / / 2019

LESSON & TEACHING PLAN

				CUMMINS COLL	EGE OF ENGINE	RING FOR WOME	EN, NAGPUR			
Faculty	Name: Pro	of. Priyada	arshini R	amteke		Subject: IEED		i	/ETC (2019- 20)	Sem:- ODD
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	17 June - 21 June				WORKS	SHOP/ORIENTATION	ON			
2	24 June - 29 June	5	I	Sole Proprietorship, Partnership, Corporation, Company Top and Bottom line of organization				25/6/19 26/6/19 27/6/19 28/6/19 29/6/19		
3	1 July - 6 July	5		Economic Analysis of Business, Economic prudence in business, Economies of operations				1/7/19 2/7/19 3/7/19 4/7/19 5/7/19		July
4	8 July - 13 July	4		Market structure: Perfect Competition, Oligopopoly, Monopolistic Competition, Monopoly			Projector	617/19 817/19 917/19		
5	15 July - 20 July	5	II	Business integration: Forward integration, Backward Integration, LPG Policy, Business Cycle and Optimum size of firm				11 67 / 19 24/7 / 19 18 67 / 19	A-I 12/7/19	
6	22 July - 27 July	4		Functions of Central and Commercial banks, Economies and Diseconomies of scale,	To h		r inde	25/7/19 26/7/19 29/7/19 5/8/19	1	July

NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
7	30 July - 3 Aug	Ass				Sessional I				
8	5 Aug - 10 Aug	4	III	FDI. Free Trade Vs Protection, Capital Formation, Multiplier and Accelerator effect				7/8/19 20/8/19 21/8/19 22/8/19		}
9	12 Aug - 17 Aug			Inflation, Recession, Stagnation, PPP Models, Inclusive Growth,				9/3/19 14/8/19 16/8/19 17/8/19		July
10	19 Aug 24 Aug		V	Sources of finance, term loan, venture capital, angel funding, Capital structure, Working capital, Costing. BEP,				23/8/19 24/8/19 5/7/19 3/9/19	A-II =19/19	
1	26 Aug 31 Aug	1 5	V+VI	Network analysis, Taxation, Small Scale industries (Types, Advantages, Problems of SSIs)				5/9/19 9/9/19 10/9/19 11/9/19		
12	2 Sept - Sept	7 4	VI	Sickness in SSI, FDI and threates to SSI, TCOs, Safeguard measures against currency fluctuation, Govt policy to SSIs, Incentives to SSI, Tax holidays			Projector	17/9/19 18/9/19 19/9/19 20/9/19		Jailor
13	9 Sept - 14 Sept	1 4		Project Formulation, Market Survey and Research, Demand Forecasting				21/9/19	'	
14	16 Sept - 21 Sept	1 5	IV	Seminar on Unit IV				2/9/10	1	
15	24 Sept - 30 Sept				ost of England	Sessional II	Kirdind Dr Milnd Khanapurar Principa			



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference

Date: 24/06/2019

CCOEW/CE / 18-19

LESSON & TEACHING PLAN

				Col	mputer Engine	ring Departmer	nt	SEM Fifth S	em (2018-	Sem:-
						Subject: TCP/IP		19	9)	
VEEK	y Nam	No. Of		philasha Borkar Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignmen t/Tutorial Date	ACS sign
No.		Lecu	1		17 June-21 June	- PHP Traning				
1	24 - 2 ⁶ june	1 6	1	Introduction to TCP/IP TCP/IP MODEL Comparison of OSI Model and TCP/II model Networking Technologies: LANS, WANS. Networking Technologies: LANS, WANS. Tutorial	1) video will be show in which they learn how OSI work 2)Through PPTs the explaniaion of underlaying technlogies	(fourth Edition) By Behruz Foruzan Chapter 1, 2-14	1) OSI model animated Video ,PPts on Introduction of Internet and standard 2) OSI and TCP/IP Protocol Suit . 3) underlaying technologies for MCQ link is http://highered.mheducation.c om/sites/0073376043/student_v iew0/chapter_01multiple_choice_quiz.html	24/6/19 25/6/15 26/6/19 28/6/19 1/7/19		Z Gát
2	1-6 Jul	у 6	1	Connecting Devices Internetworking Concepts Architectural model Internet Backbones NAP, ISP's RFC's Tutorial	1)connecting devices like router ,switch,cables, plan to show in classroom 2)plan to give details of ISPs used in our college 3) Introduce new technology for intranetwork	TCP/IP Protocol Suit (fourth Edition) By Behruz Foruzan Chapter 1, 2-14 Chapter 2,19-40 Chapter 3, 47-80	Physical devices router,switch, ethernet RJ- 45 and PPTS on connecting devices by behrouz foruzan	9 (7 10 5 (7 10 5 (7 10 5 (7 10 9 (4 10 2 (7 10)		





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignmen t/Tutorial	Acs	
				Internet Standards.	1) Plan to make LAN	TCP/IP Protocol Suit			Date	sign	
	8-11			IP address classes	connections in class room and Assigning	(fourth Edition) By Behruz Foruzan		15/7/19			
3	July	4	1	Internet Addresses	IP address	Chapter 5,6	Laptop,ethernet-RJ 45, 1)IPV4	1617/19			
				Classes, Classful Addressing, Classless Addressing		115-150 161- 178	PPTs	17/7/19		10	Je L
				Mask and subnetting	plan to give activity			1917 1/1	-	++	-
4	15-20 July	6	2	Numerical based on Masking Subnet Mask CIDR ARP and RARP	to identify classes and no. of networks and no. of host based on numericals		Chalk board ,1) IPV4 PPTs	22 7 23 7 24 7 25 7			
		-		Tutorial				23/7			1.
				ARP and RARP	cisco packet tracer Simulator	TCP/IP Protocol Suit (fourth Edition) By	Laptop, 1)	2917		70	Ŵ
5	22-29	5	2	Internet Protocol. Routing IP Datagram	installation and	Behruz Foruzan	ARP - ppts 2) Forwording of IP Packet-PPT	287		1	1
	July			ICMP	Perfroming practical based on	Chapter 8, 221-237 Chapter 9,245-263	, sotware cisco packet tracer	2)17			1
				IGMP.	Protocols and	Chapter 13, 375-408		24/7		+	1
					30 july 3 Aug	Sessional-1					1
				Sockets and socket Programming		TCP/IP Protocol Suit	PPTs of socket programming	518/19			1
	v			TCP,UDP	considering student	(fourth Edition) By Behruz Foruzan		618/11			
7	5 Aug- 9	5	3	Sockets and socket Programming	as a object and perform client	Chapter 17, 546		71814			
,	Aug			Routing in Internet	server			7/8/1		\Box	1
				RIP ,Routing Information Protocol	communication			8/8/19		<u> </u>	١,
				Tutorial			*	201816		1/1	1
				BGP		TCP/IP Protocol Suit (fourth Edition) By	PPTs of BGP and chalk board	13/8		1 Ac	8
	124			Introduction to Multicasting	configuring BGP	Behruz Foruzan		14/2		1	-
8	12Aug- 17 Aug	4	3	Multicast routing.	protocol on packet tracer	Chapter 18, 568 Chapter 19, 582		1619		\vdash	+
				Host Configuration		Chapter 20, 610		2018/19		/	1
				Tutorial		. ind	Milw)				٦

Hingna. hogger-44111

Dr. Millind Khanapurkar Principal Maharik Kuru Stree Shixhan Sanema's Lumies College of Engineering for Women

Academic Cardina for



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan Sem. V

				CUMMINS COL	LEGE OF ENGI	NEERING FOR V	NOMEN NACE	IIID		Date: 24/	06 / 19
culty Na	ame: Prof. Abhilasha Borkar				oject:TCP/IP & Intern		for	OK	Department: Com	puter Engineering	
			Batch B1			Batch B2			Batch B3		
Pi	Name of experiment	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	A C. Remark
print	print	print	fill	fill	print	fill	fili	print	fil!	fill	511
P1	To study TCP/IP Protocol Suit	25/6/19	25/0/19	10	24/6/19	24/6/19	18	26/6/19	26/6/19	12	h
P2	Configure Star Topology using HUB	07-02-19	रविशिष	12	07-01-19	117111	IC	07-03-19	317/19	1	(
Р3	Configure VLAN on switch	07-09-19	217/19	14	07-08-19	8/7/19	14	07-10-19	10/7/19	20	710
P4	Configure VLAN on switch with Trunk mode	16/7/19	16/7/19	16	15/7/19	15/7/19	12	17/7/19	17/7/13	18	Tur
P5	To configure Router and Perform	23/7/19	231711	18	22/7/19	22/7/19	10	24/7/19	24/7/19	16	911
,,	communication	6 0 9 19	5/8/1/19	20	5 - 6 -19	5-8/19	p	7 - 8 -19	7/8/19	10	
P6	Impliment NAT	20/8/19	2018/1	15	19/8/19	19/8/19	16	21/8/19	21/3/19	10	1
P7	Impliment RIP Protocol on Router	27/8/19	27/0/19	10	26/8/19	2618119	11	28/8/19	2 7 8 19	15	11,1
P8	Impliment OSPF Protocol on Router	09-10-19	3/10/19	05	09-09-19	9/19/19	12	09-11-19	3/11/19	16	1601
P9	Impliment BGP Protocol on Router	17/9/19	17/9/19		16/9/19	1619119	13	18/9/19	[8]9]19	10	2691
P10	Configure FTP Protocol	24/9/19	24/5/19	20	23/9/19	23/9/19	14	25/9/19	2519/19	20	-



Dr. Milind Khanapurkar Principal

Maharshi Karve Stree Shikshan Sanetha's

No.		Lect.	No.	Exact Topic Name & Subtopic BOOTP	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignmen t/Tutorial	AC
1.				DHCP				21)8	Date	sign
	23 Aug	5	4	FTP	Configuration of protocols on packet		PPT on DHCP by behrouz	22/8		7
		Aug - C		Services: Domain Name System	tarcer	TCP/IP Protocol Suit	foruzan cisco packet tracer, chalk board	22/3		
1	Services: Dom Tutorial				(fourth Edition) By		2218		/	
		TFTP and Electronic Mail:		Behruz Foruzan		26/8				
				SMTP		Chapter 18, 568 Chapter 19, 582				
10		31 Aug 5 4 IMAP and POP Network Managem Tutorial	MIME	understanding	Chapter 19, 382 Chapter 20, 610		2718			
	31 Aug			IMAP and POP	concept by real time example	. , , , , , , , , , , , , , , , , , , ,	Gmail ,PPTs on SMTP by behrouz foruzan	27/8		
		SNMP Mobile IP	Network Management	example		ochrouz foruzan	28/8	21-		
	1			Tutorial				319	A359.2	
				SNMP				.519	519	
	25-	-		Mobile IP				4/9		
11		6	5	Multimedia			PPTs on Mobile IP by Behrouz	419)_
				RTP	understanding		foruzan	519		/
				Tutorial	concept by real time		-	519		
				RTCP,	example	TCP/IP Protocol Suit (fourth Edition) By		519		
1			١,	Firewalls		Behruz Foruzan	PPTs on RTCP by Behrouz	1019		
	13 Se	ер	-	Middleware's,		Chapter 21,630	foruzan	11/7		1
				RPC, RMI		Chapter 23,24 TCP/IP Protocol Suit		2419		10
				PGP		(fourth Edition) By		12)9		+
				,SSL	G : 110000	Behruz Foruzan		1211	ANT	$\overline{}$
				НТТР	configuring HTTP	Chapter 22, 656	PPTs on HTTP by Behrouz	13/9	1719	
1	13 16 Se 23 S			Introduction to IPv6	,understanding		foruzan PPTs on RMI by	1811	171	\dashv
	253	-		Introduction to IPv6	concept by real time		Behrouz foruzan	2311		
				ICMPv6	example			2.419		
				Internet Security:IPSec				2419		
					24 Sept- 30 Se	pt - Sessional- II	Academic Cooding			\neg

ent Act



Principal
Maharshi Karve Stres Shikshan Sanetha's
Cunnins College of Engineering for Worken
Hingna, Nagput-441118.

Academic



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Shappening Engineering Accompany to Allegana



Lab Practicals Plan Seventh Semester (A.Y 2019-20) (O PD)

Date: 25/06/2019

Faculty Name: Prof. H.V.Kharpate

Subject: AMP

				Batch B	3		Batch B	1			Batch B2		
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remark	Planned Date	Perform Date	No. of Viva done	HoD's Remark
print	print	possible Variations used	print	fill	űII	print	fill	fill	fill	print	fill	di ma	fiil
1	Study of 8051 Microcontroller		2/7	2/7	7	4/7	41)	7		5/7	517		7
2	To write and execute 8051 assembly language program for addition of two 8 bit numbers		9/7	917	Jum	11/7	CH7	Jei	fu/	19/07	51)		July
3	To write and execute 8051 assembly language program for multiplication of two 8 bit numbers		16/07	1617		18/07	1417			26/7	רוט		
4	To write and execute 8051 assembly language program for division of two 8 bit numbers		23/07	23/))	25/07	1817	7		9/8	218	J	$\hat{}$
5	To write and execute 8051 assembly language program for swapping lower nibble with upper nibble of 10 8 bit numbers stored in memory		6/8	13/08	Jui fu	8/8	8/8		July	16/08	1618		Jui
6	To write and execute 8051 assembly language program to find the smallest byte out of 10 bytes stored in memory		13/08	2018		22/08	2218			23/08	1319		





7	To write and execute 8051 assembly language program to serially transfer the data to other controller using Keil software	20	0/08	319	}	29/08	S q		30/08	1719		
8	To write and execute 8051 assembly language program to toggle port 1 and port 2 using keil.	2	7/08	1019	di	5/9 W	1919	Jeifer	9-Jun	2019	Mil	14
9	WAP to interface BCD to 7-segment display using MCU 8051 TDE - TEANS FOR block 87 dots.		3/9	1719		19/09	26/9		13/09	21/09		
10	WAP to demonstrate code Look up table. (XLAT).		10/9	17[9			26/9		20/09	21/09.		

M.O.D.

H. V. Kharpate

faculty Incharge

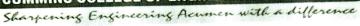
College of English Mingra, Mingra, Mosper, 441111

Dr. Milind Khanapurkar Principal Maharsh Karve Stree Shikshan Sanetha's Sumilia Collega of Engineering for Women Hingsa Nappor-441118.



Maharshi K we Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





Date: 13/06/2019

CCOEW/CE/ 19-20

LESSON & TEACHING PLAN

aculty I	Name: Prof.	Harshwai	dhan Kh	arpate	1	Subject: Advance Microprocessor		ODD SEM	(2018-19)	Sem:- 7th
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign/ A C ජායිව
1	17 June - 21 June 2019	5		Project Oriented Training						
2	24 June - 29 June 2019	1	1	Introduction to 32-bit processors. Historical evolution of 80286,386 & 486 processor, real & protected modes	Socratic Questioning/Picture Prompt	Intel Microprocessor by Barry Brey,Eighth edition,Page no 1-50 and Burchundi,Ray 444,505	PPT on 80286,386,486, Videos	£916		July
3	1 July - 6 July 2019		1	segmentation, paging mechanism & privilege mechanism & protection mechanism, pipe lining & task switching.	Pass the chalk, Fetch-Decode Execute for pipelining	Intel Microprocessor by Barry Brey,Eighth edition,Page no 1-50	PPT, Video on Task Switching (NPTEL)	06/07		
4	8 July - 1 July 2019		2	Pentium features & architecture, pin description, functional description	Comparison with previous processors	Advanced Microprocessors and Peripherals by A K Ray and K M Burchundi second edition pg no: 556 and Intel Microprocessor pg no 729	bharatacharyaeducati n.com	. 1517		Juit

Faculty in Charge



Dr. Milled Khanapurkar Principal Maharah Kave Sires Shirkana Sanetha's Lumnias Cilipage of Engineering for Women Impa. Nappor-41118.

HOD July

WEEK	W	eek	No. Of Lect.	Unit No.		Exact Topic Name & Subtopic	Activity/ Teaching Aid	Chapter no. Page no,edition. No	ICT tools	Date	utorial Date	HOD's sign
5	20	July -) July 2019	6	2	inatm	um super-scalar architecture- pipelining, uction paring rules,Pentium real e, Pentium RISC features	I	Advanced Microprocessors and Peripherals by A K Ray and K M Burchundi second edition pg no: 556 and Intel Microprocessorpg no 759	PPT,Videos from bharatacharyaeduca tion.com	1917	(61)	Juil
6	- 1	2 July - 26 July 2019	5	2	Bra	anch prediction, instruction and data caches, the ating unit.Basic Pentium programming		Intel Microprocessor by Barry Brey,Eighth edition,Page no 759	PPT,Videos from bharatacharyaeduca tion.com	2417		Shire
		29 July-0	3					Sessional I				
8		Aug 2019	•		١,	Basic Pentium programming : programmer's model, register set, addressing modes,	Instructions/Program			08/08	3	Speity
	9	05 Aug-0 Aug 201	19 5	5	3	instruction set, data types	Practice	Microprocessors and Microcontrollers		17/08		
		12 Aug-	-17	4	3	Data transfer instructions. Advanced Pentium programming: String instructions, arithmetic instructions.	Instructions/Program Practice	Microprocessors and		1110		
	10	Aug 20	19			logical instructions, bit manipulations instructions programs.	on Instructions/Program Practice	Microprocessors an	d	22 0	3 2	Juin
		19 Aug Aug 20	-23 019	5	4	program transfer instructions & processor		Microcontrollers		27/0	18	
	Variation of the second	26 Aug Aug 2		6	4 & 5	controller NCS-51 family architecture.	icro- Instructions/Program Practice	Microprocessors a Microcontrollers	fluty			
Fac	cul	ty in C	A	2	2	(September 1997) Angert (Color)	Dr. Millind Khanapurkar Principal Manusk Kuru Stres Shanara Sandha unitas California Capital Rose	HOD Kuju	4			

WEEK No.	Week	No. Of Lect.	Uņit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T	HOD's sign
	2 Sept-7 Sept 2019	5	5	on-chip data memory & program memory,organization-register set, register bank , SFRs.interrupt structure	Comparing Microprocessor and microcontrollers	The 8051 Microcontroller and Embedded Systems by Mohamad Ali Mazidi	Bahratacharyaeduc ation video,ppt,blackboar d and chalk		05/09	7
	9 Sept-14 Sept 2019	4	5	Timers & their programming, serial port & programming, design of minimum system using 8051 micro-controller for various applications	Serial and timer programs on MCU 8051 IDE				18/09	Jin full
11	16 Sept-2 Sept 201		6	Overview of 8096 Micro-controller: General description, processor section, on-chip data I/O section. Basic software examples: using the 8096's processing section, using the I/O section	Case Study	Advance microcontrollers raj Kamal	Assignment & discussion from comparing previous, microcontroller	63	24/09	
12					ı	Sessional II				

Subject Teacher

And the second second

HOD



Dr. Millind Khanapurkar Principal Maharah Karva Stree Shikshan Sanetha's Venneles College of Expineering for Women Hingha, Nappur-441118

Faculty in Charg

HOD Slify



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE / 19-20

HU

ent Acti

Date: 17/6/2019

LESSON & TEACHING PLAN for Operating System

				COMP	UTER ENGINEERING	DEPARTMENT			
acult	y Name	e: Prof	. Sha	ilesh Sahu			Year: 2019-2020		Sem:- 7tl
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment / Ai /Tutorial sig
				1 1	17 -21 June -Android	Traning			
				What is Operating System do(OS),		1.Opearting System Concepts by Avi	PPTs-chapter 1 from silberteaz, Videos-		\Box
				Types of OS,Operating system		Silberschatz, Galvin	opearting system introduction Shaun		
	24 - 29	5	1	User-operating system Interface		chapter 1, pg no. 3,12,18,20 Chapter 2, pg no. 49-88	michel stone		/ Juit
1	June) 5	1	System calls, Types of system calls		2, pg no. 49-88 Chapter 10, pg no. 421-451	. A	29706	110-
				System programs, operating system structure		421-431			
				Tutorial			4		17
		T		Virtual machines		1.Opearting System	PPTs on Virtual		
				FILE SYSTEM: File concepts, Access		Concepts by Avi Silberschatz, Galvin	machine - Sai Sidddharth		Aprile
				Directory & Disk structure		chapter 1, pg no.		6107	ju
2	1-6 July	5	1	File system Mounting,]	3,12,18,20 Chapter 2, pg no. 49-88			
				File sharing, protection		Chapter 10, pg no.			
				Tutorial		421-451			

Faculty in Charge



Dr. Millind Khanapurkar Principal Maharsh Kares Stres Shishan Sanatha's Tunnins College of Engineering for Women Manager of Engineering for Women Manager of Engineering for Women

Academic in Charge

File system structure, File system implementation. Directory implementation. Directory implementation. Directory implementation. Directory implementation. Directory implementation. Directory implementation. Efficiency & performance, recovery Tutorial Process concept, process scheduling operations on process, interprocess communication THREADING: Multithreaded programming overview.mulfithreading models. PROCESS SCHEDULING: Basic concepts. Tutorial Scheduling algorithm. multiprocessor scheduling algorithm evaluationithm. multiprocessor scheduling algorithm evaluationithm. multiprocessor scheduling algorithm evaluationithm. TIOPearting System Concepts by Avi Silberschatz, Galvin chapter 11, pg no. 461-490 Chapter 3. pg no. 101-128 1.Opearting System Concepts by Avi Silberschatz, Galvin chapter 11, pg no. 461-490 Chapter 3. pg no. 101-128 1.Opearting System Concepts by Avi Silberschatz, Galvin chapter 6, pg no. 225-257 All process of the duling algorithm evaluationithm. Scheduling Algorithm PPTs, Chalk Board	WEE	Week	No. Of	Unit	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment /Tutorial Date	AC sign	
Process concept, process cheduling operations on process, interprocess communication THREADING: Multithreaded programming overview, multithreading models. PROCESS SCHEDULING: Basic concepts, Tutorial scheduling algorithm, multiprocessor scheduling algorithm evaluationithm, multiprocessor scheduling algorithm evaluationithm,	No.	8-12 July			implementation, Directory implementation, Allocation method, Free-space management Efficiency & performance, recovery	c	Concepts by Avi Silberschatz, Galvin chapter 11, pg no. 461-490 Chapter 3, pg no. 101-128	Videos-File Structure by Shaun michel stone	+		730	前
5 22-26 July 5 2 scheduling algorithm, multiprocessor scheduling algorithm evaluationithm, multiprocessor scheduling algorithm evaluationithm, multiprocessor scheduling algorithm evaluationithm, multiprocessor scheduling algorithm evaluationithm,			5	2	operations on process, interprocess communication THREADING: Multithreaded programming overview, multithreading models. PROCESS SCHEDULING: Basic concepts,	- 6	Concepts by Avi Silberschatz, Galvin chapter 11, pg no. 461-490 Chapter 3, pg no. 101-128	syncronization silberteaz ,process management by Shaun michel stone	1017		14	<u> </u>
		5	5	2	scheduling algorithm, multiprocessor scheduling algorithm evaluationithm, multiprocessor scheduling algorithm	-	Concepts by Avi Silberschatz, Galvin chapter 6, pg no.	Algorithm PPTs,	251+-) / Jei fe	4

ent Acti

Hingse, 441111

Dr. Milled Khanapurkar Principal Wahash Kave Stree Sheakan Sanetha's 'unnies College of Engineering for Women Wogna Nappur441118

Faculty in Charge

Academic in Charge

VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/	Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment /Tutorial Date	AC sign
				Disk attachment		anna Latina (Lapina) alak cana armaken asinta (laba aya cana aka	1.Opearting System Concepts by Avi				
	26 Aug -			Disk scheduling				Disk and preparing			
9	31 Aug			Disk management				numerical ppts	1010		
	31 Aug	1		Introduction to RAID structure				e	21/3/10	1	4
				swapping							111
		6	5	Tutorial					-	+	111
				contiguous memory allocation	4			DIVE		+	110
				paging structure of page table,	4		1.Opearting System	PPTs onmemory management by		+	+
	26 7			segmentation VIRTUAL MEMORY MANAGEMENT	_		Concepts by Avi	silbertz, video by	-1-1	+	+
10	2 Sep -7 Sep	5	5	Background	:		Silberschatz, Galvin	Shaun michel stone	9911		
	Sep			demand paging	-		chapter 12, pg no.	Animated Videos and			1
				copy-on-write, page replacement,			505-533 Chapter 8	Chalk Board		1	
				allocation of frames			pg no. 315-342				
				Thrashing, memory mapped file			Chapter 9 pg no.				
			5	Allocating kernel memory			357-396				
				Tutorial				PPTs on system			>
11	9 Sep -	6		SYSTEM PROTECTION: Goals of protection			1.Opearting System Concepts by Avi	protection by silbertz , Chalk Board	13/9/17	-	(2)
			1 6		-		Silberschatz, Galvin Chapter 14 pg no.		DPI		1
				principles and Domain of protection			591-610				0
				Access Matrix implementation					-		
		1		Access control	_		1.Opearting System Concepts by Avi	-	+	6	-
				Revocation of access Right	_		Silberschatz, Galvin	PPTs on system		(3)	
	16 Se	p- 5		capability based systems	\dashv		chapter 15, Pg no.	protection by silbertz,	. 1. 114	40119	
1	21 Se	ep 3		language based protection, SYSTEM SECURITY			621-654	Chalk Board	و الاوام	2010	
				Tutorial							
-					23 Sept- 2	28 Sept - Ses	sional- II				

Hingna, Hogger 441111

Dr. Millind Khanapurkar Principal Maharik Karu Stre Shishan Saethu's Tunoleo Cilligar of Expressing for Worken Woopa, Nappor-44118.

Academic in Charge

Faculty in Charge

WEEK No.	Week	No. Of Lect.	Unit No.		Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment /Tutorial Date	AC sign
					OCESS SYNCHRONIZATION:		1.Opearting System Concepts by Avi Silberschatz, Galvin	PPTs on Process syncronization by silbertz process			<u> </u>
				crit	ical section problem		Chapter 7, pg no.	management by Shaur			1
6	05 Aug 09 Aug		3	Pet	terson's solution, synchronization,		283-304	michel stone Animateo Videos	1 Stale	,	$\downarrow \downarrow$
				На	ardware solution, semaphore				(191)		$\bot \bot$
				1	nonitors, classic problems of synchronization						1
				3 t	ypes of semaphore		1.Opearting System Concepts by Avi	PPTs on deadlock by silbertz, and Chalk			30
					DEADLOCKS: System model,		Silberschatz, Galvin chapter 6, pg no.	Board		(2)	
	7	Aug- Aug	5		Deadlock characterizations		225-257 Chapter 7, pg no. 283-304	-	24/8	2418	
	\'			4	Methods for handling deadlocks						
					Deadlock prevention, deadlock avoidance	e				HILE	
	1				Deadlock detection		1.Opearting System	•		29/00	
				4	Recovery from deadlock (rupino		Concepts by Avi Silberschatz, Galvin	PPTs on deadlock by silbertz, deadlock by			
	8	19 Aug- 24 Aug	1 5		SECONDARY STORAGE STRUCTURE: Overview of mass store structure	age	chapter 12, pg no. 505-533 Chapter 8 pg no. 315-342 Chapter 9 pg no.	Shaun michel stone Animated Videosand Chalk Board			
					Disk structure 5 Tutorial		357-396				

Faculty in Charge

RI

SAT

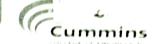
tudent Acti



Dr. Millind Khanapurkar Principal Mahash Karra Sora Shikahan Sarema's Cumika Chilipp of Exploreing for Women Hopps, Aspport 44(11)

Academic in Charge





derritaries I manere un Armen auth a delle cener

CCOEW/CE / 19-20

Date: 17 / 06 / 2019

LESSON & TEACHING PLAN for IANS

				Department o	f COMPUTER ENGI	NEERING				
aculty	Name: Pr	of. Shar	ayu De	ote			Year : 2019-20	5.6	M: VII	er complete leaf per charge
WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book Chapter no. Page no,edition. No	ICT tools	Complet on Date	Int/Tutoria	ACS
١	18-22			Androd Training			and the control of th	AND STATE OF THE PARTY OF THE P	A SAME OF THE CONTRACT AND THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF T	No. Commonwealth Commonwealth Commonwealth Commonwealth Commonwealth Commonwealth Commonwealth Commonwealth Co
		2		Security fundamentals Introduction Ferminology Attacks security goals : Authentication & Authorization	Dissenssion on cyber crime happened in last AY possible solution	Cryptography & n/w security by william stallings pg no. 1-20	ppts / provided notes / shown video	26/06) Zw
2	24-29 June	ı	1	Transposition Various algorithm and its implementation	Implementation on Japtop Activity to Crack cipher text Created one students by other students	Cryptography & n/w security by william stallings pg no. 20 -40	ppts	98/06) Jun
		1		Futorial	Practice on university questions on covered topics			29/06		1







WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completi on Date	ria ACs
		2		Attacks ,security goals : Authentication & Authorization	hands on hacking		PB+25	B/of	
3	1 -6	1	1	One time pad ,Modular Arithmatic ,GCD	Implementation on laptop		+1	04/17	+
3	July	1	1	stream cipher .block cipher secret splitting and sharing				05/07	100
		1		Tutorial	Practice on university questions on covered topics		\	06/07	
		2		eclide algoriths, Chinese Remainder theorm ,Descete Logarithm, Fermats Theorms	Solving Examples in a groups		ppts a	29/07	
4	8 - 12 July	1	1	Block generation & uses ,ECC,Hash Algorithms: SHA-1,MD5	Solving Examples in a groups		1	0/17	> guit
		1		Modes of operations ECC	Video	5	1	107	
		1		Tutorial	Practice on university questions on covered topics			2 07	
		2		cryptanalysis	Groups acivity for finding differences in both algorithms		ppts. 16	107 Ast-01	1
_	15-19	1	_		MCQ		17	107	John
5	July	1	II	Blowfish Algorithm,			18	107	
		1			Thought processes for Attacks		19		

Faculty in Charge





WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completi on Date	Assignme nt/Tutoria I Date	ACs sign
		1		Tutorial	Practice on university questions on covered topics		Potis	22/87		7
	22 - 26	2		Digital Certificate, X.509 certificates,			PPT'S Challe Board PPB	23/07		tu
6	July	1		Digital Signature			Board	- ()		13
	\ \	1		Diffiee Hellman Key Exchange	Bautise Exam		7 PPP	24/07		
		1		Tutorial	Die	,) '	250		
				Sessional -	I (30-Jul To 03- Au	ια 2010)		26 07		/
		2		Key Management: Key	1 (30 Jul 10 03- Au	ig-2019)		1 . 1		
				Management Introduction				100		\supset
7	5- 09	1	_ II	Generations, Distribution, Updation	, Notes			051		
1	Aug	1		Tutorial				06/08		
		1		One Way Authentication,				07/00		\leftarrow
		1		Kerberos.				28118		>
		1		Tutorial				80100		
		2		Network Security			1	0 1/0 0		The
		1		Layer Wise Security Concerns,				. 0		100
8	3 12-	1	_	IPSEC- Introduction, AH and ES	SP,			12/09		1
	17Au	_	_	Tunnel Mode, Transport				171		
		1	_	Mode,			-			
_		1	_	Tutorial				, 1		
				Security Associations, SSL-				22/08		
		2	_	Introduction,				1		
		1	יו	Handshake Protocol, Record Layer Protocol.				23/08		\mathcal{T}







WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completi on Date	Assignme	ACs sign
	19 - 23			IKE-Internet Key Exchange					Date	8
9		1		Protocol.				1		
	Aug			Intrusion Detection Systems:				\$26 08		/
		1		Introduction,				721		
		1		Anomaly				Q		\
		1		Based, Signature Based, Host Based,				27/8		
		1		Network Based Systems.						1
				Security Management and				1		16
		2		Applications				28 68		10
10	26 - 31			Intruders, Intrusion detection,				1231		
10	Aug	1		Password management,) , ,		
		1		Worms, viruses, Trojans,				104/09		
		1		Virus countermeasures, Firewalls,				1641		
		1	v	Firewall design Principals,				+		
		2		Trusted system, Electronic				7		
				Payment: Introduction, Payment				/ \ •	,	
11	3-7	1	-	types,				6.13.9		
11	Sept	1		Smart Cards, Chip card transactions				1	/	
		1	+	and attacks,payment)	/	
		1	-	over internet,			Ú			teil
		1		Mobile Payments, Electronic Cash.				18 09		W_
	+	2	-	Cyber Crimes & Laws				,01		/
12	09-13	1	-	Introduction, Computer Forensics,						
12	Sept	1	-	Online Investigative tool,				1.1.1		
	.	1		tracing and recovering electronic				120/08	1	
		1		evidence				1		

Faculty in Charge





WE EK No.	Week	No. Of Lect.	Unit No.	Exact Tonic Name R c. L.	Activity/ Teaching Aid	, and age	ICT tools	The state of	nt/Tutania	
13	16-21	2	VI	Internet fraud. Cyber Stalking, Identity Theft, Industrial Espionage, Cyber		no,edition. No		on Date	Date	sign
	Sept	1		Terrorism. Indian IT laws: Introduction and briefs about IT laws clauses				2500		Jul
				Sessional -II	24 Sept to 3	30 Sept)		



Dr. Millind Khanapurkar Principal Maharah Karre Stree Shakhan Sasethu's Curelias College of Egyleste Mounes (Sign. Nagou-41118).

Faculty in Charge



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accomen with a difference



CCOEW/CE / 19-20

Date: / / 2019

LESSON & TEACHING PLAN for Web Technologies

				Depart	ment of Com	puter Engineer	ing			
aculty i	Name: Prof.	Sakshi Kl	hamanka	r				Year :	2019-20	Sem:- 7'th
NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
				Introduction to Web Technology				24/6/19		7
	24 June-			Web Essentials,				25/6/19		
1	24 June- 29 june	5		client server communications,	i) Practical			26/6/19		Mily_
	29 june			Web Browser,	pracise will			2716/19		10119
				Markup Languages	taken on HTML.			281619		218/19
			1	Walkup Laliguages	XHTML,	1) "Web		29/19/9		
	1 July-6			HTML	va Script	Technologies -		11219		
2	July-0	5	1	XHTML,SHTML	Program	A Computer		217119)
	0 41.5			XML, simple XHTML page style	also will	Science		31716		luity
			4	sheets	take MCQ's on topics	Perspective", 1st Edition,		41779		21819
				Introduction to CSS, Need for CSS	ii) Task	Jeffrey C.	Related topics pdf &	517/19		1
	8 July-14				given	Jackson 2) Web	ppt and videos will show	617/19		/
3	July	5		basic syntax and extrusion,	students for	Programming	snow	817/19		/
1					design	(Building		917119		
_		-		DHTML.	creative web pages,	Internet		101719	/	
				Client side programming,	also collect	Applications)", 3rd Edition,		1117119	18th Assign -	,
١.,	15 July-	_			more info	Chris Bates		1717119		
4	20July	5		Java Script Language,	about web	Citris bates		1817119		fleify
			2	Land History December 1	essentials as		- 3	1917/19	/	2/8/19
		-	4	host objects: Browsers hard disk,	an		(2)	20/7/19		
5	22July-	4		nard disk,	assignment			23/7/19		
3	26July	4		DOM ,AJAX				' -	Ψ.	
6	20	July-3 A				Session		24,25,26/11/9		





Refrence Book -WEEK No. Of Unit Activity/ Week Exact Topic Name & Subtonic Completion Assignment/T Chapter no. Page Lect. ICT tools No. No. Teaching Aid AC's sign Date utorial Date no.edition. No JAVA Applets. 518119 Given 5Aug-9 6 12119 server side programming: examples 3 5 718/19 Aug for more 13/8/19 Java Servlets - basics, practse 14/8/19 Java Servlets - basics. 16/8/19 Given 13 Aug-17/2/19 examples 8 5 simple program. 1912119 17 aug for more 13/8/19 separating practse 2018119 3 programming and presentations 21/8/14 Given Task 1) "Web JSP basics to find out 23/8/19 19 Aug-Technologies - A 9 4 simple JSP pages. 2418119 applications 23 Aug Computer Wil Representing web data 26 | 8 | 19 for related Science 2718119 topic Perspective", 1st 3/9/119 database connectivity Edition, Jeffrey **JDBC** 4/19/19 26 Aug-C.·Jackson 2) 10 519/19 Dynamic web pages, Web 31 Aug 6/9/19 XML, DTD 4 Programming XML Related topics pdf & ppt 7/3/19 XML schema. (Building & Videos will show 9/9/19 DOM, SAX practice Internet 10/9/19 lil 2 Sept-7 program Applications)", Parsing XML Document using 5 11 11/19/19 Sept 3rd Edition, DOM/SAX parser. 1219119 Chris Bates 17/9/10 Email Tools 1819/6 FTP Tools 9Sept-181914 5 5 FTP Tools 12 13Sept 1919119 WWW.TELNET, PUTTY, 2013/19 DNS, Web Services & Feeds Seminar 2019119 SOAP, RSS Feeds session 21/91/9 Building web Applications, 23/9/19 16 Sept-Cookies sessions, 2319119 13 APACHE TOMCAT, Accessibility 6 21 Sept 24/9/19 Internationalization 2419111 Types of Web Attack ,Intrusions. Sessional II 25 Sept-29 Sept

Faculty In-Charge

VI

Ш

V

VII

Ш

VII

VII

ctivity



Dr. Millind Khanapurkar Principal Maharsh Karva Stres Shikahan Sanetha's 'unmiss College of Engineering for Women Khana, Nappur 44110



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE / 19_20

Date: / / 2019

LESSON & TEACHING PLAN

				CUMMINS COLLEG	E OF ENGIN	EERING FOR WOMEN,	NAGPUR			
Facul	ty Name: Pr	of. Vidya	S Raut	Department : Computer Engin	eering	Subject: Compile	er Construction(BECME7	D4T)	SEM : 7th Se	m (2018-19)
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
1	24/06/19- 29/06/19	6	Unit No 1	Compiler structure: analysis-synthesis model of compilation, various phases of a compiler, tool based approach to compiler construction.	Activity 4	Compilers Principle, Techniques and tools, Alfred V. Aho, Ravi Sethi, Jeffrey D. Ullman.Pg No 1 11 "Introduction to Compiling Techniques: First Course Using ANSI C, Lex and Yacc", J.P. pg no ,28,76-83,109-130,	https://nptel.ac.in/courses /106108052/1	24/6/19 25/6/19 26/6/19 28/6/19 23/6/19	7	
2	1/07/19- 6/07/19	6		Lexical analysis: interface with input, parser and symbol table, token, lexeme and patterns, difficulties in lexical analysis, error reporting, and implementation. Regular definition, Transition diagrams, LEX.		Compiler Design by O.G.Kakde, Laxmi Publications Pvt Limited		17/19	T. 5/7/19	Just
3	08/07/19 12/07/19	1 4		Syntax analysis: context free grammars, ambiguity, associativity, precedence, top down parsing, recursive descent parsing.		Compiler Design by O.G.Kakde, Laxmi Publications Pvt Limited pg no 51,197,205,207	1	9/1/19 10/7/19 15/7/19 17/7/19	T 77113.	سنناس
4	15/07/19 20/07/19	1 6	Unit No.2	transformation on the grammars, predictive parsing, Bottom up parsing, operator precedence grammars	Activity 2	. Principles of Compiler design, Alfred V. Aho, Jeffrey D. Ullman, NAROSA Publications	https://www.youtube.co	18/7/19 19/7/19 19/7/19 20/7/19 20/7/19	Assij 1 22/7/19	

Horan .



Dr. Millind Khanapurkar Principal Mahash Karvi Stres Shishan Sanetha's Veniles College of Expineering for Women Manapurka Manapurkan

		T				•	k.			
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
5	22/07/19- 26/07/19	5	o day	LR parsers (SLR, LALR, LR), YACC. Dynamic storage allocation.		Principles of Compiler design, Alfred V. Aho, Jeffrey D. Ullman, NAROSA Publications, Pg no 241,-259,264,271	https://nptel.ac.in/course: /106104072/4	1201+110	7.0017	Planky
6	30/07	7/19-3/08	/19			Sessional I	ук (Синовия повен от Лонгоской, почение под для возданной добогой доступа с сестем почения почения почения поч			<i>y</i>
7	05/08/19- 09/08/19	4	Unit No.3	Type system, specification of simple type checker, equivalence of type expression, type conversion, polymorhism, type checking algorithms,		Compilers Principle, Techniques and tools, Alfred V. Aho, Ravi Sethi, Jeffrey D. Ullman, Pg No 1-11	https://nptel.ac.in/courses /106104072/5	5/8/19 8/8/19 8/8/19		?
8	13/08/19- 17/08/19	1 4	Unit 140.5	source language issues, storage organizations, storage allocation strategies, parameter passing, symbol table, dynamic storage allocation techniques.	Activity 3	Compilers Principle, Techniques and tools, Alfred V. Aho, Ravi Sethi, Jeffrey D. Ullman, Pg No 1-11	https://nptel.ac.in/courses /106108113/17	16/8/19	T;22/8	fil of
9	19/08/19- 23/08/19	1 5		Intermediate code generation: intermediate representations, translation of declarations,		- activations : 11 Emiliea	https://nptel.ac.in/courses /106104072/8	23/8/19 26/8/19 26/8/10		
10	26/08/19	1 6	Unit No.	4 Intermediate Code generation for control flow, boolean expressions and procedure calls, implementation issues.	Activity 4	Pg No32, 91,357,572,574,996	https://nptel.ac.in/courses // 106104072/8		Assig 2.	Jaile Staile
11	3/09/19 07/09/19	1 5	Unit No.	Code generation and instruction selection: issues, basic blocks and flow graphs, register allocation, code generation,	Activity 5	1-11	https://nptel.ac.in/courses /106104072/9	0/2/10 10/9/10		स्थावा
12	2 09/09/19 13/09/19	1 4	_ Office record	DAG representation of programs, code generation from dags, peep hole optimization, code generator generators, specifications of machine.		Ullman, NAROSA Publications	/100100053 (marks) 2/las	1413[19 1413[19 1413[19	T: 18/9./	









									1	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	AC's sign
13	16/09/19- 21/09/19	1 6 1	Unit No.6	Code optimization, source of optimizations, optimization of basic blocks, loops, global dataflow analysis, solution to iterative dataflow equations, Code improving transformations, dealing with aliases, data flow analysis of structured flow graphs	Activity 6	Principles of Compiler design, Alfred V. Aho, Jeffrey D. Ullman, NAROSA Publications Pg No 582-635	https://nptel.ac.in/course /106104025/24	13/9/12 20/2/12 21/9/12 24/3/19 26/3/12 27/3		/
14	24/09	9/19- 30/0	19/19			Sessional II				



Dr. Millind Khanapurkar Principal Mahash Karin Strus Shikahan Samila's Tunniac College of Engineering for Women Honga, Nappor 441118.

Jon 18



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/ Department of Computer Engineering / 19-20

DT.24/06/2019

LESSON & TEACHING PLAN

				CUMMI	NS COLLEGE OF ENGINEERI	NG FOR WOMEN, NAGPUR				
		Facu	Ity Name: P	rof. Bhagyashree Joshi		Subject: DMW		SEM	(2018-19)	Sem:- Seventh Sem
W No	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no.	ICT tools	Completio n Date	Assignment/ Tutorial Date	A C'sign
1					17 - 21 June- Ar	ndroid Training				
				Introduction to data warehousing,	PPT/students will explain	DMW -Han Kamber 126	self prepared ppt	26/4		\supset
				evolution of decision support systems	PPT/students will explain	Internet	self prepared ppt		1	
	24 - 29			Data warehouse life cycle	PPT/students will explain	Internet	self prepared ppt		77	
2	june	6	I	building a data warehouse, Data Warehousing Components.	PPT/students will explain	DMW -Han Kamber 135	self prepared ppt			He: ky
				Trends in data warehousing Data marts	PPT/students will explain	DMW -Han Kamber 132	self prepared ppt			(Jul)
				Tutorial	Quiz		self prepared ppt	列子		
			I	Data Warehousing Architecture,	PPT/students explained	DMW -Han Kamber 130	self prepared ppt	317	and the second	
				Metadata	PPT/students explained	DMW -Han Kamber 134	self prepared ppt	1		
3	1-6 July			On Line Analytical Processing,	PPT/students explained	DMW -Han Kamber 146	self prepared ppt		25/7 -	
3		6	п	OLAP in the Data Warehouse: Demand for O	PPT/students explained	DMW -Han Kamber 150	Web-	1		
			11	need for multidimensional analysis,	PPT/students explained	DMW -Han Kamber 139	Tutorials point	1		S
				Examples				15/7		flifty
				need for multidimensional analysis,	Surprise Test	DMW -Han Kamber 139	Tutorials point	1117		
	8 - 11		п	limitations of other analysis methods,OLAP	PPT/students explained	DMW -Han Kamber 155	Tutorials point			
4	8 - 11 July	4	11	OLAP characteristics,	PPT/Video	DMW -Han Kamber 155	Tutorials point	1		
			-	major features and functions,	PPT	DMW -Han Kamber 155	https://www.youtube. com/watch?v=51UL99	1817		





the second				OLAF models the MOLAF model.		DWW -Han Kamber 164	~	
				the ROLAP model.ROLAP versus MOLAP.		DM by Anim pulari 34	2	
0.0000000	1.5-28 July	5	п	Multidimensional Data Models Types of Da	PPT		*2.4	
2000	The state of the s	- Line		Tables and Spreadsheets to Data Cubes.)2/t	
		0.00		Tutorael		DMW -Han Kamber 194	(917	With
-				Identifying Facts and Dimensions, Designin		DM/W -Han Kamber 136	2014	
125(0)-000m	and the second			Designing Dimension Table		DM/W -Ham Kamiber 136	+217	
- Automotive	22-29	5	п	Examples	201		54	
CO SECOND	July			Data Warehouse Schemas,		DMW -Han Kamber 139	2417	
- Carried Control				Introduction to OLTP		DMW -Han Kamber 164	2517	
					30 july 3 Au	ig Sessional-1		
				Data Mining, Introduction: Motivation, Imp		DM by Arun pujari 100	6/3	7
	5 Aug-9 Aug			Data Mining Functionalities Knowledge		DMW -Han Kamber 7	215	
_		5	ш	10 10 15 11 Mining	§ part	DMW -Han Kamber 6	1.	
7		1		Data Mining vs. Query Tools, interesting pa		DMW -Han Kamber 128	1918	
				Data Mining Functionalities Knowledge)	1 14
	-	-		Discovery Process, KDD and Data Mining,		DMW -Han Kamber 7	123	- Aut
			III		a f	DMW -Han Kamber 6		13011
			-	Classification of data mining systems	1	DMW -Han Kamber 128	b to	
8	12Aug-1	5		Major issues, from Data warehousing to da	ata	DMW -Han Kamber 85	1200	
			I.	Data Preprocessing: Need for Preprocessi		DMW -Han Kamber 88	2010	
				Tutorial			7	
	10 4 70	-	_	Data Cleaning, Data Integration and Trans	sfo	DMW -Han Kamber 90	4/18	
				Data Reduction, Discrimination and Con-		DMW -Han Kamber 93	1	
		-		Mining Everyent Patterns,		IDM Tan, steinbach, Vk 360	Suc	
1	0 19 Au 23 Au	- 1)	ı	Associations and Correlations - Minir	ng	IDM Tan, steinbach, Vk 327	1346	
	23 At	1		Methods	1	IDM Tan, steinbach, Vk 327	1_1	1

Dr. Millind Khanapurkar Principal Waharsh Karve Stree Shikshan Sanetha's Turnias College of Engineering for Woosen Wingna, Nappur-44118.

Kinds of Association Rules IDM Tan, steinbach, Vk 340 Correlation Analysis DMW -Han Kamber 265 7618 Constraint Based Association 26 Aug -11 DMW -Han Kamber 294 31 Aug Mining - Classification and Prediction DMW -Han Kamber 294 29/8 Classification - Rule Based Classification DMW -Han Kamber355 Tutorial 29 18 Classification by Back propagation -DMW -Han Kamber 393 Support Vector Machines -DMW -Han Kamber 408 Associative Classification DMW -Han Kamber 416 2 Sep-7 12 Sep Methods - Prediction DMW -Han Kamber 422 1019 Lazy Learners - Other Classification DMW -Han Kamber 426 Tutorial Cluster Analysis - Types of Data -DMW -Han Kamber 444 1919 Categorization of Major Clustering Method DMW -Han Kamber 448 9 Sep-13 13 $\mathbf{v}\mathbf{I}$ Partitioning Methods -DMW -Han Kamber 451 to DMW -Han Kamber 457 Hierarchical Methods -12/9 DMW -Han Kamber 471 Density-Based Methods -DMW -Han Kamber 479 Grid Based Methods DMW -Han Kamber 497 Model-Based Clustering Methods -Clustering High Dimensional Data based DMW -Han Kamber 508 analysis DMW -Han Kamber 532 Data Constraint - Based Cluster Analysis -16 Sep-VI 14 23 Sep DMW -Han Kamber 544, Outlier Analysis , Data Mining Applications DMW -Han Kamber ,620 Social Impacts of Data Mining Case Studies: 2519 DMW -Han Kamber ,622 Text Database Mining Spatial Databases 24 Sept- 30 Sept - Sessional- II

Student Activ

DAY

MON

TUE

WED

THU

FRI

SAT

V)

II

VI







ASSIG

NO:

A8519

Ma



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



Lab Practicals Plan Sem. IV

Date: / /

	CUMI	MINS COLLE	GE OF EN	NGINEERIN	G FOR W	OMEN,	, NAGPUR	\			
	Faculty Name: Prof. S.Khamankar	Subject: C-La	ab- II		for	Departn	nent:CE		Section:	4'th Sem	
			Batch B1			Batch B	2		Batch B3		
Pi	Name of experiment	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remark
print	possible Variations used	print	fill	fill	print	fill	fill	print	fill	fill	fill
	Introduction	17/12/18	211119	8	21/12/18	117	8	20/12/18	20112/18	3	
1	Study of COBOL coding sheet.	24/12/18	#1119	10	28/12/18	211/2/18	12	27/12/18	20112118	13	
2	Study of working of various storage media.	31/12/18	#1119	12	4/1/2019		10	3/1/2019	27/12/18	9	7
	Write a menu driven program to accept two numbers from keyboard and perform its addition, subtraction, multiplication and division based on choice.	7/1/2019	14/4/19	15	14/11/18	411189	14	181118	31119	13	304
	Write a program for conversion of degree to Fahrenheit & vice versa in Cobol	14/1/19	14/11/19	12	18/1/19	ullla	10	17/1/19	1011119	12	/
	Write a program for finding greatest nos and smallest nos among three	4/2/2019	11/2/19	14	8/2/2019	18/1118	15	7/2/2019	17/11/19	11	1204
	Write a program to demonstrate STRING and UNSTRING verb.	11/2/2019	25/2/13	13	15/2/19	8/2/19	12	14/2/19	712119	15	
7	Write a program to create sequential file and display all the records.	25/2/19	11/3)19	15	1/3/2019	15/219	15	28/2/19	14/2/19	17	
	Write a program to demonstrate sorting of a file.	4/3/19	1113119) 8	8/3/2019	1/\$3)9	17	7/3/19	713119	15	Sal
a	Write a program to demonstrate merging of files.	11/3/19	11/3/19	17	15/3/19	15/31	15	14/3/19	143)19	16	1507

Subject -Teacher



Dr. Millind Khanapurkar Principal Maharah Kare Str. Adelahar Samba' uminis Chilay of Engineering for Wooken Kingsa, Nagour-44118. HOD



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/CE / 18-19

Date: 10 /12 / 2018

Facult	Name: Prof. Vie	dva S. Rau	ıt	CUMMINS COLLEGE O Subject:Object Oriented Metl			puter Engineering	` SEM - A	thSemCE(201	9.10)
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No		Completion Date	Assignment/ Tutorial Date	HOD's sign
1	17/12/2018 to 21/12/2018	5		Course Objetive Introduction Object Oriented Development Object Oriented Themes. Object Modeling: Object & Classes Tutorial		Object -Oriented Modeling and Design By-James Rumbaugh,Micha el Blaha,William	DDT	19/12(4) 2012 2012 1912		
2	24/12/2018 to 29/12/2018	5	1	Object Modeling: Link and Associations, Generalization And Inheritance, Grouping Constructs, A sample object module, Tutorial.	Activity 1.1:	Premerlani, Frederick Eddy, William lorensen . Ch No. 1,2,3,4 Pg No. 4, 15, 21,57	PPT	20/2- 21/12 26/12/12 23/12 23/12	Tuhar 218	I.
3	31/12/2018 to 5/1/2019	6		Advanced Object Modling: Aggregation, Abstract Classes, Mmultiple Inheritance Metadata, Candidate keys, Constriants. Tutorial	Activity 1.2		РРТ	29/12 31/12/1 1/1 2/1 3/1,4		al
4	7/1/2019 to 11/1/2019	5		Dynamic modeling: Events & states Nested state diagrams Concurrency. Tutorial	5	Object -Oriented Modeling and Design By-James Rumbaugh,Micha el Blaha,William	g <u>.htm</u>	05/1 d 711 in 8/1,9		u ay
5	15/1/2019 to 19/1/2019	5	2	Advanced Dynami Modeling Concepts Sample Dynamic Module Tutorial	Activity 2.1	Premerlani,	PPT	1417	(2)	7 11







NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic		Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	ssignment/ Tutorial Date	HOD's sign
6. 1	21/1/2019 to 25/1/2019	5		Functional models,Data Flow Diagrams.Specufying operation Constriants A sample functional module. Tutorial	Activity 2.2 :	/ !	https://www.tutorialspoint.co m/object_oriented_analysis_c esign/ooad_uml_analysis_mo del.htm	1		1974
7	28/1/2019	to 2/2/2	019		Ar	nanya Cultural	Program		1 000 0 10	
9 . 1	4/2/2019 to 8/2/2019	5	3	Design methodology Overview of Analysis, Problem Statements, TM network, Object Modeling Various Phases	Activity 3.1:	Object -Oriented Modeling and Design By-James Rumbaugh, Micha el Blaha, William Premerlani, Frederick Eddy,	РРТ	24/1,119 25/1-119 5/2-119 6/2-119 7/2-119		12
9	11/2/2019 to 16/2/2019	6		Dynamic modeling, Various Phases Adding Operation, Refining the object model Tutorial. Tutorial	Activity 3.2:	William lorensen . Ch No. 8 Pg No.148	. РРТ	8/2/10 11/2/10 12/2/1 13/2		rad o
10	18/02/1	9-23/02	2/19			Sessiona	al I			
11	25/2/2019 to 2/3/2019	6	31.º° 4	System design Overview systems Design.Allocating Subsystems Management of Data Stores.Choosin Software Control Implementation Handling Boundary Conditions, Setting Trade-Offs Priorites		Object -Oriented Modeling and Design By-Jame Rumbaugh,Mich el Blaha,Willian Premerlani, Frederick Eddy William Iorense Ch No. 9 Pg	System design PDF	15/2 15/2 16/2 83/2 95/2		
12	4/3/2019 to 9/3/2019	6		Common Architectural Framework Tutorial	Activity 4.2:	No.198	System design PD	27/ 27/ 28/	2 28/	12/1

Faculty in Charge

College of English Hingma, Hagper-441111

Dr. Millind Khanapurkar Principal Mahash Karva Stree Shikshan Sanetha's Tunning College of Engineering for Worken Internal Napour-441193

HOD

,	1			•						
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
13	11/3/2019 to 16/3/2019	6		Object Design: Overview Designing Algorithms Design Optimization Implementation of Control Adjustment of Inheritance. Design of Associations Object Representations Physical Packaging Documenting Design Decisions Tutorial	Activity 5.1: Activity 5.2:	Object -Oriented Modeling and Design By-James Rumbaugh,Micha el Blaha,William Premerlani, Frederick Eddy, William lorensen . Ch No. 10 Pg No. 227	PPT	43/19/19/19/19/19/19/19/19/19/19/19/19/19/		
14	18/3/2019 to 23/3/2019	6	6	Comparison of methodologies Information Modeling Notations Implementation using Programming Languages Implementation using Database Systems Object Oriented Reusability Extensibility Robustness Tutorial	Activity 6.1: Activity 6.2:	Object -Oriented Modeling and Design By-James Rumbaugh, Micha el Blaha, William Premerlani, Frederick Eddy, William lorensen . Ch No. 12 Pg No.266	PPT	8/3/ 9/3/ 11/3/ 12/3 13/3 14/3	9 13 Asso	Ja Ja Ja
15	25/03/19	9- 30/03/	19			Sessional	II	1000		





Faculty in Charge



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference

CCOEW/CE / 18-19

LESSON & TEACHING PLAN for SEPM

Date: 17 / 12 / 2018

Dans		-7 114 101	SCHIA
Department of C	Omnut	-	
Department of (-ompute	r Engine	Pering
		9	

EEK No.	Week	Of	Uni t No.	Exact Topic Name & Subtopic		Refrence Book -		Session	: (2018-19)	Sem:- Sixt
	17/12/18-	CCCC	NO.	Introduction,CO Discussion evolving role of software	Activity/ Teaching Aid	Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	
1	21/12/18	5		software characteristics software myths software process		""Software Engineering, A Practitioners Approach"", Tata	Chalk,	17 12 18 13 12 18 19 12 18		
2	24/12/18- 29/12/18		I	software engineering software development phases waterfall model,RAD model prototype model incremental model spiral model,WINWIN spiral model	Comparitive study of all models drawing competion of digram(all models)	MCGraw Hill Publication pg 34,36,45,53,54,71,7 9,80,81,83,86,88,10 6,110"	chalk chalk board	20/12/18 20/12/18 21/12/18 24/12/18 26/12/18	A-I 24/12/18	924
3	31/12/18- 5/1/19	6		concurrent, agile process extreme programming System Engineering: Hierarchy Business Process and Product Engineering: Overview Requirements Engineering	1.Distribute chits(story) of paper having some numbers and theory, students have to decide which chits are combine together & process 1st and also tell the feedback of story combination.	Pressman R., "Software Engineering, A Practitioners Approach", Tata MCGraw Hill	PPT, video	29/12/18 31/12/18 41/19 41/19	- 4112/18	08/0

Faculty in Charge



A	
11-0	
1	
-	

	190				0			8				
EEK No.	Week	No. Of Lect	1	1	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Chapter no,edi	e Book - no. Page tion. No	ICT tools	Completic Date	Assignment/ utorial Date	I HOD's sign I
4	7/1/19- 11/1/19	5	1	II	Initiating the process, Eliciting Requirements uilding the Requirements Model Negotiating, Validatingrequirements requirements Requirements Analysis	Make a group of Students(5 in each) one group gather requirement from other group and from that requirement they analyze, negotitate & validate requirement and make requirement table (ex. Requirement of technical committee, decoration en in anannya)	162,176, 6,208,2	181,184,19 18,226,233	PPT, Próject	111111	9	
5	14/1/19/ 19/1/19				Scenario-Based Analysis Requirements Modeling strategie Flow-Oriented Modeling Class based modeling SRS	From above activity students draw all types of modeling diagrams	the		Chalk board	14/11 14/11 16/11 16/11	119	(I)
6	21/1/1/ 25/1/1		5		Design Process Design Principles, and Concepts Effective Modular design The Design Model: Data, Architectural, Interface desi Architectural Design: Softward	1. Give them analysis of any prob statement and prepare the design model(total stackholders,outp	olem gn Er ut F	ressman R., "Software ngineering, A Practitioners oproach", Ta MCGraw	Chall book vid rta Proj	ا (۱۹۱	1/19	151
	28/1/1	9-		-	I		Anan	ya 2k19				
7	2/2/1		6	-					P	PT 25	511119 A-	正
8	4/2/ 19 8/ 2/1		5		Architectural Styles & Desi Interface Design: Rules User Interface Analysis an Design Applying Interface Design S Component- level Design	d teps	\2	Hill Publication 261,265,274,2 8,357,361,37			12/2/19	12/19
9	11/2/1		6	I	Testing Tactics: Testing Fundamentals Control Struct Testing Black Box Testing. A Strategic approach and Struct Issues of testing	one object(pen,pencil etc) &	z student	Pressma "Softw Engineer Practiti Approact	vare ring, A coners	Unulk board, PPT	13/2/19 15/2/19 16/2/19	





-						45				
No.	Week	Of Leat	t No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T	HOD's sign
10	18/2/19 22/2/19				Sessional I			1 No. 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10		
Para i	25/2/19- 2/3/19	6	of each control and control and a supersymmetry and a supersymmetry and an each control and an each contro	White Box Testing: Basis Path TestingUnit Testing Integration Testing Validation Testing. Debugging	Write simple c program &test their basic paths 2. stress testing by thread & rubberband	MCGraw Hill Publication pg 393,394,397,406,41 1,421	Chalk board PPT	16/2/19 22/2/19 23/2/19 23/2/19		
12	4/3/19- 8/3/19	5		Management Spectrum: 4 P's Critical practices Metrics in process and project domains software measurement, metrics for software quality,	Students play game that they find minum price (with quality+ duration+no. of people) of objects and make decision accordingly	Pressman R., "Software Engineering, A Practitioners	video Chark board	26/2119 27/2/19 1/3/19 4/3/19	A-III 8/3	
13	11/3/19- 16/3/19			project planning objectives software scope and feasibility Decomposition Techniques Empirical Estimation Models Specialized Estimation tech Make by decision	Mini project group tell the scop of their project. 2. Calculate cost of object with COCOMO model & numerical 3. distribution game	Approach", Tata MCGraw Hill Publication pg 629,644,650,661,67 7,696,698	Chalk board PPT	5/3/19 6/3/19 8/3/19		08/03
14	18/3/19- 22/3/19			Reactive versus Proactive S/w Risk Risk Identification, projection, refinement RMMM, Task set for software project defining a task network scheduling,	1. How they avoid risk in their problem statement 2. Students have to prepare RMMM plan for their mini project.	Pressman R., "Software Engineering, A Practitioners		10101	9	





Faculty in Charge

WEEK No.	Week	No. Of Lect	Uni t No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
15	25/3/19- 30/3/19	6	VI	earned value analysis Software Quality Factors SQA Activities Software reviews Software reliability,FTR software configuration management the SCM Repository SCM process	1. Explain any feedback form and reveiews(quality). 2. one student act as SCM coordinator & others are developers.	MCGraw Hill Publication pg 727,737,737- 740,716,722,749,75 1,762,772,780	PPT, https://www.yout ube.com/watch?v =AaHaLjuzUm8	16/3/19 18/3/19 19/3/19 20/3/19		29/53
	264/19				Sessi	onal II				1











CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE/ 18-19

Date: 17/12/2018

LESSON & TEACHING PLAN for UNIX AND SHEEL PROGRAMMIN

Department of Computer Engineering

Facu	ity Nam	ne: Pro	f. Shai	lesh C. Sahu			Year: 20	18-19	Sem:- 81	th
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
1	17/12/18 21/12/18		1	General Overview of the system: System Structure (Architecture of UNIX Systems). User Perspective (The file system, Processing Environment.)	בו]		ppt	١١١٧ء		
2	24/12/18 29/12/18	6	1	(Building Block Primitives), Operating systems services. Assumption about hardware (Interrupts and Exceptions, Processor Execution Levels, Memory Management).	[2]	The Design of Unix Operating System by- M.J Bach (4-36)	ppt	29/12-		337
	31/12/18 05/01/19	6		Introduction to kernel: Architecture of the UNIX Operating System (Block Diagram of the system Kernel). Tutorial.			ppt	05/02		100
4	07/01/19 11/01/19	5	2	Introduction to system Concepts (An Overview of the File Subsystem, Processes-State and Transitions). Kernel data structures, System administration.	(3)	The Design of Unix Operatin System by- M.J Bach (38-56)	i nn	10/11		





Salm

Faculty in Charge

				-		•				
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
5	14/01/19 19/01/19	≸ 5	2	The Buffer cache: Buffer headers, structure of Buffer pool, Scenarios for retrival of a buffer.(Scenarios no. 1 to 5) Reading and writing disk blocks. Tutorial.	<u> 14</u> 3	The Design of Unix Operating System by- M.J Bach (38-56)	video	H/0/	2	
6	21/01/19 25/01/19	5	3	Internal representation of files: Inodes (Definition, Accessing Inodes, Releasing Inodes). Structure of regular files.		The Design of Unix Operating System by- M.J Bach(67-88)	video	25/01	_	
	28/01/19 t	02/02/1	9	Ananı	nya cultur	al Festival& Alumnae	meet	S. Hillery		1
7	04/02/19 08/02/19	5	3	Directories.conventions of a path name of nodes (Algo-namei). Super block.Inode assignment to a new file (Algo-ialloc). Allocation of a disk block, other file types. Tutorial.		The Design of Unix Operating System by- M.J Bach(67-88)	video	812119	8/2/10	(0)
8	11/02/19 16/02/19	6	4	System calls of the file systems: Open, Read, Write. File and record coding seek.close, file creation, creation of special fileschange directory, root, mode and owner.		The Design of Unix Operating System by- M.J Beach (91- 140)	ppt	16/2/19		
	18/02/19 (0 23/02/1	19			Sessional I		4		_
9	25/02/19 02/03/19	6	4	stat, fstat, pipes, dup mounting and unmounting file system, File system abstraction and maintenance. Tutorial.		The Design of Unix Operating System by- M.J Beach (91- 140)	video	26/02/19	26/2	1
10	05/03/19 08/03/19	4	5	The structure of the Processes:Process states and transitions Layout. Layout of System memory, Contex of the process, saving the contex of the process.	,	The Design of Unix Operating System by- M.J Bach (147- 151 & 227-238)	ppt	08/03/19	_	$\sqrt{\frac{1}{3}}$
12	11/03/19 16/03/19	6	5	Manipulation of the process address space, sleep. Process control- Creation. Signal, termination, awaiting process termination, Invoking other programms. UID of a process, changing size of		The Design of Unix Operating System by- M.J Bach (147- 151 & 227-238)	ppt	13/03/19		



Dr. Millind Khamapurkar Principal Mahachh Kares Stres Shishan Saneshi's 'umaiss College of Engineering for Women Hoppas, Nappur-43119

Faculty Charge

			Charles the same of	Andrew Control and the Control of th						
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's
1 4 1	18/03/19 22/03/19	4		Interprocess Communication: Process tracing, System V IPC.Network communications, sockets, Managing the system and network connection in any LINUX version: Monitoring resources, Mastering Time			ppt	16103119	3	
N - AL 8	25/03/19 30/03/19	6	6.	Managing boot process, Controlling startup and Run levels. Configuring networks from the GUI, Managing Network Interface cards, Connections: using wireless connections, Troubleshooting network problems. Tutorial.		Ubuntu Linux, Toolbox by Christopher Negus.	ppt	20/03/19	20/11/19	20
0	1/04/19 to	08/04/1	9			Sessional II				-



Dr. Millind Khanapurkar Principal Waharsh Kares Stree Shishan Sanetha's Tunnias College of Expineering for Moster Hopps, Apport-40119

Scalmis ...

M

Date: 14 / 12 / 2018

LESSON & TEACHING PLAN

				CUMMINS COL	LEGE OF ENGIN	EERING FOR WO	MEN, NAGPUR			
Facult	y Name: Pro	f. Sneha U	Ittarwar					SEM Iv CE	(2018-19)	Sem:- EVEN
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	17 Dec - 22 Dec	6	I	Basic concepts of set theory, Operations on Sets, The power set	Search application of set theory in computer science	Discrete Mathematical structures by KOLMAN, BUSBY, ROSS	PPT for all topics	19/12/18		
2	24 Dec - 29 Dec	5	1	Propositions and Logical Operations, Quantifiers, Conditional Statements and Tautologie	Discuss the university question paper	Discrete Mathematical structures by KOLMAN, BUSBY, ROSS	PPT for all topics	21/12/18 Tutusal-I	*	
3	31 Dec - 5 Jan	6		Properties of Relations, Equivalence Relations & PartitionsCompatible Relation, Manipulation of Relations, Composition of Relations, Transitive Closure of a relation, Partial order relation, Partially ordered set	Dividing students into group and Solving different example	Discrete Mathematical structures by KOLMAN, BUSBY, ROSS	PPT for all topics	62/1/19 Assignment	11/01/19 Asri-T	W.
4	7 Jan - 12 Jan	5	11	Matrix of Relation, Paths in Relations and DigraphsRelations and Digraphs, Hasse Diagrams	Dividing students into group and Solving different example	Discrete Mathematical structures by KOLMAN, BUSBY, ROSS	PPT for all topics	07/1/19 Tutorsa	9	

Faculty in Charge

College of Inglight Mingra, Hogger-44111

No. of the last									The second secon
5	14 Jan - 19 Jan	5		Definition, Composition of functions, Types of Functions, Invertible Function, Permutation Function, Characteristics function of a set with Theorems.	Dividing students into group and Solving different example	Discrete Mathematical structures by KOLMAN, BUSBY, ROSS	PPT for all topics	14/01/19	
(T 0	-San	5		Generating Functions, Recurrence RelationsCounting: Permutations & Combinations, Pigeonhole Principle with Simple Applications	Dividing students into group and Solving different example	Discrete Mathematical structures by KOLMAN, BUSBY, ROSS	PPT for all topics	17/01/19 Tuhnal -III	
Top.	28 Jan - 2 Feb				A	nannya 20	19		
8	4 Feb - 9 Feb	5	V	Basic concepts of Graph Theory, Digraphs, Basic definitions, Paths and Circuits,Reachability and Connectedness,Subgraphs & Quotient Graphs	Dividing students into group and Solving different example	Discrete Mathematical structures by KOLMAN, BUSBY, ROSS	PPT for all topics	8/02/19	08/02 Asarg-11
9	11 Feb - 16 Feb	6		Isomorphic digraphs & Transitive Closure, digraph Euler's Path & Circuit (only definitions and examples	Discuss the university question paper	Discrete Mathematical structures by KOLMAN, BUSBY, ROSS	PPT for all topics	12/02/10 Tutorial	
10	18 Feb - 23 Feb					SESSIONAL -	-I		

Faculty in Charge



White the state of		25 Feb - 2 Mar	6	V	Algorithm to construct	Dividing students into group and Solving different example	Discrete Mathematical structures by KOLMAN, BUSBY, ROSS	1	16 02 19 16 02 19	
CONTRACTOR CONTRACTOR	(Fig.)	4 Mar - 9 Mar	5	13 13	Binary Operations, Properties, Semigroups, Monoids, SubsemigroupSubmonoid, Isomorphism & Homomorphism Groups (only definitions and examples)	Dividing students into group and Solving different example	Discrete Mathematical structures by KOLMAN, BUSBY, ROSS	PPT for all topics	28 0- 19 Assgn -III	
The second secon	13	11 Mar - 16 Mar	6		Subgroups and Homomorphism, Cosets and Lagrange's Theorem, Normal subgroups	Discuss the university question paper	Discrete Mathematical structures by KOLMAN, BUSBY, ROSS	PPT for all topics	TutooseV -VI. 07/03/19	
	Q4	18 Mar - 23 Mar	5		Rings, Fields, Integral Domai , Ring Homomorphism (definitions & examples)	n, Dividing students into group and Solving different example	structures by	PPT for all topics	12/03/19	





Ruth-Faculty in Charge

15 T.	25 Mar - 30 Mar	6	The follow I arrives the Fritzens &	Dividing students into group and Solving different example	Discrete Mathematical structures by KOLMAN, BUSBY, ROSS	PPT for all topics	Tutosof 21 02 19	





Faculty in Charge



Maharshi Karve Strg Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/ Department of CE/ME/ETC / 2018-19

Date: 4 /12 /2018

LESSON & TEACHING PLAN

				CUMMINS COLLEGE OF ENGINEERIN	G FOR WOMEN, NAGPUR				177
		D (D-	-bi D		Subject: Functional English	Year (20	18-19)	Sem:-	·VI
EE K	Week	No.Of Lect.	Unit No.	Exact Topic Name & Subtopic	Refrence Book - Chapter no, Page no	Completion Date	Assignmen t Date	HOD's remark	Principal
1	24 - 29 Dec.	2	2	<u>English for Competitive Exams and interview Technique</u> : IPA,Word Building,Synonyms,Antonyms,Analogies	Quick Learning objectiveGeneral English, Functional Eng.For Tech.Stu. Himalaya Pub.(pg no. 57-86)	26/12			
2	31 -5 Jan	2	1 &2	Give One word for, Phrases, Idioms and Proverbs	objectiveGeneral English,Functional Eng.For Tech.Stu. Himalaya Pub.(pg	4/1			
3	7-11 Jan	2	1	Functional Grammar: Active Passive, Narration	Functional Eng.For Tech.Str Himalaya Pub.(pg no.2-26)				
4	14-19 Jan	2	1	Functional Grammar : Common Errors	objectiveGeneral English,Functional Eng.Fo Tech.Stu. Himalaya Pub.([1 14/1 Buniq	ut L	
5	21-25 Jan	2	1	Functional Grammar: Transformation of Sentences	Functional Eng.For Tech.S Himalaya Pub.(pg no.108 110,113-129)		4		1
6	28-2 Feb			An	annya 2019				100
7	5Feb-8 Feb	2	3	Formal Correspondence (A): Business Letters(Copmplaint,Notices,Circulars,Memos)	Functional Eng.For Tech. Himalaya Pub.(pg no.132		2		
8	11-16 Feb	2	3	Formal Correspondence (A): Business Letters(Copmplaint,Notices,Circulars,Memos)	Functional Eng.For Tech Himalaya Pub.(pg no.11	1 1 1 1	2		<u> </u>







CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



NAZZ	Department o	Mechanic	al France 1	017		Date 16 12 2016
9	18-22 Feb			Sessional 1 (18	Feb- 22 Feb2019)	
11	25-2 March	2	4	Writing Resume, Interview Technique, E-mail etiquettes	Functional Eng.For Tech.Stu. Himalaya Pub.(pg no.pg	
12	4.9 March	2	4	Formal Correspondence (B): Technical Report writing	no.111-112,145-178)	
13	11-16 March	2	4	Analytical comprehension: (fictional ,non-fictional unseen text)	Functional Eng. For Tech. Stu.	
14	18-23 March	2	4	Features of Technical and Scientific writing:	Himalaya Pub.(pg no.180-207)	
	26-30 March			Sessi	onal 2	



Dr. Milind Khanapurkar Principal Maharsh Kare Stres Swisses Sawiha's Jountus College of Expressing for Worker

Por

Misk



Maharshic arve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE / 18-19

Date: 17 / 12 / 2018

LESSON & TEACHING PLAN for System Software

					epartment of Computer Er	ngineering				_
	Name: Prof.	_Abhilas	ha T. Bo	rkar				Year:	2018-19	Sem:-
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	(CT tools	Completion Date	Assignment/T	HOD's sign
				Components of system software	1) Plan to show them some				Citizer Dage	
1				Evolution of system software	graphics icon of system softwares and make them to			1770	+	
2	17 Dec-21 Dec	5	1	Language translators, Machine Structure	identify it and allow them to write something about it. 2)			-		
				Machine Structure	introducing concept on ppts			21 Dec		
-				Assembly Language instructions	and on black board		LCD, Projector and	217.0		
				Assemblers			chalk board and ppt on components of system			
				Design of two pass assembler		Systems	software by john	24 Dec		
3	24 Dec- 29 Dec	5	1	Single Pass assembler		Programming (John Donovan)	donvan	Carrietan	1	
				Data structures used for design of		Ch 01 pg no 1-14,		27265		
				assembler	-	Ch 02 pg no 21,35, 43, Ch 03 pg no.				
-	+	+		Tutorial		60-77			the second	
				Design and Implementation of two pass assembler				37 Dec	is the comment of the second	1
	24.5			Symbol Table management	1) Plan to to design structure of					
4	31 Dec- 05 Jan	5	1	Handling constants, literals, labels and Procedures	assembler by student on black board by giving them instruction with explanantion from other			Stan		
				One pass assembler design	student			Westernament of the Control of the C		
				Cross Assembler	Kairlind					

Faculty in Charge



Dr. Millind Khanapurkar Principal Maharsh Karva Stres Shikahan Sanetha's "unniss College of Engineering for Wood en Hingan, Nappur-441118

em, Res Sum Sum Sum Sum Sum Sum Sum Sum Sum Sum	ã		3 R S S	l st	g 0	의 요	2 2 2	1 2	ea. 15.	9	of e len	1 1	18	101
---	---	--	---------	------	-----	-----	-------	-----	---------	---	----------	-----	----	-----

VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion	Assignment/T utorial Date	HOD's sign
				Macro language	nacionale esperado esperado producto de la composición del composición del composición de la composición de la composición de la composición de la composición de la composición del composición de la composición de la composición de la composición de la composición de la composición del composición del composición dela composición del composición del composición del comp		LCD, Projector and chalk board and ppt on	4- Jon -	-	l)
	7 Jan-11			Macro processor,	1		assembler by John			\)
5	Jan	5	2	Macro instructions	'h		donvan	11 Jun		X
				Features of macro facility	1)Plan to Revise the concept of C	Systems Programming				
				Design of Macroprocessor	languange in which Macros was used. Student allow to use macros			-		
				One pass macroprocessor	in program by their own	no 60-77		14 Jan	,	
	14 Jan-			Design of two pass macroprocessor				19 to	.	//
6	19 Jan	5	2	Macro within Macro				270	"	V
	13 Jan			Macro Defining Macro				1		\
				Tutorial		a contract to the first of the contract of the				
			2	Design of Macroprocessor-macro calls				91 21		1)
				within macro	1	Systems	LCD, Projector and	37 70	7	11
				Loader schemes, Complier and go"		Programming	chalk board and	.		11
7	21 Jan-	5		Loaders		(John Donovan)	animated video o		₹O:	11 120
	25 Jan		3	general Loader scheme	-	no 111-136	shaun micheal stone memory manageme	,	1	
				absolute loaders, subroutine linkages			memory manageme			/
				relocating loaders						1
					Anananya Culturel festival	28 Jan-2 Feb				
	-	Minthesia Company	The second secon	Direct linking loaders	1) Plan to show them loading	Systems		1 , , ,	. 1	1)
- 1				Overlays,	procedure by the loader in	Programming	.	14 4	eb	1 1
8	04 Feb-	6	3	Basic loader function	animated way	(John Donovan)		1		1 1
8	08 Feb		3	Dynamic Binders		no 111-136		nd T	Peb	1 1
- 1				Design of an absolute Loaders		no 111-136	chalk board an	d 8-	- Yes	\ \ \
- 1	- 1			Tutorial			animated video			
\neg				Design of a Direct – Linking loaders	plan to show concept of memory management in		shaun micheal sto	ne on .	. \	
- 1			3	Design of a Direct – Linking loaders	animated video	Systems Programmir	memory manage	ment 11	es	
	11 Feb-	.	3	Numericals based on loaders		(John Donovar		١.	1.	
10	16 Feb			Numericals based on loaders		no 152-17	5 5 5 5	1 18	1 60	
- 1		6		Basic Compiler Function	7	no 152-176	"	1,		
- 1	1	1	4	coole compiler to the	7	1	ı	1		1



Dr. Millind Khanapurkar Principal Mahash Karve Stree Shishan Sanaha's Sulmines College of Engineering for Mooken

Faculty in Charge

-												
WEE No.	*/	Week	No.		Unit No.	Exact Topic Name & Sub-opic	Activity/ Teaching Aid	Refrence B Chapter no. rage no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
			la constitution of the con				18 feb-22 feb Sessiona	l-1	10 10 10 10 10 10 10 10 10 10 10 10 10 1			The state of the s
					L	exical Analysis – NFA and DFA	* ***			22 10		
	25	Feb-			A 1	Intermediate code generation –three address code intermediate code forms	Plan to revise the concept of theory of computation and giving			22 10		
11	1	Mar	6			Top down v/s bottom up parsing	them task of design of NFA and			1 (1	1 /
1	1			Г		Unix Device Drivers	DFA			\ .\.		/
					5	Basic device driver operation Implementation with Line printer			LCD, Projector and chalk board and PPTS	28/2		/.
	\top		1			Comparison unix Vs Windows (TuTorial)		on Compiler	1.	/	1
1	1		1	- 1		Device Programming	understanding the concept by	5.1		1/3	/	1
1	14	Mar-	8	- 1		Installation and Incorporation of driver	the confidence of the control of the				1 (
1	2	Mar		6	5	routines	example showing them differents			\	. \	
1	- 1		1	- 1		Basic device driver operation	Parts of car and consider as a	Systems)		L
1	1		1	- 1		Basic device driver operation	device	Programming		413		
-	\rightarrow		+	_		(Tutorial)		(John Donovan) pg		40		
	13	11 Ma 16 Ma	1	6	6	Case study of Intel®64 and IA-32 Processors	plan to give activity as a seminar to understand the concept by giving real time example for each device driver	no 265,279		5/3		
	14	18 Ma 22 Ma		5	6	Case study of Intel®64 and IA-32 Processors	case study will perform as a grou activity	Unix Device	LCD, Projector and chalk board and PPTS on unix device driver by self made	1 1		We was
	15	25 Mai Mai		6	(Case study of Intel®64 and IA-32 Processors	case study will perform as a grou activity	drivers by George Pajani		1413	,	

Faculty in Charge





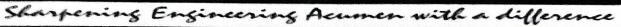
1 Apr- 8 Apr Sessional-1





Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/CE / 18-19

Date: / / 2018

LESSON & TEACHING PLAN for NCT

				D	epartment of Compute	r Engineering				
Faculty	Name: Pro	f. Pravin	Khawse					Year :	2018-19	Sem:- <u>IV</u>
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	17/12/18- 21/12/18	S	I	Cource Outcomes of Subject Numerical Methods, Problem solving & computers Bisection method False Position Method:		Numerical Methods (T Veerarajan)		21/12	/	
2	24/12/18- 29/12/18	5		Newton-Raphson Method Simple Iteration method Tutorial		- [Ch 3 Page 47- 102]		29/12.		904
3	31/12/18- 5/1/19	6		Solution of Simultaneous Equations Gauss Elimination Method Gauss- Jordan Method		Numerical		05/01		19/01
4	7/1/19- 11/1/19	5	II	Gauss- Jordan Methods Matrix methods & Inversion method		Methods (T Veerarajan) [Ch4 Page 103- 160]		11/01		
5	14/1/19- 19/1/19	5		Interpolation: Lagranges Interpolation Tutorial				19/01		
6	21/1/19- 25/1/19	5		Numerical Integration: Numerical integration by Trapezoidal Rule				28/01	and a second property consistence of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the second consistency of the sec	
ENG.	28/1/19-		Oly me and the last last		Ana	nnya-2k19				

Faculty in Charge

Hingna, Hopper-441111

Dr. Millind Khanapurkar Principal Maharsh Karre Stree Shiskan Sanetha's Tunnies College of Expreering for Women Hopps, Naport Addition De.

DOH

						-				
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools		ssignment/T utorial Date	HOD's sign
8	4/2/19- 8/2/19	5		Numerical integration by Simpson's Rules Numerical integration by Gaussian Quadrature		Numerical Methods		06/02		
9	11/2/19- 16/2/19	6	III	Numerical Differentiation: Numerical Differentiation by Newtons Forward Interpolation Formula Tutorial		(T Veerarajan) [Ch4 Page 269- 310]		12/02	Assign -1	19/02
10	18/2/19- 22/2/19				Se	essional I				J
11	25/2/19- 2/3/19	6		Correlation & Regression: Coefficient of correlation, Rank correlation coefficient Curve Fitting: Linear/NonLinear Fit		(D T Deshmukh) [Page 835-890]		01/03.		
12	4/3/19- 8/3/19	5		Sampling, Frequency Distribution: Various Types of Distributions Measures of central Tendency		Mathematics & Statistics		08/09-	Assign	2
13	11/3/19- 16/3/19	1 6		Measures of Dispersion Moment Tutorial	ts	(Ajay Goel)		16/0		
14	18/3/19- 22/3/19	1 4		Test of significance: Introduction, Need for testing T-test, Z test	he	Mathematics & Statistics		neju		
15	25/3/19- 30/3/19	6		The F-test The (chi-square)-test. Tutorial		(Ajay Goel) [Page 786-802	1	Se a	7/101/1/26191	NR
16	1/4/19- 8/4/19					Sessional II				dal









Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEMICE / 18-19

Date: 17 / 12 / 2018

LESSON & TEACHING PLAN for STQA

				БСР	artmnet of Compute	er Engineering				
acult	Wame: Pr	rof. Sw	ruchi l	Gtey			1 = 1 < 1 / 2	Session:	(2018-19)	Sem:- Eight
Mee K Mo.	Week	Mo. Of Deat	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
	17/02/1 6 21/42/16	*		Need of testing, Errors, Faults, Defects, failures, Unit Testing, Integration Testing			Phalk	18/12/18 19/12/18 20/12/18 21/12/18 24/12/18		
2	24/82/88- 29/82/88	***		Central issue in Testing, Testing activities, System testing, Objectives of Testing,		Software Testing & Quality Assurance by Kshirsagar Naik & Priyadarshi Tripathi (Wiley)	Projector	2012/18 27/12/18 28/12/18 29/12/18		07/01
3	31/02/08- 5/0/19	6		V-model,Sources Of information for Test Cases, Monitoring & measuring test execution,	Make students Group and give them one object(pen,pencil etc) & student will write test cases		Chouk	31/12/18 4/11/19 5/1/19 7/1/19		
4	7/0/0 9 - 00/0/0 9	5		Test Tools & Automation, Limitation Of TestingConcept of unit testing, Static unit testing, Defect Preventions,	1.Introduce students one automation tool for testing(ex. WinRunner,QTP 8.2,Loadrunner 8.0)	S/w Testing Concept & Tools by Nageswara Rao Pusuluri	Chalk board video	8/11/19 9/11/19 10/1/19		







Faculty in Charge

-	8/2/19	5	1111	coverage criteria, Generating Test input		Software Testing & Quality Assurance by Kshirsagar Naik & Priyadarshi	PPT ?	12/19 3/2/19 12/2/19 13/2/19		(3/2)	
9	11/2/19- 16/2/19	6		example of Test data selection.Introduction to Data flow testing. Data flow graph, Data flow Testing criteria, Comparison of Data flow Test selection criteria.		Tripathi (Wiley)	Chailk board video	14)2)19 15/2/19 19/2/19	A-IL		
10	18/2/19- 22/2/19				Sessional	I					
11	25/2/19- 2/3/19	6	IV	System Integration: Introduction,Different types of interfaces & interfaces errors, System integration techniques, Software & Hardware integration		Software Testing & Quality Assurance by	PPT Projectos	22/2(19 23/2/19 25/2/19 25/2/19			

WEE K No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
12	4/3/19- 8/3/19	5		Test Plan for System integration,Off-the Shelf component integration, Taxonomy of system Test, Basic Test, Functionality test,Robustness Test		Priyadarshi Tripathi (Wiley)	Chalk board PPT	2712/19 28/2/19 1/3/19 2/3/19		3
13	11/3/19- 16/3/19	6	v	Performance Test, Scalability Test, Stress Test, Load & Reliability Test, Regression test, Documentation test, Test Cases and Necessity of Test Case Documentation	5	Software Testing & Quality Assurance by	PPT Projector	4/3/19 5/3/19 6/3/19 7/3/19 8/3/19	A-III) 121
14	18/3/19- 22/3/19	1 4		Functional specification based Test Case Design, Use Cases based Test Case Design, Application based Test cases Design, Levels of Test Execution Acceptance criteria		Kshirsagar Naik & Priyadarshi Tripathi (Wiley)	PPF Projecton Nideo	41319 11/319 12/319 13/3/19 14/3/19		29
15	25/3/19 30/3/1		6	Selection of acceptance criteria, Acceptance Test Plan, Acceptance te execution, Acceptance Test report,Fi views of software Quality, ISO 9126, 9000:2000 software quality Standar	ne ISO	Software Testing & Quality Assurance by Kshirsagar Naik & Priyadarshi Tripathi (Wiley)		19319 18319 18319 18319 20311		
10	5 1/4/19				S	essional II		1	-	





M'



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





Date: 17/12/2018

CCOEW/CE/ 18-19

LESSON & TEACHING PLAN for EXPERT SYSTEM DESIGN

					Department of		ngineering				
					Department of the contract of	Computer E	nge	Year: 2	2018-19	Sem:- 8	th
cult	y Nam	e: Pro	f. Sha	iles	h C. Sahu		Refrence Book - Chapter no.		Completion	Assignment/	ног
EEK No.	Week	No. Of	Unit No.		Exact Topic Name & Subtopic	Activity/ Teaching Aid		ICT tools	Date	Tutorial Date	sig
_	17/12/18		1	E,	xpert system & AI, Expert System naracteristics.		Peteer J.F. Lucas and Linda C. Van Der Gaag, "Priniplees	ppt	21/14		\bigvee
	21/12/18	1 3	+	E	xpert System Structure, Heuristic Reasoning, User		of Expert Systems (2-12)"	ppt	29/12		L
2	29/12/1	8 0	1	1	nterface. Tutorial. Logic and Resolution: propositional logic, first		"Peteer J.F. Lucas and Linda	ppt	05/0/	_	1 2
3	05/01/	19	+	-	order predicate logic. causal logic form of logic, resolution and		C. Van Der Gaag, "Priniplees of Expert Systems (16-43)"	ppt	11/01	11/01/19	
4	07/01/ 11/01/		- 2	2	propositional logic.Tutorial. Production Rules and Inference: Knowledge			video	<u> </u>		1
5	14/01 19/01		5	3	representation in a production system.		"Peteer J.F. Lucas and Linda C. Van Der Gaag, "Priniplees		25/01	(2)	H
6	21/0		5	3	Inference in a production system,Pattern recognition,production rules.		of Expert Systems (78-131)"	video	08/02		4
	28/01	/19 to 0	2/02/19			nnya cultu	ral Festival& Alumna	e meet	T .	T / 1.	T
	04/0	2/19	5	3	Production rules as a representation formalism, Tutorial.		"Petcer J.F. Lucas and Linda	video	62	12/02/10	
	o 11/	02/19	6	4	Frames and Inheritance: Semantic nets, Frames and single inheritance: tree like frame taxonomic File Merging: Sorting of large files on disks.	es,	C. Van Der Gaag, "Priniplees of Expert Systems (142-202)"		161-		K
	18/	2/19 to	23/02/19				Sessional I				7

Faculty in Charge



Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's
25/02/19 02/03/19	6	4	Exceptions inheritance and attribute facts, Frames and multiple inheritance, frames as a representation formalism. Tutorial.			video	03/03/19	09/5/19	
05/03/19 08/03/19	4	5	Reasoning with Uncertainty: Production		"Peteer J.F. Lucas and Linda	ppt	13103129		
		5	Bayes' theorem, application in rule based expert system, The subjective Baysian method, the certainty factor model, Dempster-Shafer theory, Network model. Tutorial.		of Expert Systems (208-255)"	ppt	1103/19	16/03/19	
		6	History of artificial neural networks, Neural information processing, hybrid intelligence, basic concept of neural network.		I imin Eu. " Neural Networks	ppt	18103119	_	
		6	biological neural system, single layer perceptrons, multilayer perceptrons, supervised and unsupervised learning, neural network learning. Tutorial.		in Computer Intelligence"	ppt	20/03/19	20/3/19	
	25/02/19 02/03/19 05/03/19 05/03/19 08/03/19 11/03/19 16/03/19 22/03/19	25/02/19 6 05/03/19 6 05/03/19 4 11/03/19 16/03/19 6 18/03/19 4	Week Lect. No. 25/02/19 02/03/19 6 4 05/03/19 08/03/19 4 5 11/03/19 16/03/19 6 5 18/03/19 22/03/19 4 6 25/03/19 6 6	Exceptions inheritance and attribute facts, Frames and multiple inheritance, frames as a representation formalism. Tutorial. Reasoning with Uncertainty: Production rules, inference and uncertainty, probability theory: the probability function, conditional probabilities. Bayes' theorem, application in rule based expert system, The subjective Baysian method, the certainty factor model, Dempster-Shafer theory, Network model. Tutorial. History of artificial neural networks, Neural information processing, hybrid intelligence, basic concept of neural network. biological neural system, single layer perceptrons, multilayer perceptrons, supervised and unsupervised learning, neural network	Week No. of Lect. Unit Lect. Exact Topic Name & Subtopic Teaching Aid 25/02/19 02/03/19 02/03/19 02/03/19 10 02/03/19 08/	Week No. Lect. Ohit Lect. Exact Topic Name & Subtopic Teaching Aid Page no,edition. No 25/02/19 02/03/19 0	Week No. or Lect. One Lect. Exact Topic Name & Subtopic Teaching Aid Page no,edition. No Teaching Aid Page no,edition. No 25/02/19 02/03/19 02/03/19 02/03/19 08/03/19	No. Of Lect. No. Exact Topic Name & Subtopic Teaching Ald Page no,edition. No Date	No. Of Lect. No. Exact Topic Name & Subtopic Subtopic Tutorial Date

offeque of fagging the state of

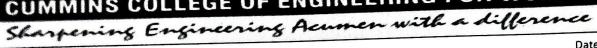
Dr. Millind Khanapurkar Principal aharah Kare Stres Shishan Sanetha's unnias College of Engineering for Women Wingos, Nagou-441118

Faculty in Charge



Maharshi Karve Stree Shikshan Samstha's

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





Date: 17/12/2018

CCOEW/CE/ 18-19

LESSON & TEACHING PLAN for UNIX AND SHEEL PROGRAMMIN

		D6	Chail	esh C. Sahu			Year: 2	2018-19	Sem:- 8	th
WEEK	ty Nam	No. Of	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
1	17/12/18 21/12/18	5	1	General Overview of the system: System Structure (Architecture of UNIX Systems). User Perspective (The file system, Processing Environment.)	בו]		ppt	21112		
2	24/12/18 29/12/18		1	(Building Block Primitives), Operating systems services. Assumption about hardware (Interrupts and Exceptions, Processor Execution Levels, Memory Management).	델	The Design of Unix Operating System by- M.J Bach (4-36)	ppt	29/12-		30%
3	31/12/11 05/01/15		1	Introduction to kernel: Architecture of the UNIX Operating System (Block Diagram of the system Kernel). Tutorial.			ppt	05/02		100
4	07/01/1		2	Introduction to system Concepts (An Overview of the File Subsystem, Processes-State and Transitions). Kernel data structures, System administration.	[3]	The Design of Unix Operating System by- M.J Bach (38-56)		10/0/		





- July

Faculty in Charge



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/CE / 18-19

Date: 10 /12 / 2018

LESSON & TEACHING PLAN

	JEW/CE / 18-13			LESSON & CUMMINS COLLEGE OF EN	TEACHING P	LAN WOMEN, NAGPUR				
	ty Name: Prof. V	idva S. Ra	ut .	Subject:Wireless Communication and Mo		Department: Compute	r Engineering	SEM : 8	thSemCE(201	3-19)
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
1	17/12/2018 to 21/12/2018	5		WIRELESS COOMUNICATION: Introduction to Wireless communication, Radio Frequencies, Objectives, Tutorial.		Wirless Communication Second Edition by	https://nptel.ac.i n/courses/1171 02062/	21/12	,	
2	24/12/2018 to 29/12/2018	5	1	The cellular Concept, System design & fundamentals, Frequency reuse, Channel Assignment & handoff strategies, Tutorial.	Activity 1.1:	Theodore S. Rappaport Page No 57 to 93 and 551 to 563 https://www.tutorials	https://www.yc utube.com/wate h?v=J8LOkgS 7oY	31/12		
3	31/12/2018 to 5/1/2019	6		Adjacent Channel interference, cell splitting, Sectoring. Tutorial.		point.com/gsm/index. htm	https://nptel.ac n/courses/117 02062/6		M. 517	
4	7/1/2019 to 11/1/2019	5		INTRODUCTION TO GSM: Architecture, Radio Subsystem, Channel types, Gsm frames Structure, Tutorial		Mobile Communication- Jochen Schiller, Adison Wesley, 2000 Page No 93 to 130	https://nptel.ac n/courses/117 02062/37			
5	15/1/2019 to 19/1/2019	5	2	SDMA-FDMA-TDMA-CDMA, Cellular wireless networks, Wireless LAN-IEEE 802.11 standards: Architecture, services, Tutorial	Activity 2.1 :	and 72to 89 Page No 201 to 269 Wirless Communication		3N 10/13/13 16/14	T:21/1	
6	21/1/2019 to 25/1/2019	5		MANET: Wifi& Wimax, Wireless local loop, routing,HIPERLAN, Bluetooth. Tutorial		Second Edition by Theodore S. Rappaport Page No 449 to 463	PPT	24,24/25/1	A3631	
7	28/1/2019 to 2/2/2019	6			Ananya (Cultural Program				1



8	8/	/2/2019	5		routing protocols:- DSR,AODV,	Activity 3.1:			7/2		, \
9	-	1/2/2019 to 5/2/2019	6	3	reactive routing- Location Aided routing- Mobility models- Entity based-group mobility-Random ways point mobility model.		,	PPT	13/2		
10		18/02/19	-23/02/	19			Sessional I			J	
11	2	25/2/2019 to 2/3/2019	6		MOBILENETWORKS LAYER: Mobile IP, dynamic host, configuration protocols, Adhoc Networks.Tutorial	Activity 4.1:	Mobile Communication-	PPT	25/2,	0	
12	2	4/3/2019 to 9/3/2019	6	4	MOBILE TRANSPORT LAYER: Traditional TCP, Indirect TCP, Snooping TCP, Mobile -TCP, Transaction oriented TCP.Tutorial		Jochen Schiller, Adison Wesley, 2000 Page No 303 to 343 Page No 351 to 355	PPT	27/2 28/2 1/3/4	7:413.	
1	13	11/3/2019 to 16/3/2019	6	5	MOBILE NETWORKS: Issues & challenges- Security issues, Authentication in Mobile application, privacy issues, power management, Energy awareness computing, Tutorial Mobile IP&Adhoc Network -VOIP application. Tutorial	Activity 5.1:		PPT	513 613 713 813	Asion 2	Say
	14	18/3/2019 to 23/3/2019	6	6	PROTOCOLS & TOOLS: Wireless Application protocol-WAP: Introduction of WAP, architecture, treatment of protocols. Bluetooth: User Scenarios, physical layer, MAC layer, Networking security, Link management & J2ME. Tutorial	Activity 6.1:		PPT	11/3 12/3 13/3	Aso J3	
ŀ	15	25/3/201	19 to 30	/3/2019			Sessional II				

Ringna, Hogper-441118

Dr. Millind Khanapurkar Principal Mahank Kizin Stree Shikhana Sanethu's 'unmins College of Engineering for Weaker Water Ship College of Engineering for Engineerin

Faculty in Charge



Maharshi Karve Stree Shikshan Samstha

CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Sharpening Engineering Acumen with a difference

Date: / / 2018

CCOEW/CE / 18-19

LESSON & TEACHING PLAN for Concpets In Computrer Engineering

				Departi	nent of Com	puter Engineering	,		2019 10	Sem:- 8'th
aculty	Name: Prof.	Sakshi Kh	namanka	ar		Subject:-RTS		Year:	2018-19	Jenn o an
WEEK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
No. 1	17Dec - 21Dec	5		Definition of RTS, Issues in real time computing Digital Control, Signal Processing Characterizing RTS.	Give task to find out problem defination/ problems	Real Time system by C.M.Mishra pg- no1,3,4,7,10 Pg-no 13,15	ppt will show	7/12/18 18/12/18 19/12/18 20/12/18 2/1/2/18		
2	2417 Dec 29Dec	5	1	Performance measures of RTS- properties of performance measure, Performability cost function and hard deadline - Estimating program real time	related with real time system	pg-no 19 pg-no 23,25, 26 pg-no 29 to 35		26/12/18 26/12/18 27/12/18 28/12/18 28/12/18		090
3	31Dec-5 Jan	5		Analysis of source code, pipelining, dependencies. Task Assignment and scheduling Types of tasks, Timings, precedence, resource const	Given small case studies on different topics	pg-no 40 to 44	Related topics pdf & ppt will show	2 1 19 3 119 4 119 5 119 3 119 8 119		
4	7 Jan-11 Jan	5	2	classification of scheduling algorithms, priority driven approach for periodic and aperiodic task, Non preemptive method(EDD), preemptive methods(EDF and LST), Ra	te	Internet and note	Related topics pdf & pp	91 119 101119 11 11119 1411119		05
5	14 jan- 19 Jan	1 5		EDF and its variants for periodic tasks, Resource and resource access scheduli blocking and priority inversion, priorit	ng	Internet and note	will show	211119	9	Kniding



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan Sem. VI

Date: 17/12/201

	CUMMII	NS COLLEG	SE OF EN	GINEER	RING FOR	WOMEN,	NAGP	JR		
Facul	ty Name: Prof. Pratik Hepat				Subject: DA	A	for	Departr	ment: Comp	uter Er
MARINAMENTA		Ba	tch B1		В	atch B2		В	atch B3	
Pi	Name of experiment	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done
print	print	print	fill	fill	print	fill	fill	print	fill	fill
P1		21/12/18	29/12		20/12/18	27/12		18/1/2018	18/12	
P:	sort, heap sort. write a program to implement binary search for minimum and maximum in a list using divide and conquer strategy.	28/12/18	3101		27/12/18	7/1		1/1/2019	4/1	194
P	Find minimum cost spanning tree using prims algorithm.	4/1/2019	10/1		3/1/2019	21/01		8/1/2019	19/1	
p.	krushkai aigorium.	11/1/2019	8/2		10/1/2019	5/2		15/1/2019	17/1	
P	Implement a given vertex in weighted connected graph . Find shortest path to other vertices using Dijikstra's algorithm.	18/1/2019	15/2		17/1/2019	14/2		22/1/2019	12/2	
P	Implement binary search algorithm to	25/1/2019	22/2		24/1/201	9 18/2		5/2/2019	13/2	





P7	Implement BFS algorithm	8/2/2019	01/03	7/2/2019	09/03	12/2/2019	13)02	
P8	Implement DFS algorithm	15/2/2019	01/93	14/2/2019	09/03	26/2/2019	13/02	
1 24	Implement N-queens problem using backtracking	1/3/2019	08/03	28/2/2019	16/03	5/3/2019	20/03	
P10	Find a subset of a given set S={S1,S2,Sn} of n positive integer who is equal to a given positive integer	8/3/2019	15/03	7/3/2019	16/03	12/3/2019	20/03.	

HOD

Subject





A.

Faculty in charge

alle



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan Sem. VI

Date: 1/ / 1/

	· CUMMINS	COLLEGI	E OF ENGIN	IEERI	ING FOR W	OMEN,	NAG	PUR			
Facult	y Name: Prof. Suruchi Kitey				Subject: SEF	PM	for	Departmen	nt: Comput	er Eng	ineering
			Batch B1		Ba	tch B2		Ва	tch B3		
Pi	Name of experiment	Planned Date	Perform Date	No. of	Planned Date	Perform Date	No. of Viva	Planned Date	Perform Date	No. of Viva	HoD's Remark
print	print	print	fill	fill	print	fill	fill	print	fill	fill	fill
	Introduction to rational rose software		8 18/12/18		21/12/18	18/12/16		20/12/18	20/12/18	7	
	To perform user's view analysis: Use case diagram	1/1/2019	21/12/18		28/12/18	21/12/18		27/12/18	8/1/19		
, 3(4)	To draw structural view diagram: Class diagram,object diagram	8/1/2019	10/1/3/19		4/1/2019	28/12/18		3/1/2019	22/11/19		
C	o draw structural view diagram: lass diagram,object diagram using	15/1/19	10/1/19		11/1/2019	28/12/18		10/1/2019	22/11/9		(9)
dia	draw the behavioral view agram: Sequence diagram	22/1/19	17/1/19		18/1/19	11/11/19		17/1/19	5/2/19		18
dia		5/2/2019	7/2/19		25/1/19	8/2/19		24/1/19	5/2/19		
6 diag	Traw the behavioral view	12/2/19	12/2/19		8/2/2019	15/2/19		7/2/2019	12/2/19		1
diagr	raw the behavioral view am: Activity diagram	26/2/19	26/2/19		15/2/19	1/3/19		14/2/19	28/2/19	+	
To dra diagra	aw implementation view m: Component diagram	5/3/2019	5/3/19		1/3/2019	8/3119		28/2/19	7/3/19		
10 ara	w enviromental view diagram:	######	12/3/19		8/3/2019	15/3/19		7/3/2019	14/3		
To du		9 /3/19	19/3/19		15/3/19	12/3/19	1	14/3/19			







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Starpening Engineering Accomen with a difference



Lab Practicals Plan Sem. IV

Date: 10 /12 / 2018

CCOEW/	CE / 18-19	CUMMINS COLLE	GE OF EN	GINEERING	FOR W	OMEN, NAC	SPUR				•	2 40 65
aculto	Name: Prof. Vidya S Raut	Subject: Object Oriento			for		Departm	ent: Comp	uter Engin			Sem:4th CE
acuny	Value. 1 tol. vie. 2 s s s s			Batch B3			Batch B2			Batch B1	No. of Viva	
			Planned	Perform Date	No. of Viva	Planned		No. of Viva done	Planned Date	Perform Date	done	HoD's Remark
Pi	Name of experiment		Date	80980000000000000000000000000000000000	done fill	Date print	Date fill	fill	print	fill	fill	fill
print	print	possible Variations used	print	fill	1111	princ						
1	Study the basic concept of Object Oriented Programming language.	Study about basic concepts C languages, ie variables, functions.	17/12/18	31/12	7	20/12/18	20/12		21/12/18	20/12		h-
	Write a simple C++ program to read and display the information, by using simple	Program using simple function in main and class Employee and	24/12/18	1.3.		27/12/18	27/2		28/12/18	27/12		
2	main function, and implement the same by using the concept of class and object.	Class Rectangle, Account class.	07/01/19	7/1/19	14	3/1/2019	3/1		4/1/2019	4/1	-	10
3	Write a C++ program by using default and parameterized constructer.	Program for Person and Book constructer using default and parameterized constructer.	14/1/19 21/1/`19	14/1/1	,	10/1/2019 17/1/19	10/1		11/1/2019	11/1	-	1
4	Write a C++ program using the concept of function overloading.	Program for to print absolute value and print different data type values.	4/2/19	1/2/1	3	24/1/19 7/2/2019	712		25/1/19 8/2/2019	8/2	-	1
5	Write a C++ program using the concept of operator overloading	Program to overloading '+' Operator to add two time object And to concatenate two strings	25/2/19	25/2/1	3	14/2/19	14/2	2	15/2/19	15/2	_	1
6	Write a C++ program using the concept of inheritance	Program on different types of inheritance.	4/3/2019	4/3		28/2/19	28/2		21/2/20	19 22	2	
7	Write a C++ program to implement the concept of Abstract class.	Program to implement abstract class Vehicle.	11/3/201	11/3		7/3/201	9 71:	3	1/3/20	19 1/	3	\perp
8	Write a C++ program to implement the concept of Exception Handling.	Program on different types of Exception.	18/3	18/3		14/3/19	9 141	3	15/3/	19 15	13	





Faculty in charge



Maharshi Rarve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE / 18-19

Date: 15 /06 / 2018

LESSON & TEACHING PLAN

						CHING PLAN	SAL MACRUID			
				CUMMINS COLL	EGE OF ENGINE	ERING FOR WOM	EN, NAGPUK			
Faculty	/ Name: Prof	Vid	ya S. Rai	ut		Subject: ICN		SEM : 3rd	_CE_ (2018-19)	Sem:-
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/Tut orial Date	HOD's sign
1	18/06/18- 22/06/18	4		Introduction about Subject,Data and Signal,Bandwidth,Data Communication – Components, Data Representation, Data Flow,Tutorial	Activity 1.1: Showing Communication Components in Lab Activity 1.2: Picture Prompt	Data	https://youtu.be/iV- YqG70wbQ from KhanAcademy https://youtu.be/tJW_a6J eXD8 https://youtu.be/- _xZZt99MzY	20/6/18 21/6 21/6 21/6 22/6.	T. 2216	
2	25/06/18- 30/06/18	5	1	Networks –Network Criteria, Physical Structure (Types of Connection, Physical Topology), Categories of Network (LAN, WAN, MAN), Interconnection of Network, Internet, Protocols and Standards, Network Model – Layered Tasks, Tutorial	Activity 1.3 : Showing LAN Network and Topology in Lab.	Communications and Networking by Behrouz A Forouzan Pg. no.3 ,29-50,89 Computer Network By Andrew S. Tanenbaum Pg No. 3-237	et/shafaan/chapter-1- introduction-to-data- communication-and-	22/6 25/6 26/6 27/6 28/6 29/6	T: 30/6	(a) 0
3	02/07/18- 07/07/18	5		The OSI Reference Model, Introduction to TCP/IP Protocol Suite,Addressing – Physical, Logical,Specific Port Addressing ,Specific Addressing ,Tutorial	Activity 1.4 :Drawing Competition Activity 1.5 Knowledge Probe		1. LAN MAN WAN.pdf by Version 2. CSE IIT, Kharagpur OSI Layering.pdf	314		

Faculty in Charge



Dr. Millind Khanapurkar Principal Maharsh Karva Stras Shikkhan Sanetha's Junnies Cellege of Engineering for Wosten Nagan, Nagan-41118.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/Tut orial Date	HOD's sign
9	13/08/18- 18/08/18	4	3	Selective Repeat ARQ Multiple Access Control,Random Access Protocols (ALOHA, CSMA, CSMA/CD, CSMA/CA) IEEE Standard 802 for LAN – 802.3,802.4, 802.5 Tutorial	Activity 3.2: Knowledge Probe	370,373,377, 395	PDF File of "Indian Institute of Technology Madras. Prof. Hema A Murthy	19/8 20/9 21/9 21/9	T:21/9	
10	20/08/18- 24/08/18	3			Activity 4.1: Problem solving Practice in group.	Data Communications and Networking by	PDF File of, Indian Institute of Technology Madras	27 8 23/8 23/8	7:24/8/	
11	27/08/18- 01/09/18	5		Routing – Routing Algorithm Distance Vector Routing, Link State Routing, Congestion and Congestion Control Open Loop, Closed Loop Tutorial	Activity 4.2: Knowledge Probe	Behrouz A Forouzan Pg. No. 549	PDF File of, Indian Institute of Technology Madras	23/3 29/3 20/3 1/9		The state of the s
12	03/09/18- 07/09/18	4		Transport Layer: Objectives of Transport Layer Process to Process Delivery Addressing IANA Ranges, Socket Addresses	Activity 5.1: Problem solving Practice in group.	Data Communications and Networking by Behrouz A Forouzan Pg. No. 799	PDF File of, Indian Institute of Technology Madras	419 619 719 1179	AsyNos	7 1910
13	10/09/18- 15/09/18	4	5	Multiplexing and De – multiplexing Reliable and Unreliable Services Quality of Service Traffic Shaping policies Tutorial	Activity 5.2: Knowledge Probe	Data Communications and Networking by Behrouz A Forouzan Pg. No. 549 TCP/IP Protocol	PDF File of, Indian Institute of Technology Madras	1219 1419 1719 1819	T:1815	







WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/Tut orial Date	HOD's sign
4	09/07/18- 13/07/18	4		Physical Layer: Physical Layer Objectives, Transmission Media – Wired and Wireless, Switching – Circuit switching Network, Tutorial	Activity 2.1: Playing a card game to explain switching techniques	Data	https://www.slideshare.net/mukeshnt/chap-8-switching. https://www.slideshare.et/mehmood3182/chapthttps://www.slideshare.et/waqas1234/lecture3physical-layerpresentation	11/7	7:1214	
5	16/07/18- 21/07/18	5	2	Datagram Network, Virtual Circuit Network, Digital Transmission, Digital to Digital Conversion, Tutorial	Activity 2.2: Problem solving Practice in group.	Communications and Networking by Behrouz A Forouzan Pg. no.101-129,141-155	et/WayneJonesJnr/chap er-4-digital-transmission	1817	P	30 los
6	24/07/18- 27/07/18	1 5		Analog to Digital Conversion, Analog Transmission, Digital to Analog Conversion, Analog To Analog Conversion, Tutorial	Activity 2.3: Problem solving Practice in group. Activity 2.4 Knowledge Probe		https://www.slideshare.r et/AhmarShoebHashmi. 05-analog-transmission	2717	301718	01,
7	30/07/18- 04/08/18	1 5	3	Data Link Layer: Design Issues of Data Link Layer,Framing, Logical Link Control Protocols for Noiseless Channel (Simplest, Stop-and-Wait), Protocols for Noisy Channel Stop-and-Wait ARQ, Go-Back-N ARQ	Activity 3.1: Problem solving Practice in group.	Data Communications and Networking by Behrouz A Forouzan Pg. no 307,312,318,324,33	Madras. Prof. Hema A	1/8 2/8 3/8 4/8 16/8,1	て、1刊8 718:	
8	06/0	08/18-10/0	8/18			Session	nal I			
STOCKET MANUAL	Wood			Magani (1111)		Dr. Milind Khanapurkar Principal Masekh Kava Strus Shinasan Saretha's Tunnies Cillipas Gipasening Stribus Wingas Nagori-41118	HOD			

Faculty in Charge



WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/Tut orial Date	HOD's sign
1.4	17/09/18- 21/09/18	4	6	User Support Layers – Session, Presentation, Application Session Layer – Introduction Presentation Layer – Data Compression Network Security and Privacy – Introduction to Cryptography(Symmetric and Asymmetric), Digital Signature Authentication (Message and Entity) Application Layer – Domain Name System, Electronic Mail, Architecture of Browser Tutorial	Activity 6.1: Knowledge Probe	Data Communications and Networking by Behrouz A Forouzan Pg. No. 799	PDF File of, Indian Institute of Technology Madras	22/9 22/9 24/9 24/9		
15 25/09/18- 29/09/18 Sessional II										





Faculty in Charge

W



Maharshi Karve Stree Shikshan Samstha

Sharpening Engineering Acumen with a difference



CCOEW/CE / 18-19

Date: 25 / 06 / 2018

LESSON & TEACHING PLAN for Concpets In Computerr Engineering

				Depart	ment of Com	puter Engineeri	ng			
Faculty	Name: Prof.	Sakshi Kl	namanka	ar				Year :	Sem:- 3'rd	
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
				Introduction of Subject				20/6/18	-	
1	25 June-	5		Description of computer input units other input methods	collect info about more	VR-Chpt3-pg-31- 35	Images of i/p and o/p devices shown	/p and o/p 25/6/18		
	30 june			computer output units,types of printer,plotter	devices & MCQ	VR-Chpt3-pg-36 VR-Chpt3-pg-39-	Images of printers	23/6/18		
				types of printer,plotter	demo given in	VR-Chpt3-pg-42	SHOWN	30/6/18	Y	
2	July-7	5	1	Memory cell, memory organization,	CC lab with	VR-Chpt4-pg-46- 51	Related topics pdf & ppt will show	217/18 317/18		(A)
	July			read only memory, Serial access memory		VR-Chpt4-pg-51		417/18		2101
				physical devices used to construct memory i)semiconductor flip-flop	demo given in	VR-Chpt4-pg-55- 61	Images of disk,CD-rom	917118	The Control of the Co	
3	9 July	1 5		Magnetic Hard Disk ,floppy disk	CC lab with	VR-Chpt4-pg-	devices shown	10/7/18		
-	14 July	y		compact disk read only memory	the help of Gupta Sir.	VR-Chpt4-pg-67	Related topics pdf &	1117-118		
_				magnetic tape drives,DVD] Gupta Sii.	VR-Chpt4-pg-	ppt will show	1817/18	- 1	
			First generation computers to co	to collect	VR-Chpt12-pg-250	Images of each	1717/10			
١.	16 July	,_		second generation computers,	information	VR-Chpt12-pg-251	generation of computer	1817(18		
4	21 July	1 5	1	third generation computers,	about it.	VR-Chpt12-pg-252	and its details shown on	19/7/18		
		1		fourth & fifth generation ,computers	4	VR-Chpt12-pg-253	Market Street Co. Track Co. Co. Co. Co. Co. Co. Co. Co. Co. Co.	2117118		
ı	1	1		Moore's Law		VR-Chpt12-pg-256		2117/18		Programme







WEE No.		No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/f utorial Date	HOO'S STEN)
	23July-		2	classification of computers	MCQ's	VR-Chpt12-pg-258 260	Related topics pdf & ppt		3 Staringued	1/
5	27 July	4	_	parallel computers distributed computer system		VR-Chpt12-pg-261	will show	30171	3	
	-			Structure of instructions	Task given to	VR-Chpt5-pg-78		31/7/		1 30×
1				Description of processor	write	VR-Chpt5-pg-82	Related topics pdf & pp	t HBIZ		1 27
6	30 July- 4 Aug	5		a machine language program	instruction	VR-Chpt5-pg-86	will show	3/8/18	3	20
			3	Algorithms, Flowchart		VR-Chpt1-pg-2-8		13/8/18	3	
7	6 Au	g-10 Aug				Sessio	nal I			
-		T		Why programming languages,	to collect	VR-pg-170 EB-333		K18 118	8	
	13 Aug-			Generation of Programming	information	EB-Chpt13-pg-336		1418118		P
8		5		2'nd generation of language		EB-Chpt13-pg-337		16/8/18		
	18 aug			3'rd generation of language		EB-Chpt13-pg-338		1718118		
			3	4'th & 5'th generation of language		EB-Chpt13-pg-339		1718118	· ·	
	1		3	Characteristics of good programming		EB-Chpt13-pg-340		2018118	7	
	20 Aug- 25 Aug			Factors affecting the choice of languages		EB-Chpt13-pg-347		20/8/18	212 2151m	
9		4		developing a program		EB-Chpt13-pg-349- 352		2118118	mille	1
				Introduction HTML, Python		Internet		2318 18	1	
				troduction, Types of Computer Softwa		EB-Chpt10-pg-214		2318118		EL
10	27 Aug-1			EB-Chpt10-pg-215		2 24/8/18		370		
10	Sept		4	System Development Programs	MCQ's	EB-Chpt10-pg- 217,219	Related topics pdf & ppt	27/3/18		
				Unique Application Programs		EB-Chpt10-pg-224	& Videos will show	3118118		
	3 Sept-9	_		Problem Solving	1 1	EB-Chpt10-pg-228		119118		
1	Sept	5		tructuring the logic, using the Compute		EB-Chpt10-pg-228		811011		
1	- P.			Need of operating system		VR-Chpt10-pg-196		319118		
-			1	ollege of Ing.		· · · · · ·		1 3112		

Hinghan Hogper-441111

Dr. Millind Khanapurkar Princ(pai Mahash Karvi Stre Shikahan Saembi's 'unniac Celliga of Egypeering for Woosen Ningaa, Nagpor-44116.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	Completion Date	Assignment/T utorial Date	HOD's sign
				types of operating systems		EB-Chpt11-pg-254 & VR-Chpt10-pg-	619118		
12	10 Sept-	5	5	history & Open source software		open source	613/18		
	15 Sept			Free software & Free software license	collect info	technology by K.Vadhera pg-	111911		1
	- 1			Proprietary Vs. Open source Licensing	about more	1,9,12,13,16,20,36,10	111 318		
				FOSS, GNU project.	devices &	7 and internet	1219118	3 320 assign	الم
				Representation of Image & moving	MCQ	VR-Chpt16-pg-372	1219118	1	1 giv
. 1	17Sept-	_	Ī	Compression of video data, MPEG		VR-Chpt16-pg-374	1419/18		1 22
1.5	21 Sept	5	6	Acquiring and storing audio signals,		VR-Chpt16-pg-377	17/9/18		
				Compression of audio signals,		VR-Chpt16-pg-378	1819118		
				Audio signalprocessing & speech		VR-Chpt16-pg-378-	图19118	3	/
14	25 Se	pt-29 Se	pt	The state of the s		Sessional II			



Dr. Millind Khanapurkar Principal Maharah Kava Stree Shakhan Sanetha's Luneise Cellege of Engineering to Women singra. Nappor 441118.

Faculty in Charge



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan Sem. III

Date: 25 /06 /18

	СИММІ	NS COLLEG	E OF EN	GINEERI	NG FOR	WOME	N, NAGP	UR			25 /06 /1
	Faculty Name: Prof. S.Khamankar	Subject: C-L	ab- I		for	Depart	ment:CE		Section	: 3'rd Se	m
		Batch	B1(Thurso	lay)	Batc	h B2(wed	lnesday)	E	Batch B3(Fri	iday)	T
Pi	Name of experiment	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva	Planned	Perform Date	No. of Viva done	HoD's Remark
print	possible Variations used	print	fill	fill	print	fill	fill	print	fill	fill	fill
1	To demonstrate HTML with different html tags	28/6/18	284118	_	27/6/18	27/6/8	_	29/6/18	1	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
2	To demonstrate HTML with setting color	5/7/2018	8/7/18	.6	4/7/2010				-		/
3	To demonstrate HTML by Ordered List	12/7/2018	121318	8	4/7/2018	())		6/7/2018	177.0	1)	
4	To demonstrate HTML by Tables	19/7/18		8	18/7/18	11)718	15	13/7/18	2017/18	12	AV
5	To demonstrate HTML by image as background		191318	8	25/7/18	18/7/18	14	20/7/18	13/18/17	7	3/
6	To demonstrate HTML by hyperlinks	26/7/18	26/3/18	12	1/8/2018	20/3/18	16	27/7/18	17/8/18	12	
7		2/8/2018	218118	12	29/8/18	118118	15	3/8/2018	24/8/18	8	
_	Write a program to demonstrate "Website Login Form" in HTML	16/8/18	16/8/18		5/9/2018		Ø		-	- //	
8	Create a Web page having Main Frame along with three Sub Frames(Windows)	23/8/18	23)8)18	_				17/8/18	31/8/18	7	
9	Develop a web page to play video file using	30/8/18			1219118		10	24/8/18	311818	5	3/1
	<embed/> Tag. 10 To DemonstrateHTML document by using CSS	30/8/18	619118		19/9/18	5/9/18	12	31/8/18	1419/1	3	1
	Leave to the state of the state	6/9/2018	17/9/18		26/9/18	121918	•	7/9/2018	14/9/18	3	

Subject-Teacher

15

Hisgra, Hosper-141111

Dr. Millind Khanapurkar
Principal
Mahash Karve Stres Shikahan Sanetha
Lumnies College of Engineering for Works



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE / 18-19

Date: / / 2018

LESSON & TEACHING PLAN

				CUMMINS COLLEGE	OF ENGINE	ERING FOR WOM	IEN, NAGPUR	-		
Faculty	Name: Prof.	. Pravin G	orantiwa	r		Subject: Applied Maths III		SEM III C.	E. (2018-19)	Sem:- ODD
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
The state of the s	18 June- 23 June	5	IV	MATRICES Linear Transformations, Orthogonal Transformations,Linear dependence of vectors,Characteristics equation. Eigen values and Eigen vectors,Reduction to Diagonal form	Dividing students into group and Solving different example	Engineering Mathematics Shobhane & Tembhekar 2.41 to 2.59	Using PPT Diagonalisation of matrix	27/06/19		
	25 June- 30 June	()	VI	Cayley Hamilton Theorem [without proof],Reduction of Quadratic form to Canonical form by Orthogonal transformation, Sylvester's theorem [without proof],	Dividing students into group and Solving different example	Engineering Mathematics Shobhane & Tembhekar 2.70 to 2.72	Steps to find out Caley Hamilton Theorem using animated video	05/67/18		97/07
3	02 July- 07 July	6	VI	Solution of Second Order Linear Differential Equation with Constant Coefficients by Matrix method. Largest Eigen value and Eigen vector by Iteration method.	Solving example	Engineering Mathematics Shobhane & Tembhekar 2.73 to 2.81		13/67/18)

Hingna, happer-441118

Dr. Millind Khanapurkar Principal Maharsh Karre Stree Shistan Sanetha's Tunnies College of Espineering for Women Hopps, Napout-49110.

Faculty in Charge

(F)

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
4	09 July- 14 July	5	II	FOURIER TRANSFORM: Definition and Properties (excluding FFT), Fourier Integral Theorem. Relation with Laplace Transform, Applications of Fourier Transform to Solve Integral Equation.	Solving example	Higher Engineering Mathematics B.S. Grewal 836 to 851	Application of fourier transform using Video	1 711		37 2 23/5
Ε,	16 July- 21 July	6	111	Z-TRANSFORM Definition, Convergence of Z- transform and Properties, Inverse Z-transform by Partial Fraction Method	Solving example	Higher Engineering Mathematics B.S. Grewal 866 to 885	PPT used for Z transform and inverse formulae	30/07		
• • • • • • • • • • • • • • • • • • • •	23 July- 28 July	5	111	Power Series Expansion, Convolution of two sequences. Solution of Difference Equations with Constant Coefficients by Z-transform method.	Solving example	Higher Engineering Mathematics B.S. Grewal 866 to 885	Steps to find out inverse Z transform using animated video	02/48		19/08
	Poliniya Ga Ang	6		THEORY OF PROBABILITY Axioms of Probability, Baye's Ende Enndem variables, Discrete Random variables, Continuous random variables	Solving example	Engineering Mathematics Shobhane & Tembhekar 11.1 to 11.8	PPT used for Random variable and Using video explaining Bay's rule	16/08		13 0
	06 Aug- 11 Aug					Sessional I				
8	13 Aug- 18 Aug	4	IV	Probability function, Distribution function, Joint distributions, Independent Random Variables, Conditional Distributions	Solving example	Engineering Mathematics Shobhane & Tembhekar 11.8 to 11.38		22/03	C	

Faculty in Charge

Dr. Millind Khanapurkar Principal Maharsh Karva Stree Shiksan Sanetha's 'unnies Cellege of Engineering for Wossen Hingna, Nappor-441116.

				_							
VEEK No.	We	eek	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
0	20 Ai	- 1	4	v	MATHEMATICAL EXPECTATION & STOCHASTIC PROCESS Mathematical Expectation , Variance, Standard Deviation	Solving example	Engineering Mathematics Shobhane & Tembhekar 12.1 (o 12.8	PPT used for mathematical exceptation and Using video explaining mean and variance			
	27 Au 01 S		5	V	Moments, Moment generating function, Covariance & Correlation Coefficient, Conditional expectation, Stochastic process. Bernoulli and Poisson process	Solving example	Engineering Mathematics Shobhane & Tembhekar 12.8 to 12.25	РРТ	03/09		1 08 09 08 09
The second secon	0.3	Sept- Sept	5	1	Laplace Transform Introduction , Defination, L- T of some elementary function Change of scale property.Properties of L-T. Shifting property.L-T of derivative L-T of integrals.	Solving example	Engineering Mathematics Shobhane & Tembhekar 4.1 to 4.7	PPT/video used for properties	,7/09		
American Control of the Control of t		: Sept			multiplication by LDivision by Charles of T. Marked of partial transfer of the charles theorems theorems theorems (Nely).(statement only)	Serving example	Engineering Mathematics Clobbane & Tembhekar 4.8 to 4.25	PPT/video used for finding inverse by convolution theorem	17/5		an C
	14	17 Sep 2 8 Sep	1 6	a	L.T.Inverse Using properties and standard result finding ,Unit Step Function ,L-T of Periodic Functions ,Application of L.T to solve differential equations ,Integral equation Simultaneous Differential Equations.Integro-	Solving example	Engineering Mathematics Shobhane & Tembhekar 4.33 to 4.55	PPT used for unit step function	· 60/14		22 04
		25 Sep 29 Sep				The state of the s	Sessio	onal II		1	To the second
F	acul	ty in	Charg	e S	Mognet 441118		Dr. Millind Khanapurkar Principal Maharah Karus Store Shahahan Sanetha's Sunnias College of Expineering for Mount wagas kappan 441118.	HOD THE			

H



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE/ 18-19

Date: 18/06/2018

LESSON & TEACHING PLAN for Digital Electronics

				Departme	nt of Comp	uter Engineering				
acult	ty Name	e: Prof	. Shaile	esh C. Sahu			Year: 2	2018-19	Sem:- 3	ird
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's
1	18 June - 23 June		and a subsective of the subsection of the subsec	Pro	oject Orie	nted Traing Program				Andrew Control of the
2	25 June - 30 June	6	1	Analog V/S, Digital Systems, Transistors as Switch, Boolean Algebra, Boolean identities. Tutorial.	[1][2][3]	Modern Digital Electronics by R P Jain, chap-1,15-18	web	417	417	
3	02 July - 07 July	6	1	Logic problems, Binary, Gray, Octal, Hex, and ASCII Codes, Logic gates, and Truth Tables. Tutorial.	[4]	Modern Digital Electronics by R P Jain, chap-2,28-53	web	10/7	1017	all
4	09 July 14 July	5	1	D Morgan's Law's, Sum of Product and Product of Sum. Logic families: TTL, BCL, CMDS etc, Fan-in, Fan- out, propagation delay properties. Tutorial.	L5]	Modern Digital Electronics by R P Jain, chap-4,125-145	web ppt/ pojector	1217	1717	20
5	16 July 21 July	l h	2	Combinational logic – concepts, SSI, MSI & VLSI circuits Classification. Tutorial.		Modern Digital Electronics by R P Jain, chap-5,165-192	ppT web	25/7	25/7	





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's
14 1	17 Sept- 21 Sept	4	6	Arithmetic Circuits – Adders, sub tractors, (Half & Full). BCD adder / sub tractor, Concept of ALU and its design. Integrated circuits version of multivibrators and their design parameters. Tutorial.	[10]	Modern Digital Electronics by R P Jain, chap-6,246-252	pp web prjecter		A A A A A A A A A A A A A A A A A A A	
15				Sess	ional II (2	4 Sept- 29 Sept)				

ABL y Transistor as switch.

2) First generation of Le

3> Binary Mumbersystem.

47 Boolean algebra. 5> 2's complement.

6) Encoder- decoder

27 BCD to a segmentalisplay.

8) Flip- Flop

1) Shipf Registers.



Faculty in Charge

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's
6	23 July - 28 July	5	2	standard TTL, CMGS, characteristics, Decoders, Encoders. Multiplexers, Demultiplexers. Tutorial.	C63	Modern Digital Electronics by R P Jain, chap-6,231-238	PPT web Projector	18/8	18/8	logg
7 1	30 July - 04 Aug	6	2	code converters, characteristics of display devices, standard configuration of gates as SI/MSI/LSI circuits. Tutorial.	[7]	Modern Digital Electronics by R P Jain, chap-6,256-268	PAT web projector	2018	3012	F) 18
8				Sess	sional I (0	6 Aug- 10Aug)				
9	13 Aug- 18Aug	5	3	K- Map, simplification of sum of products and products of sum. solution to problems using K-Map. Tutorial.		Modern Digital Electronics by R P Jain, chap-5,173-192	P4 web	06/09	≠ 61q	Coff
	20 Aug- 24Aug	4	3	conversion of Decoders / MUX into one another Use of MUX as function generator. Tutorial.		Modern Digital Electronics by R P Jain, chap-6,231-238	web	90 10 0	07/09	(3)
	27 Aug- 01 Sept	6	4	Introduction to Flip Flop, Loathers, concept of clock. Tutorial.		Modern Digital Electronics by R P Jain, chap-7,279-280	pp) web projector	90409	07/09	13
17 1	03 Sept- 07 Sept	5	4	Memories organization with Flip Flop as basic cell, Ram, RCM, EPROM & one type to another type Flop Flops. Tutorial.		Modern Digital Electronics by R P Jain, chap-7,281-299	web	Hoq	nlod	
	10 Sept- 15 Sept	5	5	Excitation tables & introduction to sequential circuits. Counters-Synchronous/Asynchronous. Different modular counters with reset/clear facility. Design of counters of arbitrary moudul with K-Maps. Lock freee counters.Tutorial.		Modern Digital Electronics by R P Jain, chap-8,312-390	pp5 web paojectu	2//04/1B	3/104/18	

Hispan, Hopper-441111





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Sharpening Engineering Acumen with a difference

Lab Practicals Plan Sem. III

Date: 12 / 06 / 18

		CUM	MINS COL	LEGE OF E	NGINEER	ING FOR W	OMEN,	NAGPUR			
Facul	ty Name: Prof. Pravin V Kha	wse			Subject: PMD	s	for	Depa	artment: Co	omputer Eng	ineering
			Batch B1			Batch B2			Batch B3		
Pi	Name of experiment	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remark
print	print	print	fill	fill	print	fill	fill	print	fill	fill	fill
P1	Working with different types of operrators	27/06/18	27/06.		29/06/18	29/06		28/06/18	28/06.		
P2	Menu Driven program	4/7/2018	04/07		6/7/2018	13/07		5/7/2018	05/07		
Р3	Use Of looping	11/7/2018	11/07		13/7/2018	20/07		12/7/2018	15/03		
P4	Different Function calls	18/7/2018	18/09.		20/7/2018	24 07		19/7/2018	19/08		are
P5	Working with Strings.	25/7/2018	25/07		27/7/2018	17/08		26/7/2018	26/07	1	21/
P6	Working with Structures	11/7/2018	29/08		3/8/2018	24 08		2/8/2018	62 68		
P7	Searching Algorithms	1/8/2018	05 09		17/8/2018	31/08		16/8/2018	16/08-		101
Р8	Sorting Algorithm	29/8/2018	12/09		24/8/2018	14/09.		23/8/2018	28/18		(9)
Р9	Implementation of Queues	5/9/2018	19 109		31/8/2018	14109		30/8/2018	80/08		
P10	Implementation of stack	12/9/2018	19/69	Mege of Fro	14/9/2018	20/09		6/9/2018	20 09	/	

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanethi Surumins College of Engineering for Work

Subject Incharge



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE / 18-19

Date: 13 / 06 / 2018

LESSON & TEACHING PLAN for PMDS

				Departr	nnet of Compu	ter Engineering				
Faculty	Name: Prof	. Pravin K	hawse					Session	(2018-19)	Sem:- Third
No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18/6/18- 22/6/18	5		Introduction and Arrays using C History of Programming, Program Execution basics Programming paradigms. Algorithm and flowchart design	Asking to Prepare Algorithm and flowchart for some Situations/problems	"Data Structure Through in Depth" Ch 1 Page 4		22/06		
2	25/6/18- 30/6/18	6	жен подпинент выполнения вы	Principles of Structured Programming C Language Fundamentals Decision Control Statements (if, if else, switch) Loop Control Statements (for, while, dowhile)	Playing the If else game, Playing with Patterns	"Let Us C" by Y P kanetkar Chapter 3 Page no:			T-30/06	De 041
3	2/7/18- 7/7/18	6		Arrays: 1D and 2 D Arrays Functions – Definition, call, prototypes, block structure, external variables, Recursion	Assigning and Distributing the Tasks/functions	"Data Structure Through in Depth" Ch 2 Page 10		19/07) and
4	9/7/18- 13/7/18	5		Storage Classes – extern declaration and information hiding Pointer arithmetic – Functions and pointers Arrays and Pointers		"Data Structure Through in Depth" Ch 2 Page 18		24/07		170







WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
5	16/7/18- 21/7/18	6	11	Strings and pointers – Multi-dimensional arrays and pointers Pointers Arrays Pointer to Function Dynamic Memory Management	Sample Codes to Predict the Output	"Data Structure Through in Depth" Ch 2 Page 27	Code PPTs	31/04	T-17/0	
6	23/7/18-27/7/18	4		Structures: Pointers to Structure Structure and functions Structure and arrays Structures containing pointers Tutorial	Sample Codes to Predict the Output	"Data Structure Through in Depth" Ch 2 Page 31-43	Code PPTs	18/08	25/09	120
7	30/7/18- 3/8/18	6	111	Searching and Sorting Introduction to data structures, Searching and sorting techniques- Linear search Binary search	Problems for solving	"Data Structure Through in Depth" Ch 8.9 Page 472	PDF on searching	18/08		
8	6/8/18- 10/08/18					Sessional		-	-	
9	13/08/18- 18/08/18	5		Insertion sort, selection sort, Bubble Sort, Merge Sort, Radix Sort, Hashing, Collision resolution policies	Problems for solving	"Data Structure Through in Depth" Ch 8.9 Page 417	PPT & PDF on searching	29,50 65	T-19/08	
10	20/08/18- 24/08/18	5	IV	Stacks and Queues Array representation of stacks Applications of stacks, Infix to Postfix, Evaluation of postfix expressions	Problems for solving on Conversion and evaluation of expression	"Data Structure Through in Depth" Ch 8.9 Page 108- 140		04/09		2200
11	27/08/18- 01/09/18	6		Array representation of Queues Queues and Dequeue Circular queue, Priority Queues		"Data Structure Through in Depth" Ch 8,9 Page 108- 141	799	1469	30/08-T 31/08/	







-	_		_			•				
No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
17	03/09/18- 07/09/19	5	VI	Trees and Graph Binary tree , Binary tree Traversal, Pre-order , Inorder , Post Order Expression Trees Balanced Binary Trees	Exercise questions on Tree traversal	"Data Structure Through in Depth" Ch 8,9 Page 176				
4	0/08/18-	5		Graphs - Representation of Graphs and Applications Graph traversal - DFS & BFS,		"Data Structure Through in Depth" Ch 8,9 Page 326				
4 1	17/08/18- 21/09/21	5		Linked list- Linked list- Singly linked list: Operations on linked list, Searching, Insertion, Deletion,		"Data Structure Through in Depth" Ch 8,9 Page 48	PPT.	The second secon	A3- 18/09	
15			V	Doubly linked list, Operations on doubly linked list, Sorted Linked List, circular list sparse matrix storage using linked list		"Data Structure Through in Depth" Ch 8.9 Page 63	РРТ	The state of the s		
15	25/09/18- 29/09/18					Sessional I	Width solder 1990 in the ruspins on the plan assessment at the sold assessment and assessment assessment as a	STATE OF THE STATE		





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE/ 18-19

Date: 18/06/2018

LESSON & TEACHING PLAN for Theory of Computation

Department of Computer Engineering

Facul	ty Nam	e: Prof	. Shai	lesh C. Sahu			Year: 2	2018-19	Sem:- 5	th
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
1	18 June - 23 June	and and another areas and an even percent		Pro	oject Orie	nted Traing Program		and the second of the person of the second o		
2	25 June - 30 June	6	1	Introduction to Theory of utomatan Strings, Alphabet, language operations. Finite state machine definitions. Tutorial.	[1][2][3] [4]	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hoperoft and J. Ullman Page No. 35 to45	Students stationeries,Ia ptop	30/06		
3	02 July - 07 July	6	1	Finite automation model cceptance of strings and anguage. Non deterministic finite automation, Deterministic finite utomation. Tutorial.		Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 45 to 55	Students stationeries, card containing symbols	67/07		10
4	09 July - 14 July	5	1	Equivalence between NFA and DFA. Conversion of NFA into DFA, NFA with e moves and e-closure with examples. Ttorial.	[7]	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 55 to 60	Students stationeries	12/67		





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's
^	16 July - 21 July	6	1	Conversion of NFA with e moves to without e-moves Minimization of FSM, Equivalence between wo FSM's Moore & Mealy mchines. Tutorial.	[8][9]	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 60 to 77	Students stationeries	20/27	20/67	
n	23 July - 28 July	5	2	Introduction to Regular languages and Regular expression Regular set, Regular Expression and Regular languages smaple examples. Regular expression examples. Equivalence and Inter Conversion between Regular Expression and FA. Tutorial	[10]	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 79 to 105		22/07	27/07	9)10
7	30 July - 04 Aug	6	2	Identity rules and manipulation of Regular Expression Interconversion of RE and FA. Tutorial: Interconversion of RE and FA. Closure Properities of Regular set and Chomsky Hierarchy. Conversion from RE to RG and Right Linear to Left Linear Conversion from Regular Grammar to FA, conversion for Left to Right linear Grammar Pumping Lemma for Regular Grammar. Tutorial.		Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No.105 to 154	Projector	18/03	1818	1780) 2° 0°
8				Sess	sional I (0	6 Aug- 10Aug)			- CO - CO - CO - CO - CO - CO - CO - CO	





	_	_	-		
_	2		1	ı	
	-	4		١	

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's
9 1	13 Aug- 18Aug	5	3	Introduction to CFG and derivation Trees. Left Derivation Tree and Right Derivation Tree Chomsky normal form, Tutorial.	[12][13]	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 157 to 175	Projector	3/09	01/99	Joya
	20 Aug- 24Aug	4	3	Greibach normal Push Down Automaton Definition and model Equivalnace of CFL and PDA, Inter Conversion. Tutorial: GNF.	[14][15]	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 175 to 200	Projector	06/09	e61.9	90
	27 Aug- 01 Sept	-6 	3	Closure Properties of CFL, Pumping lemma for CFL, Introduction to CFL and DPDA. Tutorial.	[16]	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 200 to 235	Projector	pplog	11/39	19
12	03 Sept- 07 Sept	5	4	Turing Machine: Definition, Model of TM Design of TM, Universal Turing Machine. Tutorial: TM. Computable function, Recursive enumerable language Types of TM's (proofs not required). Linear bounded automata and Context sensitive language, Counter machine.	[17]	Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 234 to 380	Projector	14109	14109	
14 1	10 Sept- 15 Sept	5	5	Decidability and Undecidability of problems, Properties of recursive & recursively enumerable languages. Tutorial. Halting problems and Undecidability of language Post correspondence problem, Ackerman function, and Church's hypothesis. Tutorial.		Introduction to Automata Theory, Languages, and Computation 3rd Edition, by John E. Hopcroft and J. Ullman Page No. 287 to 337	Projector	1810d	13109	





WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
14	17 Sept- 21 Sept	4	6	Recursive Function: Basic functions and operations on them, Bounded Minimalization, Primitive recursive function, μ-recursive function, Primitive recursive predicates, Mod and Div functions, Unbounded Minimization, Equivalence of Turing Computable function and μ-recursive function. Tutorial	ř.	Guest Lecturer		21/09/18	2/69	
15				Sessi	ional II (24	Sept- 29 Sept)				

- [1]-Creating set: Instruct students to arrange the stationeries in a group.
- [3]-Programming: Instruct students to write a C programming statement and compile it.
- [5]-Demonstration- demonstration of state transition diagram. (Passing objects through a chain of students.)

 [7]-Demonstration- demonstration of e-move. (Passing objects through a chain of
- students.)
 [9]- Game- students are divided into group and based on current problem definition
- [9]- Game- students are divided into group and based on current problem definit has to perform minimization activity.
 [11]- ppt and videos
- [13]- ppt and videos
- [15]- ppt and videos
- [17]- ppt and videos



Deole

languages generated by FA.

[10]- ppt and videos

[12]- ppt and videos

[14]- ppt and videos

[16]- ppt and videos [18]- ppt and videos

Faculty in Charge

HOD

[2]-Identifying objects: Instruct students to close your eyes and try to identify different objects.

[6]-Demonstration- demonstration of DFA and NFA. (Passing objects through a chain of students

[4]-Programming: Instruct students to write a C program to understand the finite and infinite

[8]-Game- a game based on treasure hunt, FSM minimization.



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Accumen with a difference



CCOEW/CE/ 18-19

Date: 13/06/2018

LESSON & TEACHING PLAN

aculty	Name: Prof.	. Harshwa	rdhan K	harpate		Subject: CAO		ODD SEM	1 (2018-19)	Sem:- 5th
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18 June - 23 June	5	1	Project Oriented Training		,			-	
2	25 June - 30 June	5	1	Computer Evaluation and Arithmetic: A Brief History of computers, Designing for Performance, Von Neumann Architecture, Computer Components, interconnection Structures.	Videos From Khan Academy. Picture prompt, Socratic Questioning	Computer Organization and Architecture by W. Stallings	PPT, Videos on generations. Machine from each generation	30/06		
3	2 July - 7 July	5	1	Bus Interconnection, Scalar Data Types, Fixed and Floating point numbers, Signed numbers, Integer Arithmetic, 2's Complement method for multiplication.	Binary Addition/Subtraction Using 2's Complement	Computer Organization and Architecture by W. Stallings	PPT	05/07		20/07
4	9 July - 14 July	5	1	Booths Algorithm, Hardware Implementation, Division, Restoring and Non Restoring algorithms, Floating point representations, IEEE standards, Floating point arithmetic.	Solving Problems in groups/Pairs	Computer Organization by Carl Hamacher Chapter 06 : pg no. 367	PPT,Video on Floating point number representation	13/07		
5	16 July - 21 July	5	2	Processor Design:Machine Instruction characteristics, types of operands, types of operations, Addressing, Instruction formats, Processor organization, Register Organization	16 Cards Game/ Peanut butter and jelly sandwitch	Computer Organization by Carl Hamacher	PPT,Vedios	20/07		
6	23 July - 28 July y in Ch ai	5	2	Instruction cycles, Instruction pipelining, ALU – Combinational ALUs and Sequential ALUs, RISC Architecture.	Fetch-Decode-Execute	Computer Organization	PPT,Videos	31/07		

WEEK No.	Week 30 July-04 Aug	No. Of Lect.	Unit No.	Single Bus Organization, Control Unit Operations: Instruction sequencing, Micro operations and Register Transfer.	Activity/ Teaching Aid Transfer exersise in class	Refrence Book - Chapter 1 'age no,edition. No Computer Organization by Carl Hamacher pg no: 411	Blackboard & Chalk	Completion Date	Assignment/T utorial Date	HOD's sign
8						Sessional I		,		
9	13 Aug-18 Aug	5	3	Hardwired Control : Design methods – State table and classical method, Design Examples - Multiplier CU,Micro-programmed Control	Case Study of designing CU	Computer Organization by Carl Hamacher pg no : 411 445	Blackboard & Chall PPT	17/08		
10	20 Aug-25 Aug	4	4	Microinstructions and micro- program sequencing Characteristics of memory systems, Internal and External Memory, Types of memories.		Computer Organization by Carl Hamacher pg no : 291 to pg no 313	Blackboard & Chalk PPT,NPTEL Vedios	24/08	02	31
	27Aug-01 Sep	6	4	High-Speed Memories: Cache Memory, Organization and Mapping Techniques, Virtual Memory,Segmentation, Paging, Address Translation		Computer Organization by Carl Hamacher pg no : 314 344	Blackboard & Chalk PPT,NPTEL Vedios	31/08		
	03 Sep-08 Sep	5	5	Secondary Storage. Input/Output Systems, Programmed I/O, Interrupt Driven I/O, I/O channels, Direct Memory Access (DMA), Buses and standard Interfaces.		Computer Organization by Carl Hamacher pg no : 203	NPTEL Vedios	06/09		
	10 Sep-15 Sep	5	5	Working mechanisms of Peripherals: Keyboard, Mouse, Scanners, Video Displays, Touch Screen panel, Dot Matrix, Desk-jet and Laser Printers.	Case Study of working mechanism of printer,scanner,mouse,Keybo ard	Computer Organization by Carl Hamacher pg no :553	NPTEL Vedios	12/09.		De









WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name (btopic	Activity/ Teaching Aid	Refrence Book - Chapter Page no,edition. No	o ict tools	Completion Date	Assignment/T utorial Date	HOD's sign
11	17 Sep-22 Sep	5	6	Superscalar Processors, Multiple Processor Organizations, Symmetric Multiprocessors, Clusters, Non-uniform Memory Access, Vector Computations, Bus allocation Schemes. RISC: Instruction execution characteristics, use of large register file, compiler based register optimization, RISC architecture, pipelining. RISC vs. CISC	Case Study	Computer Organization by Carl Hamacher pg no : 617 656	NPTEL Vedios Case study and Assignment	05/10		
12						Sessional II				







Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



Lab Practicals Plan Sem. V

Date: 15 / 06 / 18

		CUMMIN:	S COLLEG	E OF ENG	SINEERING	FOR WO	MEN, NA	GPUR			
acult	y Name: Prof. Pravin V Khaw	se			Subject	C Lab III		Departn	nent: Comp	uter Engin	eering
			Batch B1			Batch B2			Batch B3		
Pi	Name of experiment	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remark
print	print	print	fill	fill	print	fill	fill	print	fill	fill	E Park
P1	Introduction to java and features of java program.	28/06/18	28/06		26/06/18	26/06		25/06/18	25/06		
P2	Programs to Demonstrate Command line Argument	5/7/2018	osloq		3/7/2018	03/07		2/7/2018	02/07		
Р3	Programs for Interactive Input using Scanner Class	12/7/2018	12/07		10/7/2018	10/07		9/7/2018	9/07		>
P4	Programs to Demonstrate Classes and object in java	19/7/2018	19107		17/7/2018	17/07		16/7/2018	16/07		19/1
P5	Program to illustrate the concept of inheritance.	26/7/2018	28/07		24/7/2018	2001		30/7/2018	30/07		
P6	Program for Error Handling	16 /3 /2018	16/08		14/8/2018	2014/8		13/8/2018	13/8		
P7	Program for demonstration of the concept of packages.	22/8/2018	2B/08.		21/8/2018	21/8.		20/8/2018	20/8		
P8	program for illustration of concept of applets in java.	30/8/2018	30/08		28/8/2018	28/8		27/8/2018	03/09.		(A)
P9	Program for demonstration of Abstract Class. 2016, 100	6/9/2018	86189		4/9/2018	11/09		3/9/2018	19/09.		9/
P10	program for creation of	13/9/2018	20/09		11/9/2018	18/09		10/9/2018	24/09		

Multithreading



Dr. Millind Khanapurkar Principal Maharah Karva Stra Shikahan Saneth Jumina College of Engineering for Woo Minga, Nappur-44118.



Maharsh Karve Stree Shikshan Samst b's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Sharpening Engineering Acumen with a difference

COEW	/CE / 18-19						Date: /	/ 2018		EN, NAGPUR
				LESS	SON & TEA	CHING PLAN	,			
				CUMMINS COLLEG			N, NAGPUR			
aculty	Name: Prof	. Priyadar	shini Ram	nteke		Subject: IEED		1	/ETC (2018- 19)	Sem:- ODD
NEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18 June- 23 June			WORKSHOP/ORIENTATION		1. JEED By A.M. Shaikh Nawaz Khan M.A. Tongo			7	
2	25 June- 30 June			Business Structure, Top and Bottom line of organzation		2. Modern Economic Thy by KK. Dwet	-	17/7/18		
3	02 July- 07 July		1	Economic Analysis of Business, Economic prudence in business, Economies of operations				20/7/18		
4	09 July- 14 July			Market structure: Perfect Competition, Oligopopoly, Monopolistic Competition, Monopoly				21 17 18 24 17 18 25 7 18 27 7 18		MS.
5	16 July- 21 July		п	Business integration: Forward integration, Backward Integration,				30/7/18		
6	23 July- 28 July			LPG Policy, Business Cycle and Optimum size of firm				31/7/18 1/8/19 2/8/18		









WEEL No.	K Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
7	30 July- 04 Aug		III	Functions of Central and Commercial banks, Economies and Diseconomies of scale,				3/8/18 4/8/18 17/8/18 20/3/18		
8	30 July- 04 Aug		***	FDI, Free Trade Vs Protection, Capital Formation, Multiplier and Accelerator effect				21/8/18 23/8/18 23/8/18 24/8/18 28/3/18		
9	06 Aug- 11 Aug	,				Sessional I		25/3/15		>
10	13 Aug- 18 Aug		III	Inflation, Recession, Stagnation, PPP Models, Inclusive Growth,				31/8/18 1/9/18 3/9/18 4/4/18		
11	20 Aug- 25 Aug		v	Sources of finance, term loan, venture capital, angel funding				5/4/18 6/4/18 12/4/18	5/9/18	
12	06 Aug- 11 Aug			Capital structure, Working capital, Costing, BEP,				12/3/18 17/9/18 21/9/18		
13	13 Aug- 18 Aug		V+V I	Network analysis, Taxation, Small Scale industries (Types, Advantages, Problems of SSIs)				21/9/18		De
14	27 Aug- 01 Sept			Sickness in SSI, FDI and threates to SSI, TCOs				19/9/18		
15	03 Sept- 08 Sept		VI	Safeguard measures against currency fluctuation, Govt policy to SSIs, Incentives to SSI, Tax holidays				21/9/18	21/9/18	
Faci	rity in Ch	narge	Hing Hoper	O Trans	Dr. Millind Khanapurkar Principal Maharis Kara Sava Shahan Savahus Junini Cinigar Graya Sayah Najpor41118	,	10D		V	



Maharshi Karve Stree Shikshan Samstha's Educating Warren for 118 years CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering According with a Millerance



CCOEW/ Department of Computer Engineering / 17-18

DT.07/06/2018

LESSON & TEACHING PLAN

				CUMMINS COLLEGE OF ENG	INEERING FOR V	VOMEN, NAGPUR				
				Faculty Name: Prof. Bhagyashree Joshi		Subject: Computer Graphics		SEM (2	2018-19)	Sem:- Seventh Sem
W No	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no.	ICT tools	Completion Date	Assignment/ Tutorial Date	HOD's sign
1	18 - 23 June			Project Oriented Training				-	-	
				Introduction to Computer Graphics, Theory of Circle generation	PPT/students		self prepared ppt	25-6-18		
				Points, lines, planes	PPT/students explained		self prepared ppt	26-6-18		
2	25-30	6	I	pixels and frame buffers	PPT/students explained		self prepared ppt	27-6-18		
	June			Types of display devices and its architectures	PPT/students explained		self prepared ppt	28-6-18		
				DDA algorithm for line generation 1st quadrant	Numericals	Procedural elements for	self prepared ppt	125-6-11		
				Tutorial		Computer Graphics by, David F. Rogers,	Chalk, Board	329-6-11		\rightarrow
			I	DDA algorithm for line generation	Numericals Practice	McGraw Hill Page Nos, 6,7,8,66,70,74,75	Chalk, Board	3-7-11		
				Bresenhem's algorithm for line generation 1st quadrant	Numericals	0,7,8,00,70,74,73	Chalk, Board	4-7-11		19/
3	2-7 July	6		Bresenhem's algorithm for line generation generalised	Numericals Practice		Chalk, Board 🕜	5-7-11		181
5	27 july			Bresenhem's algorithm for line generation generalised	Numericals Practice		Chalk, Board	5 -7-11		
				Bresenhem's algorithm for Circle 1st quadrant	Numericals]	Chalk, Board	39-7-1		
				Examples						

Faculty in Charge :- <

Zosh

Hingna, Hogper-441111

HOD :-

Dr. Millind Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Lunnina College of Engineering for Women Kingna, Napur-44118.

				Bresenhem's algorithm for Circle	Numericals Practice		Chalk,Board	9-7-11	D
$ \ $				Ellipse generation	PPT/students explained	1 Tocomunia	self prepared ppt https://www.youtube.	10-7-11	
4	9 - 14 July	6	ı	Aliasing, Anti aliasing and it's techniques	PPT/Video	Computer Graphics by, David F. Rogers, McGraw Hill Page Nos,	com/watch?v=Fx6Zs8q SIRY	11-7-11	
				Aliasing, Anti aliasing and it's techniques	PPT	79,88,-142-151.	https://www.youtube. com/watch?v=GvLEAH RmPl0	12-7-11	
				Tutorial	Quiz			13-7-11	
\vdash				Display Files	PPt		Self created PR	16-7-11	
				algorithms for polygon generation	PPTN 494		chall Beard	17-7-11	
_	16-21		п	Simple ordered Edge list	Numericale	Procedural elements for	chalk Board	19 -7-11	02
5	July	6	111	Simple ordered Edge list, Edge fill	Numerical	Computer Graphics by, David F. Rogers,	chalk Board	19-17-11	
				Edge fill	Numerical	McGraw Hill Page	chalk Board	20-7-11	
				Tutorial	Numerkels	Nos,3,137-	chelk Board	2-1-7-11	
			п	Edge flag,Fense fill	Nume rical	142,115,118,121,126,131,1	chalk Board	25.7-11	<u> </u>
6	23-27	5	-11	Edge flag	1 June ria	33	chalk Board	26.171-11	
"	July			seed fill, scan line seed fill	-			27/7/11	/
				Tutorial	Nymei			30 53	
			II	NDC(Normalised device co-ordinated)		Procedural elements for		31171	
	Jul30			operations on segments		Computer Graphics by,		1/8/18	- I AM
7	July-4	6	ш	data structures for segments and display files		David F. Rogers,		2/8/18	7
	August			Window, viewport, viewing transformations		McGraw Hill Page		3/8/18	1300
				Cohen-Sutherland		Nos,63,175,177,181,187		4/8/18	
				Tutorial Calcut of Fagure		Ka	Mile	<u> </u>	1
			:-<	Bach (Flagor, Magner, 41111) Bach		Dr. Millind	Khanapurkar ncipal	HOI) :-
8	6-10 Aug	AR .	350	Mid Term Test		Maharah Karve Si Lunmina College o Hingna, I	Engineering for Worken agpur-441118		property of the second



CCOEW/CE / 18-19

Maharsh Carve Stree Shikshan Samstor's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



Date: 2 / 08 / 2018

LESSON & TEACHING PLAN for CG

						NG PLAN for CG puter Engineering				
Faculty	Name: Prof	. Suruchi	Kitey	•				Session	: (2018-19)	Sem:- Fifth
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
8	6/8/18- 10/08/18		and the second s		THE PARTY OF THE P	Sessional I	millen vitt amt für die vitrigen der der verbreiten von der verbreiten verbre			
9	13/08/18- 18/08/18	4	Ш	operations on segments,data structures for segments and display files,window, viewport,viewing transformations,Cohen- Sutherland	Taking Numerical practice	Procedural elements for computer graphics by David F. Rogers Pg.No.	Chalk board/PPT	13) \$118 14 8 18 16 8 18 17 8 18		
10	20/08/18-	4	III	Cyrus-Beck Algorithm, Mid-point	Taking	63,175,177,181,187,192,196 ,253	Chalk, board	18/8/18	distance and the second	28/0
	24/08/18	4	IV	subdivision,Polygon clipping(Sutherland- Hodgeman),scaling,Translation	Numerical practice	Computer Graphics by	Chalk, board	21/8/18		
11	27/08/18- 01/09/18	5	IV	Rotation,Reflection,Shearing,Rotation about arbitary axis,parallel, perspective and isometric projections	Taking Numerical practice/MCQ's	Udit Agrawal	Chalk, board	24/8/18 27/8/18 28/8/18 29/8/18		(g)/
12	03/09/18-07/09/19	5	V	Painter's, Z-buffer, Warnock's, Back- face Removal algorithm, Methods of interpolation, Bezier and B-splines	showing hidden surface removal algorithm in the form of game with students	Procedural elements for computer graphics by David F. Rogers, Mc- Graw Hill.Pg.no. 375,343,474,476,482	PPT,Videos	30/8/18 3/8/18 1/9/18 3/9/18 4/9/18)
Faci	ulty in C	harge		Hospiral Hospiral Barrier	Dr. Millind Kha Princip Waharsh Karva Stree Sh Cuesira Chiga of English Sungar Angel	napurkar al HOD al sakana Sasahira sasang Sasa		5/3/18		

WEEI No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Charler no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign	1
13	10/08/18- 15/09/20	5	V	Gouraurd Shading, Phong Shading,Constant Intensity Shading, Fast Shading,Properties of light,chromaticity Diagram	PPT/MCQ's	Procedural elements for		6/9/18 3/10/18 3/10/18 12/9/18 17/9/18		002	
14	17/08/18- 21/09/21	4	VI	RGB,YIQ CMY, HSK,color models & their conversion,color selection & applications,Design of Animation sequences, animation Function,animation language,Key-Frame System, motion Specification	Plan to teach on PPT	computer graphics by David F. Rogers, Mc- Graw Hill. Pg.No. 609,611,623,624,627,645	PPT,Slideshare videosVideos	18 9 18 11 9 18 11 9 18 19 9 18 21 9 18		23/10/	18
15	25/09/18- 29/09/18				To all materials and the second and an advance of the second of the second and the second of the sec	Sessional II		_ 0		day or other transfer or other	A PROPERTY AND A PERSON NAMED IN

Faculty in Charge

Callege of Egypte Mingra, Mingra, 411111

Dr. Millind Khanapurkai Principal Maharshi Karve Stree Shikshan San Tunnina College of Engineering for W

Faculty in Charge



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE / 18-19

Date: 25 / 06 / 2018

LESSON & TEACHING PLAN

				Cor	nputer Enginee	ering Departmer	nt			
district the second	ty Nam	ne: Pro	f. Ab	hilasha Borkar		Subject: TCP/IP			Sem (2018- 9)	Sem:-
No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignmen t/Tutorial Date	HOD's
					18 June-22 June	e- PHP Traning			Date	
				Introduction to TCP/IP	1) video will be show	TCP/IP Protocol Suit	1) OSI model animated Video	25/2/18	1	
				TCP/IP MODEL	in which they learn	(fourth Edition) By	,PPts on Introduction of Internet	26/6/18		-
	25. 20			Comparison of OSI Model and TCP/IP model	how OSI work 2)Through PPTs the explaniaion of	Behruz Foruzan Chapter 1, 2-14 Chapter 2,19-40	and standard 2) OSI and TCP/IP Protocol Suit .	27/6/18		
1	25 - 30 june	6	1	Networking Technologies: LANS, WANS.	underlaying technlogies	Chapter 3, 47-80	3) underlaying technologies for MCQ link is http://highered.mheducation.c	28/6/18		gy.
		AND THE RESIDENCE AND THE RESI		Networking Technologies: LANS, WANS.			om/sites/0073376043/student_v iew0/chapter_01	201:18		
-				Tutorial	1				30/6/8	
				Connecting Devices	1)connecting devices			3/7/18		
				Internetworking Concepts	like router -,switch,cables, plan	TOD (TD D		417118		
		49		Architectural model	to show in classroom	TCP/IP Protocol Suit (fourth Edition) By	Physical devices router,switch,	51718		
2	2-7 July	6	1	Internet Backbones	2)plan to give details		ethernet RJ- 45 and PPTS on	91718		
	2-7 July		-	NAP, ISP's RFC's	of ISPs used in our college 3)	Chapter 1, 2-14 Chapter 2,19-40	connecting devices by behrouz foruzan	9171:8		
	Sanding Pro- American Control of		CONTRACTOR OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADD	Tutorial	Introduce new technology for intranetwork	Chapter 3, 47-80		30/118		

Faculty in Charge

Dy: Milling Khanapurkar Principal Maharshi Karve Stree Shikshan Sanetha's Sunmina College of Engineering for Women Hingna, Nagput-441118.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignmen t/Tutorial Date	HOD's
			Section Company	Internet Standards.	1) Plan to make LAN connections in class	TCP/IP Protocol Suit (fourth Edition) By		917/18	Aex	
				IP address classes	room and Assigning	Behruz Foruzan		1017118		
3	9-14	5	1	Internet Addresses	IP address	Chapter 5,6 115-150 161-	Laptop,ethernet-RJ 45, 1)IPV4	1017118	Assign may	
***************************************	July			Classes, Classful Addressing, Classless Addressing		178	FFIS	1117118	1	3
				Tutorial				1718		190
				Mask and subnetting	plan to give activity			12/7/18		1
4	16-20 July	5	2	Numerical based on Masking Subnet Mask CIDR	to identify classes and no. of networks and no. of host based on		Chalk board ,1) IPV4 PPTs	131718		
				Tutorial	numericals			717.118		
				ARP and RARP	cisco packet tracer		Laptop, 1)	18 17 118, 19	18	
-				Internet Protocol.	Simulator		ARP - ppts 2)	1917118		
5	23-27	5	2	Routing IP Datagram	installation and	Chapter 8, 221-237	Forwording of IP Packet-PPT , sotware cisco packet tracer		26/7	
	July	,	-	ICMP	Perfroming practical based on	Chapter 9,245-263	, sotware cisco packet tracer	191718	/	
				IGMP.	Protocols and	Chapter 13, 375-408	,			
				Tutorial	configuration of this	Chapter 14, 414		1717118		AVY
				Sockets and socket Programming		TCP/IP Protocol Suit	PPTs of socket programming	119118	1500 man	(1)
				TCP,UDP	considering student	(fourth Edition) By Behruz Foruzan		29/8/18	3	29/
7	30 july-	6	3,	Sockets and socket Programming	as a object and perform client	Chapter 17, 546	•	119)18		1
	4 Aug			Routing in Internet	server			13 18/18	Assy man	
				RIP ,Routing Information Protocol	communication			131818	2	
				Tutorial				231818		







CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



Lab Practicals Plan Sem. V

Date: 25 / 06 / 18

		CUMMINS	COLLEGE	OF ENG	INEERII	NG FOR W	OMEN, N	AGPUR	Date: 2	25 / 06 / 1	8	\neg
Faculty Borkar	Name: Prof. Abhilasha T.		Subject: T		-	for	Departmo Compute Engineeri	ent: r				
			В	atch B1	-		Batch B3		Bat	ch B2		\dashv
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	Pe ríon	No. of Viva	HoD's Remark	No
print	print	possible Variations used	print .	fill	fill	print	fill	. fill	print	fill	fill .	
1	To study TCP/IP Protocol Suit		25-06-18	251618	08	26-06-18	05/6/18 3/7/18	10+2	28-06-18	28/6/18)	12
2	Configure Star Topology using HUB	Trough Switch	02-07-18	02/7/18	09	03-07-18	1017/18	11	05-07-18	517118		12
3	Configure VLANS on Switch		09-07-18	9.718	14	10-07-18	12/7/18	13	12-07-18	121718		12
4	Configure VLANS on Switch with trunk mode		16-07-18	1617118	05	17-07-18	2417118	13	19-07-18	UTTE	92191	14
5	To Configure router and perform communication		30-07-18	3017118	oI	24-07-18	3117118	14	26-07-18	2617118	> 22.0	13
6	Perform Static and Dynamic Routing (NATTING)	Static, Dynam PAT	06-08-18	20/6/18	12	['] 31-07-18	1418118	13	02-08-18	218/18		14
7	Implement Repprotocol on Router (RLP)		13-08-18	311118	12	07-08-18	28/8/18	12	09-08-18	23 8 18		7
8	Implement OSPF protocol on Router		20-08-18	1719)18	14	14-08-18	419118	15	16-08-18	619118		13
9	Configure (184) Protocol (184)	(P)	27-08-18	17/9/18	100	21-08-18	11/9/18	12	23-08-18	1319118		14
10			03-09-18	2119/18	1.0	28-08-18	1819118	12	30-08-18	2019118		11

Faculty in charge



Dr. Millind Xhanapurkar Principal Maharah Kure Stinskhan Sanetha's Junnies College of Engineering for Women Months Agent 441118

WI	EK o.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	I ICI TOOIS	Completion Date	Assignmen t/Tutorial Date	HOD's sign
		7				06 Aug- 10 Au	g Sessional-1				
					BGP		TCP/IP Protocol Suit	PPTs of BGP and chalk board	17/8/18		
					Introduction to Multicasting	configuring BGP	(fourth Edition) By Behruz Foruzan		2718118		
9		13 Aug- 18 Aug	5	3	Multicast routing.	protocol on packet	Chapter 18, 568				
4		10 Aug			Host Configuration	tracer	Chapter 19, 582		1119/13		
					Tutorial		Chapter 20, 610		21/9/18	/	
					ВООТР				1719118		
					DHCP	Configuration of		PPT on DHCP by behrouz	1119118	V	
1		20 Aug- 24 Aug			FTP	protocols on packet		foruzan cisco	12/1/18		2
		24 Aug			Services: Domain Name System	tarcer	TCP/IP Protocol Suit	packet tracer, chalk board	1719/18	/	
				4	Tutorial		(fourth Edition) By		21/9/18		
					TFTP and Electronic Mail:		Behruz Foruzan Chapter 18, 568		1919118		
					SMTP		Chapter 19, 582		1419/18	1	
		27 Aug -			MIME	understanding concept by real time	Chapter 20, 610	Gmail ,PPTs on SMTP by			
-		1 Sep			IMAP and POP	example			1919118		
		,			Network Management	/			1419118		



Tutorial

21/9/18



Faculty in Charge

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignmen t/Tutorial Date	HOD'
	1	1	- 1	SNMP	- i	1		14/9/18		
12	3 Sep-7	` _	_ 1	Mobile IP	understanding		DDT M 1/1 m/ :	619118		
12	Sep	5	1	Multimedia	concept by real time		PPTs on Mobile IP by Behrouz foruzan	19/9/18		
ē.				RTP	example	TCD/ID D 1 C :	TOTUZAII	1919118		-
\rightarrow				Tutorial		TCP/IP Protocol Suit (fourth Edition) By		1111113	+	
				RTCP		Behruz Foruzan			+	
			L	PGP	7	Chapter 21,630	Ì		-	
	10 Sep-	6	5	Firewalls	configuring HTTP	Chapter 23,24	PPTs on HTTP by Behrouz		<u>'</u>	
	15 Sep		-	SSL	protocol			lalativ	-	
			[1	Middleware's	7			हाशिध		
				НТТР	7		F	1010115		
		T	1	RPC, RMI				1919118		
1	7 800		I	Introduction to IPv6	understanding	TCP/IP Protocol Suit	-	-		
	17 Sep- 21 Sep	5	6 I	ICMPv6	concept by real time	(fourth Edition) By	PPTs on RMI by Behrouz			
			L	nternet Security:IPSec	example	Behruz Foruzan	foruzan			
				Futorial	1	Chapter 22, 656				
					25 Sept- 29 Sept -			21/9/18.		



Kinlind Dr. Milind Khanapurkar Principal

Principal

Maharshi Karve Stree Shikshan Sanetha's

"unmins College of Engineering for Worken
Ningna, Nagpun-41118.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN

Sharpening Engineering Acumen with a difference



CCOEW/CE / 18-19

Date: 25/06/2018

LESSON & TEACHING PLAN for Web Technology

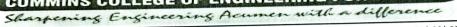
				Departi	nent of Comp	outer Engineerin	g			
aculty	Name: Prof	. Sakshi K	hamank	ar				Year :	2018-19	Sem:- 7'th
VEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
2	25 June- 30 june 2July-7 July 9 July- 14 July	1 5	1	Introduction to Web Technology Web Essentials, client server communications, Web Browser, Markup Languages HTML XHTML,SHTML XML, simple XHTML page style sheets Introduction to CSS, Need for CSS basic syntax and extrusion,	i) Practical pracise will taken on HTML, XHTML,Java Script Program also will take MCQ's on topics	1) "Web Technologies - A Computer Science Perspective", 1st Edition, Jeffrey C.	Related topics pdf & pp	25/6/18 26/6/8 26/6/8 27/6/8 28/6/8 29/6/8 29/6/8 30/6/8 21/2/18 4/7/18 4/7/18 4/7/18 10/7/18 11/7/18		210
4	16 July 21 July 23 July 27 July		2	DHTML. Client side programming, Java Script Language, host objects: Browsers hard disk, DOM ,AJAX	ii) Task given students for design creative web pages , also collect more info about web essential as an	(Building Internet Applications)", 3rd Edition, Chris Bates	and videos will show	Plachse 2017/18 217/18 24/7/11 26/7/11	cof I week 8 Istersign med 5 cylinan 8	

Mingen Hoper-141111

Dr. Millind Khanapurkar Principal Maharshi Karvi Strae Shikshan Saneth Junnius College of Engineering for Wool



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN





CCOEW/CE / 18-19

Date: 25/ 06/ 2018

LESSON & TEACHING PLAN for Web Technology

				Departr	ment of Comp	outer Engineerin	g			
aculty	Name: Prof.	. Sakshi K	hamanka	ar				Year :	2018-19	Sem:- 7'th
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	25 June- 30 june	5		Introduction to Web Technology Web Essentials, client server communications, Web Browser,				25/6/18 25/6/18 26/6/8 27/6/18 28/6/18		
2	2July-7 July	5	1	HTML XHTML,SHTML XML, simple XHTML page style sheets	i) Practical pracise will taken on HTML,	1) "Web		29/6/18 30/6/18 2/ 3 /18 3/7/18 4/7/18		21/01
3	9 July- 14 July	1 5		Introduction to CSS, Need for CSS basic syntax and extrusion,	Script Program also will take MCQ's on topics	Technologies - A Computer Science Perspective", 1st	Related topics pdf & ppt	5/7/18 9/7/18 10/7/18 11/7/18		
				DHTML. Client side programming,	ii) Task given students for design	Programming (Building Internet	and videos will show	2017/18	of I week	
4	16 July 21 July	1 5	2	Java Script Language,	creative web	Applications)", 3rd Edition, Chris Bates		217118	given	\
-	23July 27 July	1 4	-	host objects: Browsers hard disk, DOM ,AJAX JAVA Applets,	collect more info about web essentials as an assignment	tion 15	t to 4th psogsam	3017118		

Faculty in Charge



VEEK No.	Week	The second discussion	o. Of ect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	utorial Date	HOD's sign
	30 July		;	3	server side programming:	progrem			14/8/18	2×10	
	4 Aug				Java Servlets - basics,	Jang		,	18/18	aussign	13
7.67	6 A	ug-10	Aug				Sessio	onal I			
					Java Servlets - basics,	Gruest				2md	
3	13 Aug 18 aug		5		simple program,	lecture			1718/18	assign	et
	10 au	5		3	separating programming and presentations	per son	ry				
	\			\	JSP basics	semineur			22018118		A
9	20 Au	9	4	1	simple JSP pages.	8			7 1 1 1 1 1 5	,	
	25 A	ug			Representing web data	Faken			721 18/18		4
	+	_		7	database connectivity		1) "Web		7	1	1
		1		1	JDBC	Given	Technologies - A	<u>. </u>	2318118	32d	1
10	1 1	ug-1	5		Dynamic web pages,	·Task	Computer Science		2318118	assignat	
1	S	ept		1	XML, DTD	tomake	Perspective", 1s		2718118		1 N
1	1	1		\ 4	XML schema,	d ifference	Edition, Jeffrey (27/8/18		1 / 4
-	-+	-		\neg	DOM, SAX	between	Jackson 2) Web	& Videos will show	28/8/18		1 / 02
	11	Sept-9 Sept	5		Parsing XML Document usi DOM/SAX parser.	ng YML & Other leng.	Programming (Building Internations)", 3 Applications, Chris	et rd	29/9/18 29/8/8 3/18/18		7
1			+-	\dashv	Email Tools	0	Bates		119118		-
1	.		1		FTP Tools	giren			319118		-)
1	12 1	0 Sept-	٠١.		5 FTP Tools	fresk			81918		-
1	12 1	5 Sept		'	WWW,TELNET, PUTTY	1, 70			8118		-
					DNS, Web Services & Feeds	1, to find		1	819118		+



Dr. Milind Khanapurkar Principal Maharak Karsa Siraa Shishan Sanetha'i Sunnia College of Equineering for Moure Mispa, Nappu 441118.

WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
				SOAP, RSS Feeds	what			1119118		
				Building web Applications,	are			1119118		
13	17Sept-			Cookies sessions,	other			12191(8		
13	21 Sept	'	6	APACHE TOMCAT, Accessibility	Email			17/9/18		anc
				Internationalization	trops.			1819/18		Tog
				Types of Web Attack ,Intrusions.				131818		120
14	25 S	ept-29 S	ept			Sessiona	П			

Faculty-In-Charge

HOD

Hingen 441111

Dr. Millind Khanapurkar Principal Kahash Karr Break and Saema's Venetic Celega to present for Wosen Vingos, Nappor 44118.



Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Sharpening Engineering Acumen with a difference



CCOEW/75 / 18-19

Date: 31 / 06 / 2018

LESSON & TEACHING PLAN for IANS

Department of COMPUTER ENGINEERING										
Faculty Name: Prof. Sharayu Deote								Year: 2018-19		Sem:- VII
WE EK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18-22			Androd Training						
2	25-30 June	2		Security fundamentals ,Introduction Terminology Attacks ,security goals : Authentication & Authorization	Disscussion on cyber crime happened in last AY possible solution	Cryptography & n/w security by william stallings pg no. 1-20	ppts / provided notes / shown video	26/06		
		1	1	Ciber techniques:Substitution and Transposition Various algorithm and its implementation	Implementation on laptop Activity to crack cipher text created one students by other students	Cryptography & n/w security by william stallings pg no. 20 -40	ppts			
		1		Tutorial	Practice on university questions on covered topics			30 06		



Dr. Milind Khanapurkar Principal Mahashi Kirvs Stres Shishan Sanetha's Cunnies College of Engineering for Women Hopes, Nappur441119

Faculty in Charge

WE EK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
No.		2		Attacks ,security goals : Authentication	hands on hacking					
		1		GCD	Implementation on laptop					
3	2 -7 July	1	1	stream cipher ,block cipher secret splitting and sharing				07/07		
		1		Tutorial	Practice on university questions on covered topics			107 ot		
		2		eclide algoriths, Chinese Remainder theorm,	Solving Examples in a groups			/		
		1		Descete Logarithm, Fermats Theorms	Solving Examples in a groups					
4	9 - 13	1	1	Block generation & uses ,ECC	Video			7 ,		
-	July	1		Tutorial	Practice on university questions on covered topics			13/07		
		2		Hash Algorithms: SHA-1,MD5	Groups acivity for finding differences in both algorithms					
		1		Cryptograhpy Symmetric key algorithm : DES,AES	IMCO	7.0.19	* A! 1+0		Assignment	
5	16-21	1	П	Blowfish Algorithm,	www. youtub	e. comparcy =	HILL CZS	 	01	
	July	1		Attacks on DES	Thought processes for Attacks	BC9.11	1111243	21/07		
		1		Tutorial	Practice on university questions on covered topics		N.			







HOD

WE EK	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	
No.		2		Modes of operations				1/2-1-		
	23 - 27	1	II	Linear cryptanalysis and Differential cryptanalysis				27/0-		
6	July	1	11	Public key algorithm :RSA,Key Exchange						
		1		Tutorial						
		2		Key Management Introduction, Key Management: Generations, Distribution, Updation,				//		
7	30-4	1	Ш	Digital Certificate, X.509 certificates, Digital Signature, Diffiee Hellman Key Exchange	Notes			14/08		
	Aug	1	4	Tutorial				1		
		1	1	One Way Authentication,						
		1	7	Kerberos.						
		1	7	Tutorial	T 40	4 2010)		1		
			•	Sessional -I (6-Aug To 10-	Aug-2018)		\		
-		2		Network Security						
		1	\neg	Layer Wise Security Concerns,				1 10/	Asig - 02	
		1		IPSEC- Introduction, AH and ESP,				124/08		
1	13- 18 A	1		Tunnel Mode, Transport			/			
1		1		Mode,			1			
		1		Tutorial			Y			
				Security Associations, SSL-						
	В	2	ıv	Introduction,						
(•			Handshake Protocol, Record Layer Protocol.				1		
		1	\dashv	IKE-Internet Key Exchange Protocol.				31/08		
	20 - 2	4 1	\dashv	Intrusion Detection Systems:				1		
	Aug			Introduction,						
		1	\dashv	Anomaly						
		1	\dashv	Based, Signature Based, Host Based,						$\overline{}$
1		1	_	Network Based Systems.			U			

Hingna, Mosper-441118

Dr. Millind Khanapurkar Principal Maharah Karve Stree Shikshan Sanetha Sunnins College of Engineering for Moon Mingra, Napor 44118.

M>

Faculty in Charge

VE K	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T HOD's significant
.					= - 1 Chalk			/	
		2		Security Management and Applications Intruders, Intrusion detection, Password	PP1/ board			67/0	9
	27 - 1	1		management,	9.				
	Sept	1		Worms, viruses, Trojans,					
	-	1		Virus countermeasures, Firewalls,					
	1	1	v	Firewall design Principals,				_	
\vdash		2	Ī	Trusted system, Electronic					
1		1		Payment: Introduction, Payment types,				10/09	
				Smart Cards, Chip card transactions				101	
3	3-7 Sept	1		and attacks,payment					
1		1	1	over internet,				<u>J</u>	
		1		Mobile Payments, Electronic Cash.					AD19:03
-		2		Cyber Crimes & Laws				1/	1.5
		1		Introduction, Computer Forensics,					DT15/09
	10-14	1		Online Investigative tool,				14	
	300	1	_	tracing and recovering electronic					
10		1	ا∨ ا	evidence Internet fraud, Cyber Stalking, Identity				72109	
10	17-21	2		Theft.				1/21/1	
	50g	1	_	Industrial Espionage, Cyber Terrorism. Indian IT laws: Introduction and briefs				17	
	م	1		about IT laws: Introduction and Briefs	Sessional -II				



Dr. Millind Khanapurkar Principal Mahashi Kave Stres Shahan Sanehi's 'Umnias Cinigan' of Engineening for Woman Kingsa Nagsor 441115.

Faculty in Charge



CUMMINS COLLEGE OF ENGINEERING FOR WOMEN Shapening Engineering Acumen with a difference



Date: 13/06/2018

CCOEW/CE/ 18-19

LESSON & TEACHING PLAN

Faculty	Name: Prof.	. Harshwa	rdhan K	harpate		Subject: Advance Microprocessor		ODD SEN	n (2018-19)	Sem:- 7th
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
1	18 June - 23 June	5	1	Project Oriented Training						
2	25 June - 30 June	5	1	Introduction to 32-bit processors. Historical evolution of 80286,386 & 486 processor, real & protected modes	Socratic Questioning/Picture Prompt	Intel Microprocessor by Barry Brey,Eighth edition,Page no 1-50 and Burchundi,Ray 444,505	PPT en 80286,386,486, Videos	30/06		
3	2 July - 7	5	1	segmentation. paging mechanism & privilege mechanism & protection mechanism, pipe lining & tesk switching.	Pass the chalk, Fetch-Decode- Execute for pipelining	Intel Microprocessor by Barry Brey,Eighth edition Page no 1-50	PPT, Video on Task Switching (NPTEL)	व्या०७		18/07
4	9 July - 14 July	5	2	Pentium features & architecture, pin description, functional description	Comparison with previous processors	Advanced Microprocessors and Peripherals by A K Ray and K M Burchundi second edition pg no: 556 and Intel Microprocessor pg no 729	PPT,Videos from bharatacharyaeducatio n.com	16107) }

Ringna, Hingar, 41111

Dr. Millind Khanapurkar Principal Maharsh Kava Sires Shikkhan Sanethu's Lunelea College Clingering for Worken Konga, Napport4511

9/

Faculty in Charge

	-	The State of	200			22				
VELK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtop	Activity/ Teaching Aid	Refrence Book Chapter no. Pag no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
5	16 July - 21 July	5	2	Pentium real mode, Pentium RISC features ,Pentium super-scalar architecture- pipelining, instruction paring rules		Advanced Microprocessors and Peripherals by A K Ray and K M Burchundi second edition pg no: 556 and Intel Microprocessorpg no 759	PPT,Videos from bharatacharyaeduca tion.com	24/07		
6	23 July - 28 July	5	2	Branch prediction, instruction and data caches, the floating unit.		Intel Microprocessor by Barry Brey,Eighth edition,Page no 759	PPT,Videos from bharatacharyaeduca tion.com	31/07	0)	



0.0





Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



Lab Practicals Plan Seventh Semester (A.Y 2018-19)

Date: 20 /06 /18

Faculty Name: Prof. H.V.Kharpate

Subject: AMP

				Batch B	3		Batch B1				Batch B2		
Pi	Name of experiment		Planned Date	Perform Date	No. of Viva done	Planned Date	Perform Date	No. of Viva done	HoD's Remark	Planned Date	Perform Date	No. of Viva done	HoD's Remark
print	print	possible Variations used	print	fill	fill	print	fill	fill	fill	print	fill	fill	fill
1	Study of 8051 Microcontroller		27/06	27/6		28/06	28/6			29/6	29/6		
2	To write and execute 8051 assembly language program for addition of two 8 bit numbers		4/7	417		5/7	05/07			13/7	1317		
3	To write and execute 8051 assembly language program for multiplication of		11/7	18/7		12/7	1217			20/7	2017		
4	To write and execute 8051 assembly language program for division of two 8		18/07	25/	7	19/07	2617			27/7	03/8		
5	To write and execute 8051 assembly language program for swapping lower nibble with upper nibble of 10 8 bit numbers stored in memory		25/07	01/0	8	26/07	218			3/8	17/8		
6	To write and execute 8051 assembly language program to find the smallest byte out of 10 bytes stored in memory		1/	29/8	2	2/	8 16 8			17/8	2418		
7	To write and execute 8051 assembly language program to serially transfer the data to other controller using Keil software		29/08	051	9	16/8	23/2	ġ.		24/8	31/8		
8	To write and execute 8051 assembly language program to toggle port 1 and port 2 using keil.		5,	051	9	23/8	30/8			31/8	31/8		
9	WAP to interface BCD to 7 segment display using MCU 8051 IDE		12.	12	9	30/8	19	+		7/9	14/0	1	



Dr. Millind Khanapurkar Principal Maharah Karve Stree Shikshan Sanema's 'umnias College C Expineering for Bloom Nings of Expineering for Bloom





CUMMINS COLLEGE OF ENGINEERING FOR WOMEN



CCOEW/CE / 18-19

Date: 2 / 08 / 2018

LESSON & TEACHING PLAN for AM&M

				Depa	rtmnet of Com	puter Engineering				
aculty	Name: Prof.	. Suruchi I	Kitey					Session:	(2018-19)	Sem:- Sevent
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
7	1/8/18- 4/08/18	4	III	Basic Pentium programming, programmer's model	PPT/MCQ's	Introduction to Assembly Language Programming For Pentium and RISC Processors by Sivarama P. Dandamudi	Chalk board/PPT	1/8/18 2/8/18 3/8/18 4/8/18		20 0
8	6/8/18- 10/08/19	Control of the Contro	~		S	ESSIONAL I		7/8/19		
9	13/08/18- 18/08/18	4	III	register set,addressing modes,data types	PPT,Slideshare	Introduction to Assembly Language Programming	Chalk board/PPT	13/8/18	The state of the s	
10	20/08/18- 24/08/18	1 4	ш	data transfer instructions	videosVideos	For Pentium and RISC Processors by Sivarama P. Dandamudi	Chalk, board	17 8 18 18 8 18 20 1 1 18 21 1 9 118	02	(P)
11	27/08/18- 01/09/18		IV	Arithmatic instructions(Addition,subtraction,multiplic tion)	PPT,Videos	Introduction to Assembly Language Programming For Pentium and RISC Processors by Sivarama P. Dandamudi	Chalk, board	23/8/18 24/8/18 27/8/18 28/8/18	02	63/9
12	03/09/18- 07/09/19		v	logical instructions,Bit manuplication instruction,Process control instruction	PPT/MCQ's	Introduction to Assembly Language Programming For Pentium and RISC Processors by Sivarama P. Dandamudi	Chalk, board/PPT	29/8/18 30/6/18 31/8/19 3/19/16		

HOD

Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignment/T utorial Date	HOD's sign
05 Sept-08 Sept 2018	3	5	8051 Micro-controller: Micro-controller NCS-51 family architecture, on-chip data memory & program memory,organization-register set, register bank , SFRs.	Comparing Microprocessor and microcontrollers	The 8051 Microcontroller and Embedded Systems by Mohamad Ali Mazidi	Bahratacharyaeduc ation video,ppt,blackboar d and chalk	12/09		
10 Sept-15 Sept 2018	4	5	interrupt structure, timers & their programming, serial port & programming, design of minimum system using 8051 micro-controller for various applications	Serial and timer programs on MCU 8051 IDE	8051 Microcontroller by Ayala	Bahratacharyaeduc ation video,ppt,blackboar d and chalk	Palki		
17 Sept-21 Sept 2018		6	Overview of 8096 Micro-controller: General description, processor section, on-chip data I/O section. Basic software examples: using the 8096's processing section, using the I/O section	Case Study	Advance microcontrollers raj Kamal	Assignment & discussion from comparing previous microcontroller	4/09	6 3	
					Sessional II				



Dr. Millind Khanapurkar Principal Mahath Kiris Stres Shikahan Saneth Lunnins College of Engineering for Wom Nagan, Nagan-Lings, Nagan-L

Faculty in Charge



Maharshi Karve Stree Shikshan Samstha's **CUMMINS COLLEGE OF ENGINEERING FOR WOMEN** Sharpening Engineering Acumen with a difference

CCOEW/CE / 18-19

Date: 25 / 6/ 2018

				СОМ	PUTER ENGINEERING	DEPARTMENT				
Facu	lty Nan	ne: Pr	of.	Abhilasha Borkar		Subject: OS		SEM Fifth S	•	Sem:-
WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignmen t/Tutorial Date	HOD's
					18 -22 June -Android T	raning				
				What is Operating System do(OS),	To understand the basic concept of os	1.Opearting System Concepts by Avi	PPTs-chapter 1 from silberteaz, Videos-	25/6/18		
				Types of OS,Operating system	video will be shown	Silberschatz, Galvin	opearting system	26/6/18		7
	25 - 30			User-operating system Interface	1 '	chapter 1, pg no. 3,12,18,20 Chapter	introduction Shaun michel stone	2716118	1	
2	june	6	1	System calls, Types of system calls	prepare mcq on basic	2, pg no. 49-88 Chapter 10, pg no.		28 6 18		
				System programs, operating system structure		421-451		29/6/18		806
				Tutorial				3-16/18	4	000
				Virtual machines	1) soft copy of notes	1.Opearting System	PPTs on Virtual	29/6/18	7	
				FILE SYSTEM: File concepts, Access	plan to give and discuss in classroom	Concepts by Avi	machine - Sai	2/7/18		
				Directory & Disk structure	2) explain the concept	Silberschatz, Galvin chapter 1, pg no.	Sidddharth	317)18		
3	2-7 July	6	1	File system Mounting,	by showing animated video and PPTs also	3,12,18,20 Chapter 2, pg no. 49-88		417118		
		800000000000000000000000000000000000000		File sharing, protection		Chapter 10, pg no.		517118		
-				Tutorial	3 To Henity	421-451		30)6)18		
-	1				file suggest to	/	sleye of Ingli	The second secon	V	lind
racu	ity in C	narge	!		diltios	HOD (Hingma,		KN	d Khananurkar



WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no, edition. No	ICT tools	Completion Date	Assignmen t/Tutorial Date	HOD's sign
				File system structure, File system implementation,	Explain the concept by showing animated	1.Opearting System Concepts by Avi	PPTs, by silberteaz Videos-File Structure	917118		
. 4	9-14 July	5		Directory implementation, Allocation method,	video and PPTs also and prepared MCQs	Silberschatz, Galvin chapter 11, pg no. 461-490 Chapter 3,	by Shaun michel stone	1017/18		
4	7-14 July	,	•	Free-space management		pg no. 101-128		11/7/18		\bigvee
		The state of the s		Efficiency & performance, recovery				शिर्गा।		
		a property of the control of the con		Tutorial				1717/18		100
				Process concept, process scheduling operations on process, interprocess communication	1) plan to show videos and to explain concept in classroom	1.Opearting System Concepts by Avi Silberschatz, Galvin	PPTs on process syncronization silberteaz ,process	12/7/8		20
5	16-20	-5	2	THREADING: Multithreaded programming	by giving good examples	chapter 11, pg no. 461-490 Chapter 3, pg no. 101-128	management by Shaun michel stone Animated Videos	13/7/18		
5	July		_	overview,multithreading models.				13/7/18	The second secon	
				PROCESS SCHEDULING: Basic concepts,				1617118		
				Tutorial				1717119		
				schęduling criteria	1) Numericals will be solve on	1.Opearting System Concepts by Avi		1117118		
				scheduling algorithm,	algorithm by	Silberschatz, Galvin	<u>-</u>	शाहारा		
6	23-27 July	5,3	_	multiprocessor scheduling algorithm evaluationithm,	explaning real time example	chapter 6, pg no. 225-257. Chapter 7, pg no. 283-304	Scheduling Algorithm PPTs, Chalk Board	017/18		and the second second
	- Control of the cont			multiprocessor scheduling algorithm evaluationithm,		pg 110. 233-304		क्षार(०३		
				Tutorial				3017/18		



WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICI tools		Assignmen t/Tutorial Date	HOD's sign	
				PROCESS SYNCHRONIZATION: Background	1) plan to show videos and to explain	- Control of Control	PPTs on Process syncronization by silbertz ,process	251718	1		
1				critical section problem	concept in classroom by giving good		management by	26/7/18	+	1	7
7 3	30 july- 4 Aug	6	3	Peterson's solution,synchronization,	examples		Shaun michel stone Animated Videos	27/7/18		192	-
and a second	Aug			Hardware solution, semaphore				3017/18		18	a
				monitors, classic problems of synchronization				311718			
					06 Aug- 10 Aug Sessio	onal-1					_
			3	types of semaphore		1.Opearting System Concepts by Avi	PPTs on deadlock by silbertz, and Chalk	2/3/18			
				DEADLOCKS: System model,	1) Numericals will	Silberschatz, Galvin chapter 6, pg no.	Board	13/8/18			_
9	13 Aug-	5		Deadlock characterization	be solve on algorithm by	225-257 Chapter 7, pg no. 283-304		1418118			_
	18 Aug		4	Methods for handling deadlocks	explaning real time example			1618118,			
				Deadlock prevention, deadlock avoidance				1718)18.	_	5	í
\neg				Deadlock detection	Explain the concept by showing animated			18/8/18		191/	V
			4 F	Recovery from deadlock	video and PPTs also		PPTs on deadlock by	2018118	0	12	1
10	20 Aug- 24 Aug	5	S	SECONDARY STORAGE STRUCTURE: Overview of mass storage structure	and prepared MCQs	1.Opearting System Concepts by Avi	Animated videosand	21/9/13		1	
			Ī	Disk structure Tutorial	1 1	Silberschatz, Galvin chapter 12, pg no. 505-533 Chapter 8		21/31/g.		<u></u>	_







WEEK No.	Week	No. Of Lect.	Unit No.	Exact Topic Name & Subtopic	Activity/ Teaching Aid	Refrence Book - Chapter no. Page no,edition. No	ICT tools	Completion Date	Assignmen t/Tutorial Date	HOD's sign
	27 Aug -1	6	5	Disk attachment Disk scheduling Disk management Introduction to RAID structure swapping Tutorial	Showing hard disk in classroom soft copy of notes plan to give and discuss in classroom	pg no. 315-342 Chapter 9 pg no. 357-396	Disk and preparing numerical ppts	241818 241318 271773 271818 271818 2313113		2
12	Sep 3 Sep-7 Se		5	contiguous memory allocation paging structure of page table, segmentation VIRTUAL MEMORY MANAGEMENT: Background demand paging copy-on-write, page replacement, allocation of frames	Explain the concept by showing animated video and PPTs also and prepared MCQs	Silberschatz, Galvin chapter 12, pg no. 505-533 Chapter 8 pg no. 315-342	PPTs onmemory management by silbertz, video by Shaun michel stone Animated Videos and Chalk Board	23 8 21 8 1)3)18 2 3)1)18 3 1)18		
			5	Thrashing, memory mapped file Allocating kernel memory Tutorial	Notes given and teach in class room		PPTs on system	19/9/18		16
13) Sep-15	Se 6	6	SYSTEM PROTECTION: Goals of protection principles and Domain of protection Access Matrix implementation	Giving each topic to each group and explain by them and if doubt cleared in class room	1.Opearting System Concepts by Avi Silberschatz, Galvin Chapter 14 pg no. 591-610	protection by silbertz, Chalk Board	1219118 1719118 1819118		2
14	17 Sep- 21 Sep	1 5	6	Access control Revocation of access Right capability based systems	Giving each topic to each group and explain by them and if doubt cleared in class room	1.Opearting System Concepts by Avi Silberschatz, Galvin chapter 15, Pg no. 621-654	PPTs on system protection by silbertz , Chalk Board	21918 41918 41918		





