

Maharshi Karve Stree Shikshan Samstha's
Cummins College of Engineering for Women
Hingna, Nagpur – 441110

Sharpening Engineering Acumen with a difference



Annual Report
2021-22



Bharatratna Maharshi Dhondo Keshav Karve

From Principal's Desk



Dr. Bharatbhushan P. Joshi

Principal, MKSSS's Cummins College of Engineering for Women, Nagpur

Ex-Joint Director DRDO,

Qualification

BE(Hons.) EEE, BITS Pilani, ME(Mech) Guided Missiles DBM, MMS (Fin.) & Ph.D.(Engg.) Univ. of Pune Diploma in German Language

Globalization has presented new challenges for the realization of the goal for women's equality. It has been found from micro level study that benefits of the growing global economy have been unevenly distributed leading to wider economic disparities, the feminization of poverty, increased gender inequality through deteriorating working conditions and unsafe working environment especially in the informal economy and rural areas. It is therefore needed to enhance the capacity of women and empower them to meet the negative social and economic impacts, which may flow from the globalization process.

Maharshi Karve Stree Shikshan Samstha had been working on this strategy for the past 125 years. We at Cummins College of engineering for women vouch for the empowerment of women in the engineering sector through curriculum based knowledge and much beyond that which will prepare them not only a confident engineer but also a good citizen of India.

At Cummins CoE for women we ensure that our students think and act differently to reach their goal or solution. We are committed to provide the apt environment for the students of Cummins College of Engineering for women at Nagpur. The students here will find that they are getting empowered with all the skills needed either for the woman employee, woman entrepreneur and/ or woman educator. CCoEW is the only upcoming college in Nagpur where students will have access to 65 different world class companies for placement and training.

Short Biodata :-

Dr. B P Joshi is a Scientist cum Engineering-Consultant turned into Academician with 27 years of experience in Research, PG Teaching, Administration and Development. Dr. BP Joshi is a BE (Hons.) in Electrical Electronics Engineering from BITS, Pilani, India, ME (Mech.) in Guided Missiles and Doctorate in MEMS technology from Pune University, India. He also has Diploma in Business Management and Master of Management Sciences degree in

Finance.

He has worked as a Group Director at ARDE, a leading establishment of DRDO, Ministry of Defence; handling variety of projects for defence R&D. Thirteen different armament systems developed by him are in production. He also works as a consultant/ advisor on operations, production, system design and strategic business development for defence products industry & Defence PSUs. He has more than 17 publications in various national/ international conferences and journals. He has received Best Young Scientist award in DRDO and best Director / Principal award from the Alard Charitable trust while serving in Pune. He has visited Europe and Japan on technical and academics purpose.

Students admitted in 2021-22

Year	CE	ETC	MECH	Total
1st	68	64	12	144
2nd	54	41	23	118
DSE	22	6	2	30
3rd	72	11	20	103
4th	62	17	12	91
Total	278	139	70	486

Placed Students Details of 2021-22 Batch

Sr.No.	Student Name	Company Name	Branch	Salary in LpA	Avg Salary
1	Rasika Aniruddha Bakre	Citi	CE	12	Avg 5.78 LpA
2	Vanshika	Citi	CE	12	
3	Mahee Narmadaprasad Jaiswal	Citi	CE	12	
4	Ananya Jagdish Gupta	Citi	CE	12	
5	Sanskruiti Sunil Bachchuwar	Providence Global Center LLP, DXC Technologies	CE	12	
6	Vidhi Ashok Deshmukh	Barclays,DXC Technologies, Wipro	CE	12	
7	Samruddhi Subhash Wasu	Barclays, DXC Technologies	CE	12	
8	Apurva Sharma	Caterpillar	MECH	10.35	
9	Ankita Sanjay Shewale	HSBC,DXC Technologies, Wipro	ETC	9	
10	Chaitali Satish Jerpotwar	HSBC,DXC Technologies, Wipro	ETC	9	
11	Sejal Homdeo Shahare	Icertis	CE	8	
12	Tanvi Mangesh Kate	Icertis	CE	8	
13	Vedanti Niranjana Warhadpande	Infogen Labs, Accenture, Wipro, TCS	CE	8	
14	Sejal Sunil Shahare	Infogen Labs, DXC Technologies	CE	8	
15	Apoorva Sunil Sonule	Capgemini	ETC	7.5	
16	Mrunmayee Girish Deshpande	Eaton,DXC Technologies, Wipro	CE	6.8	
17	Ashlesha Liladhar Hedau	Eaton, Wipro	CE	6.8	
18	Varada Puranik	MG Motor	ETC	6	
19	Radhika Deshpande	MG Motor	ETC	6	
20	Samiksha Vijaykumar Tembhare	MG Motor,Accenture, DXC Technologies	MECH	6	
21	Aditi Jayant Joshi	MG Motor,DXC Technologies	ETC	6	
22	Ankita Pravendra Singh	TATA Electronics, DXC Technologies, Wipro	MECH	6	
23	Samiksha Sunil Choudhari	TATA Electronics, DXC Technologies	MECH	6	
24	Twinkle Fating	TATA Electronics	MECH	6	
25	Taruna Khemraj Dasariya	Accenture	CE	4.5	
26	Avanti Deepak Joshi	DXC Technologies, Wipro	CE	4	
27	Bhairavi Mukundrao Naik*	DXC Technologies	CE	4	

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28	Himani Yogesh Parihar	DXC Technologies	CE	4
29	Kalyani Raju Kolhe	DXC Technologies	CE	4
30	NUPUR TAPAS BAG	DXC Technologies	CE	4
31	Nidhi Prabhakar Gabhane*	DXC Technologies	CE	4
32	Vaishnavi Shyam Khode	DXC Technologies	CE	4
33	Vaibhavi Deepak Varma	DXC Technologies	ETC	4
34	Anagha Ajay Deshpande	DXC Technologies	CE	4
35	Prajakta Vikas Matey	DXC Technologies, Wipro	CE	4
36	Asmita Ghosh	DXC Technologies, Wipro	CE	4
37	Shubhangi	DXC Technologies	CE	4
38	Janhavi Chandrashekhar Peshkar	DXC Technologies	CE	4
39	Nupur Jitin Jain*	DXC Technologies	CE	4
40	Shweta Deshmukh	Capgemini	CE	4
41	Pranjali Ravindra Ambulkar	Wipro	CE	3.5
42	Manasi Babarao Bobde	Wipro, TCS	CE	3.5
43	Manasi Shrinivas Malge	Wipro	CE	3.5
44	Shraddha Mahesh Kutemate	Wipro	CE	3.5
45	Rupal Kadam	TCS	CE	3.36
46	Prerna Babhulkar	TCS	CE	3.36
47	Megha Ramesh Bisane	Atos	CE	3
48	Vinita waxar	Atos	ETC	3
49	Janhavi Bhanare	Atos	CE	3
50	Tithi Bhasme	Atos	CE	3
51	Aakanksha Deshpande	KPIT	Mech	4
52	Gauri Kalbande	Bristlecone	CE	4.25
53	Dipti Gawande	Kennametal India Ltd.	Mech	5.74
54	Pranali Dilip Mahant	AM/NS India Ltd.	Mech	4.5
55	Vaishnavi Ashok Raut	Infosys	CE	3.6
56	Shruti Sunil Pimpalgaonkar	TATA Communication,Infosys	CE	6.5
57	Aarya Abhyuday Khanapurkar	Infosys	CE	3.6
58	Shreya Kishor Dakhale	Infosys	CE	3.6
59	Chaitali Lichade	TATA Communication	CE	6.5
60	Ishwari Halmare	TATA Communication	ETC	6.5
61	Pratiksha Mahale	TATA Communication	CE	6.5
62	Shreya Chalisgaonkar	Infocepts	CE	3.62
63	Kalyani Dhananjay Joshi	Kohler	ETC	5

64	Pratiksha Dhobale	Aligned Automation	CE	3.5
65	Aishwarya Vinod Sarade	KPIT	ETC	4

Internship details 2021-22

Name of Students	Company
Aasawari Patil	Internshala (Digital Marketing)
Akshani Wanjari	VERZEO
Amisha Barahate	Tessolve (VLSI Design & Verification)
Apeksha Gotmare	Internshala(Digital Marketing)
Bhumika Hingankar	Gustovalley technovation Industry 4.0
Devashree Madame	Tessolve(VLSI design & verification) webuls technology (embedded system and iot) kodacy(robotics)
Eesha Thakre	Gustovalley Technovations
Gauri Kohad	Tessolve (Embedded & IOT Programming)
Gayatri Dikondwar	Tessolve(Embedded& IOT programming)
Isha Meshram	tessolve (Embedded and IOT programming)
Ketaki Randaye	tessolve (embedded & IOT programming)
Manaswee Katre	Tessolve(VLSI design & verification) webuls technology (embedded system and iot) kodacy(robotics)
Mansi Gaikwad	Gustovalley Technovations
Megha Chaudhari	Tessolve(VLSI design & verification)
Naga Lakshmi Kantipudi	Gustovalley Technovations
Nandini Lanjewar	Gustovalley Technovations
Neha Ladke	Tessolve(VLSI design and verification)
Paridhi Shahare	Gustovalley Technovations
Prachi Chaudhari	tessolve(embedded & iot programming)
Prajakta Gudadhe	tessolve(VLSI design and verification)
Rasika Wakhore	Tessolve (VLSI & verification)
Riya Baseshankar	Tessolve (VLSI & verification)
Rutika Waghmare	Gustovalley Technovations
Sakshi Tonge	Tessolve (VLSI & verification)
Sakshi Bakare	Gustovalley Technovations
Sakshi Mahant	industry 4.0 gustovalley technovations
Sayli Mehare	tessolve(embedded & iot programming)

Sejal Kalambhe	Internshala (Web Development)
Sejal Thakre	tessolve(embedded & iot programming)
Seshalasya Panchangam	Gustovalley Technovations
Siri Kudupudi	tessolve(VLSI design & verification
Tintai Mahalle	Tessolve (VLSI design and verification)
Vaidehi Wakde	gustovalley technovations
Vanshika Pardhi	Gustovalley technovations
Yuvarani Randive	Tessolve (VLSI design and verification)
Aaknsha Hingwe	
Apurva Nimishe	NPHSAT pvt. Ltd
Maithili Kakde	Internship studio
Sejal Dahake	Hetadata In
Sneha Thakur	NPHSAT Pvt.Ltd
Trupti Dipakwar	NPHSAT pvt. Ltd
Vishakha Talmale	APS Microtech Pvt Ltd
Pooja Reshimwale	Hetadatain

ACCREDITATION STATUS

NAAC ACCREDITATED WITH B++ GRADE VALID UPTO 01-11-2023

LIBRARY INFORMATION

Sr. No.	Description	Details
1.	Total No. of Titles	2859
2.	Total No. of Volumes	10370
3.	Institutional Book Bank Titles	185

4.	Institutional Book Bank Volumes	1143
5.	Reference Books	815
6.	Donated & Complimentary Copy	703
7.	Total No. of Print Journals	25
8.	Total No. of International Journals	04
9.	Total No. of National Journals	21
10.	Total No. of Magazines	13
11.	Total No. of Newspapers	06
12.	Total No. of CDs & DVDs	765
13.	Bound Volume of Periodicals	440
14.	E-Books (Free E-Books)	130
15.	E- Resources: J-Gate (Engineering & Technology) , NPTEL IIT Video & National Digital Library club membership Club registration number : INMHNC4ZYFLMT2W	

Print national Journals list renewal for year (January to December 2022)

Sr. No.	Name of National Journals	Frq.	Publisher
1	Journal on Software Engineering	4	I-managers
2	Journal of Information Technology	4	I-managers
3	Journal on Cloud Computing	2	I-managers
4	Journal of The Institution of Engineers (India) : Series C Mechanical Production , Aerospace & Marine Engineering	6	Springer Nature India Pvt Ltd

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5	JP Journal of Heat & Mass Transfer	6	Pushpa Pub. House
6	Advances and Application in Fluid Mechanics	4	Pushpa Pub. House
7	Journal of Machine Design	2	IAEME Publication
8	Journal of Computer Aided Design & Manufacturing	2	IAEME Publication
9	Journal of Automobile Technology	2	IAEME Publication
10	Journal of The Institution of Engineers (India) : Series B Electrical Electronics & Telecommunication and Computer Engineering	6	Springer Nature India Pvt Ltd.
11	IETE Technical Review	6	IETE
12	IETE Journal of Research	6	IETE
13	Indian Journal of Physics	12	Springer India
14	Current Science	24	Springer India(Indian Academy of Science)
15	Prabandhan : Indian Journal of Management	12	Associated Management Consulted Pvt. Ltd.
16	Journal of Advance Database Management & System	3	STM
17	Journal of Open Source Developments	3	STM
18	Resent Trends in Programming Languages	3	STM
19	Research & Reviews : A Journal of Embedded System & Application	3	STM
20	Resent Trends in Electronics & Communication Systems	3	STM
21	Journal of Network Security	3	STM

Print International Journals renewal for year (January to December 2022)

Sr. No.	Name of International Journals	Frq.	Publisher
1	International Journal of Material Engineering & Technology	3	Pushpa Pub. House
2	International Journal of Information Security & Software Engineering (J0035)	2	Journal Pub.
3	International Journal of Image Processing & Pattern Recognition (J0042)	2	Journal Pub.
4	International Journal Of Electrical & Machine Drive	2	Journal Pub.

Print magazines list


Sr. No.	Name of Magazines	Freq.	Publisher
1	Science India(3Year)	36	Science India
2	Electronic For You (6 Year)	72	Electronic for you.com
3	Open Source For You (6 Year)	72	Electronic for you.com
4	AutoCar India (3Year)	36	Haymarket SAC Publishing (I) Pvt. Ltd.

5	Down To Earth (3 Year)	72	Society of Environmental Communication
6	Competition Success Review (2 Year)	24	Competition Review Pvt. Ltd.
7	Engineering Success Review (2 Year)	24	Competition Review Pvt. Ltd.
8	Digit With Fast Tracks & DVD)Magazine (3 Year)	36	9.9 Group Pvt. Ltd.
9	Chanakya Mandal (3 Year)	36	Chanakya Mandal, Pune
10	Organiser (1 Year)	12	Organiser Pvt. Ltd.
11	Panchjanya (1 Year)	12	Organiser Pvt. Ltd.
12	Yog Prakash (15 Year)	180	Shree Janardhan SwamiYogabhyashi Mandal
13	Hindi Vivek (5 Year)	260	Hindusthan Prakashan Sanstha

Print newspaper list

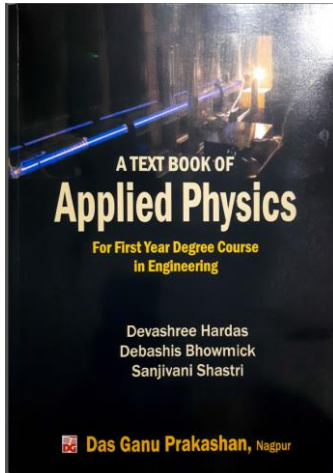
Sr. No.	Name of Newspaper	Freq.	Quantity
1	The Hitavada (English)	Daily	1
2	The Times of India (English)	Daily	1
3	Lokmat (Marathi)	Daily	1
4	Tarun Bharat (Marathi)	Daily	1
5	Loksatta (Marathi)	Daily	1
6	Employment News (English)	Weekly	1

Books and Chapters Published

1		<p>Strategic Innovation for Micromechanics, Book by Dr. Bharatbhushan Joshi, Nachiket Prakashan, ISBN: 978-93-861839-9-6, 30 Jan 2017.</p>
2	Indigenous Technology for smarter Mankind,	

		<p>Book by Dr. Bharatbhushan Joshi, Nachiket Prakashan, ISBN: 978-93-865210-0-2, 28 Feb 2017.</p>
<p>3</p>		<p>Higher Education Faculty Career Orientation and Advancement Book by CEGR Publication ISBN: 978-81-933475-9-1, 18 April 2017</p> <p>Contributed a chapter on ‘Course Plan and Scheduling as per course duration’</p>
<p>4</p>		<p>Environmental Studies Book by CEGR Publication, ISBN: 978-81-935740-0-3, 8th Dec 2017</p> <p>Contributed Chapter on Natural Resources</p>
<p>5</p>		<p>Environmental Studies Book by CEGR Publication, ISBN: 978-81-935740-0-3, 8th Dec 2017</p> <p>Contributed Chapter on Carbon Credits</p>
<p>6</p>		<p>A text book of Advanced Engineering Materials</p> <p>Book by Das Ganu Prakashan Nagpur ISBN 978-93-84336-70-7 Author :- Dr. Sanjivani Shastri Dr. Devashree Hardas Dr. Sangita Wankhede Dr. Debashish Bhowmick Dr. Sharmila Bhonsule Dr. Shruti Patle</p>

7



A text book of Applied Physics

Book by Das Ganu Prakashan, Nagpur

**Author :- Dr. Sanjivani Shastri
Devashree Hardas
Debashish Bhowmick**

List of Laboratories

Department of Allied Science

Sem - I

1. Basic Electrical Lab
2. Engineering Chemistry
3. Engineering Physics
4. Computer Lab
5. Language Lab
6. Engineering Graphics

Sem - II

1. Material Chemistry
2. Advance Physics
3. Engineering Mechanics
4. Auto CAD Lab
5. Workshop

Department of Electronics & Telecommunication

1. Electronic Workshop
2. Project Lab- 1
3. Microwave & Radar Engineering
4. Electronic & Devices Circuits
5. Analog Circuits & Design
6. Digital Circuits
7. Communication Engineering

8. Computer Communication Network
9. LabView Lab
10. Electronic Measurement & Instrumentation
11. Control System
12. Power Electronics
13. Television & Video Engineering
14. Software Workshop
15. Digital Signal Processing
16. DSP Processor & Architecture
17. Microprocessor & Microcontroller
18. Advanced Digital System Design
19. Project Lab – 2

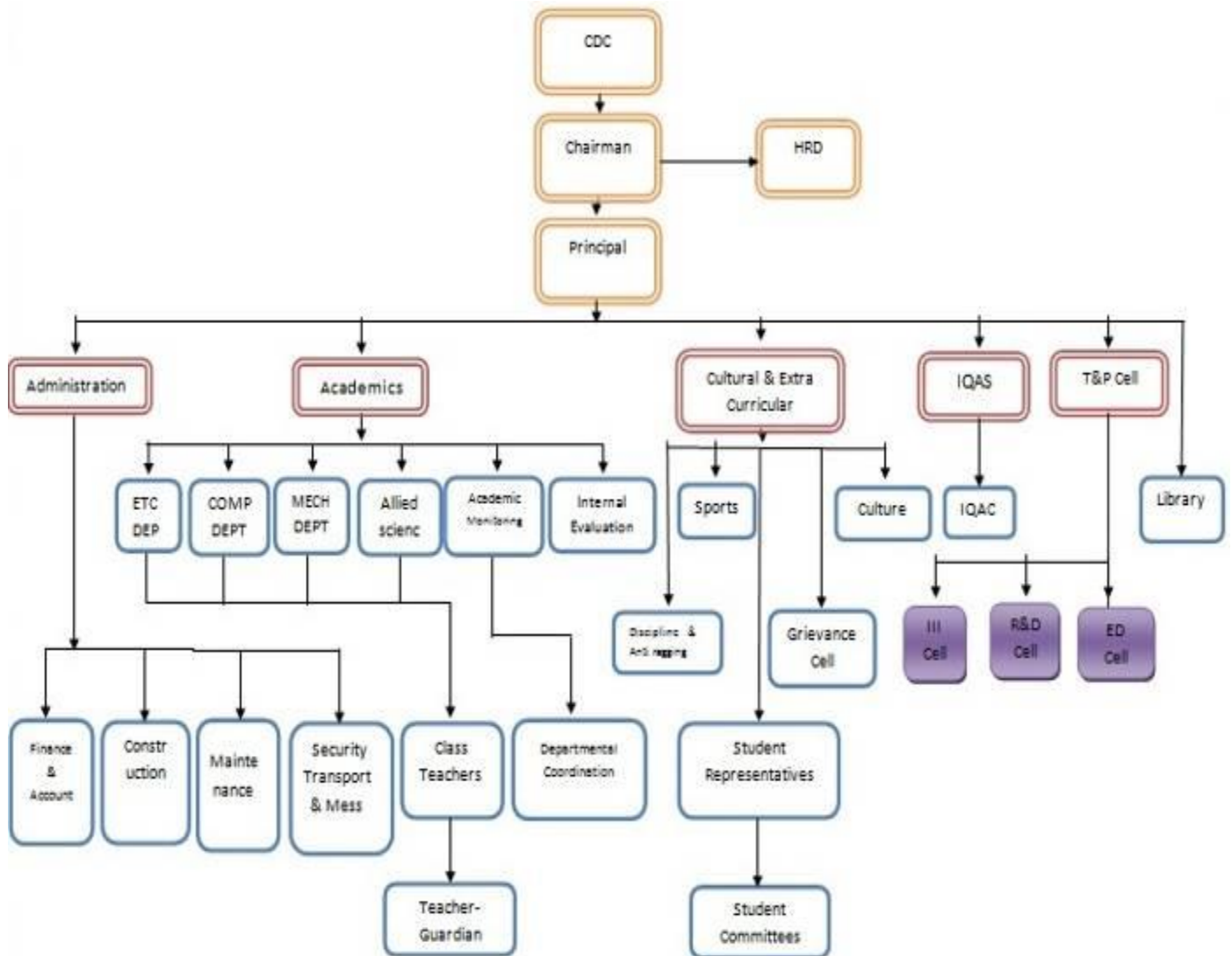
Department of Mechanical Engineering

1. Heat Transfer Lab
2. Dynamic of Machines lab
3. Hydraulic Machine lab
4. Computer aided design
5. Engineering Metallurgy & Engineering Mechanics
6. Mechatronics, Automation in Production & Mechanical Measurement and Metrology
7. Machine Drawing Lab
8. Workshop Practice Lab
9. Manufacturing Process Lab
10. Machining Process Lab
11. Energy Conversion Lab – 1,2,3
12. Mechanics of Material
13. Automobile Engineering

Department of Computer Engineering

1. Advanced Software Lab
2. Project Lab
3. Computer Center
4. Language Lab
5. Computer Application Lab
6. Programming Lab

Organizational Chart



Above organizational chart gives the details of the organization of the college. All the activities of the college are run and controlled, as indicated in the above organizational Chart.

Events organized

1. Cummins college donates Tablets to students on Baya Karve Jayanti

Maharshi Karve Stree Shikshan Samstha's Cummins College of engineering for Women celebrated "Baya Karve Jayanti " in a unique way. Anandibai Karve, popularly known as "Baya Karve" wife of Maharshi Karve was the greatest support to Maharshi Karve, Anna in his mission of "**Women's Education**".

In the pandemic situation of new normals, classes are being conducted on the virtual platform. Many students do not have a smartphone or live in a digitally divided area. College is always striving to help the students to overcome their problems. To help such needy and deserving students, the college approached one NGO to donate tablets to needy and deserving students. NGO "Lodge Trimurty No 294, Nagpur, donated 14 tablets worth Rs. 87,500/- to the students.

On the auspicious occasion of Baya Karve Jayanti, Cummins college arranged the program of distribution of Datamini tablets for e-learning to its 14 students. The program was conducted online mode for college faculty and blended with offline mode for the beneficiaries to come and collect the Tablet. On this occasion, Mr Tarun Shrivastava, secretary of Lodge Trimurty No 294 said that the NGO has decided to donate the Datamini tablets to girl students who are needy and deserving. They were pleased to donate the tablets to the students of Cummins College, which is dedicated toward women empowerment. Local management members Mr Hement Ambaselkar, Mrs Surekha tai Saraf and Mr Shrikant Chitale were present for the program. Simran Kaur briefed about the samstha and Sejal Kalambe gave the information about Baya karve . The program was conducted under the guidance of Principal Dr Bhratbhusan Joshi and coordinated by Dr Sanjivani shastri.



2. Dr. Priyadarshini Ramteke of Cummins College conferred with Gold Medal

Dr. Priyadarshini Ramteke received the prestigious Dr. T. V. Gedam Felicitation Gold Medal at 108th Convocation ceremony which was organized recently by Rasthrasant Tukdoji Maharaj Nagpur University. It was a pleasant coincidence that Dr. T. V. Gedam was also present on this occasion and she was awarded at his hands. She received this award for her research work in the subject Psychology. Her topic for research is “Self efficacy, Stress and Academic Achievement among undergraduate engineering students staying at Hostel and Home”. She gives the credit of her success to her guide Dr. Rubeena J. Ansari and her parents. Presently she is working as an Assistant Professor at Cummins College of Engineering for Women, Nagpur. She also expresses her gratitude to the Management members of Maharashi Karve Stree Shikshan Samstha, Dr. Bhushan Joshi, Principal, Cummins College of Engineering for Women and the entire staff for their constant motivation and support.



3. “CUMMINS COLLEGE felicitates Covid Warriors”

Maharshi Karve Stree Shikshan Samstha’s Cummins College of Engineering for Women, Nagpur felicitated its seven non-teaching staff for their valuable contribution as Covid Warriors in covid-19 pandemic at the hands of Dr. Manjushri Waikar, Professor, Government Medical College Nagpur who is also a Covid Warrior and had significant contribution in terms of treatment of Covid patients at Government Medical College Nagpur. Shri Pravin Selukar, Shri Shyam Jawane, Shri Nitin Narwade, Shri Sunil Patil, Shri Khemraj Giripunje, Shri Yogesh Rudrakar and Shri Nitin Sawarkar, the Cummins staff were deputed to a Covid center of Hingna Grampanchayat to assist in managing the testing center. They did their duty with courage and dedication by taking the risk about health. On behalf of management of MKSSS’ Cummins college of Engineering for Women, Dr. Bharatbhushan Joshi Principal appreciated their dedication and efforts. Such devotion of these staff will be a source of inspiration for others. This program was graced by Dr Ravi Waikar guest of honour and local committee members Mr. Hemant Ambaselkar and Mr. Shrikant Chitale. This felicitation program was coordinated by Dr. Shailesh Khekale under the guidance of Dr. Bharatbhushan Joshi.



4. IEEE PES Day 2021 award received by Cummins college of Engineering for women, Nagpur

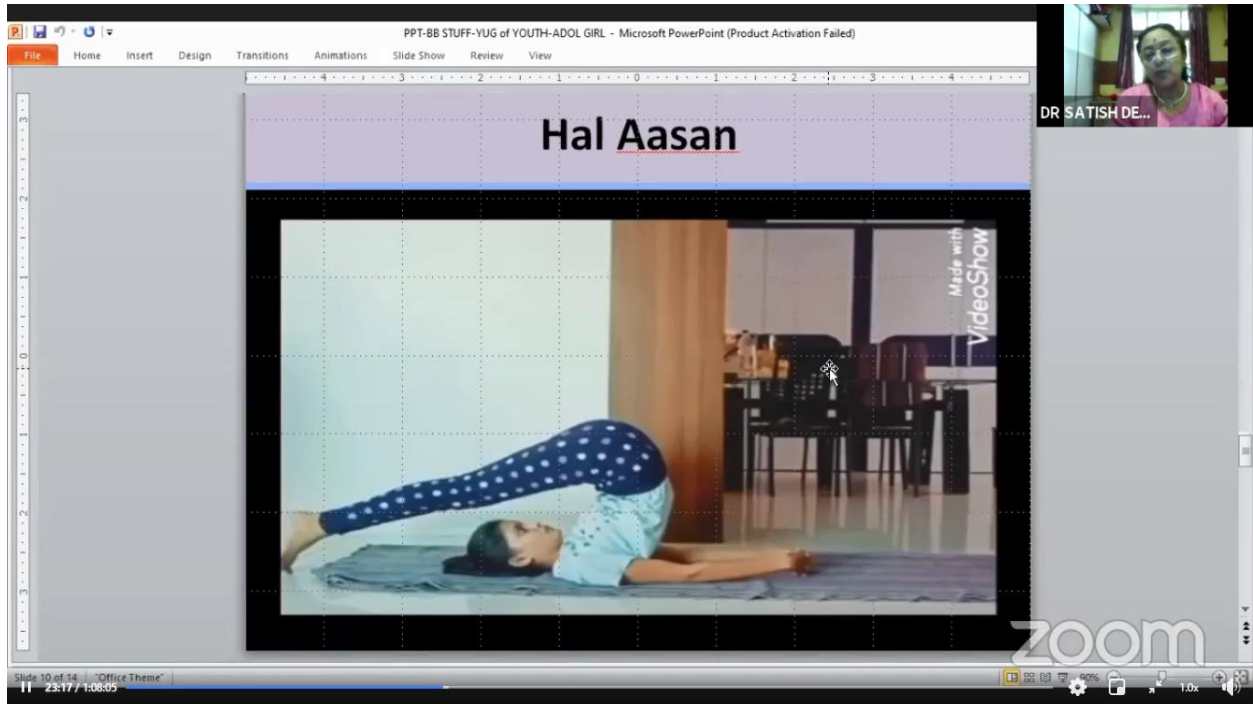
Maharshi Karve Stree shikshan Samstha's, Cummins College of Engineering for Women, Nagpur IEEE Student Branch has been awarded with the 'Best PES Day 2021 Activity' award by the IEEE Bombay Section for arranging global level activities on the occasion of PES Day 2021, under the theme 'Clean Energy Revolution'. The award has been received by Mrs. Jaya Gadge-Branch Counselor at IEEE CCoEW SB and Ms. Himanee Padole - Student Coordinator of CCoEW and coordinator of IEEE PES Bombay Section. It has been a great honour as this is the first time that we have received a special SB recognition for PES Day 2021. And we, as a team are working on our strategies for the evolution of our committee and to achieve numerous goals in the years to come. Dr. Bharatbhushan Joshi, Principal of CCoEW appreciated college IEEE student branch.

**5. CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR
CELEBRATED “International Yoga Day”**

Maharshi Karve Stree Shikshan Samstha's Cummins College of Engineering for Women, Nagpur has organized “International Yoga Day” on 21st June 2021 in a novel way by conducting 9 days of training for all by the Yoga trainers of the college. Due to Covid-19 pandemic, students of Cummins College of Engineering for Women have organised online training with ‘Yoga at Home’ concept from 13th June to 21st June. The eight Yoga trainers demonstrated 14 different Yogasanas with 7 different pranayamas, every day new one. On 21st June 2021, Dr. Ujjwala Deshmukh, Consulting Gynecologist, delivered speech on ‘Youth and Yoga’. Miss Khushi Bhushan, student of Cummins College of Engineering for Women, Nagpur conducted the session.

The novel concept of Yoga training for 9 days was suggested & also guided by Principal Dr. Bharatbhushan Joshi and many students got benefitted with this. The concept was coordinated by Dr. Shailesh Narayanrao Khekale, Miss. Dyananda Akarte, Miss. Swarnima Kahate, Miss Kalyani Kolhe, Miss. Mahee Jaiswal, Miss. Neha Singh, Miss. Harsha Kumari, Miss Khushi Bhushan and Miss Swati Rahangadale of yoga Club of Cummins Nagpur have worked hard for successful

conduction of this 9 days online yoga activities and International Yoga Day celebration.



Dr. Ujjwala Deshmukh is delivering the speech

6. Google Developer Student Club Starts at CUMMINS COLLEGE

Maharshi Karve Stree Shikshan Samstha's Cummins College of Engineering for Women, Nagpur has organized an information session about **GDSC-CCEWN Club** on the occasion of Teacher's Day. We started the session with the launch of the club. The attendees were briefed about GDSC upcoming events such as Solution Challenge, Wow Hackathon, Google Cloud challenge, Flutter campaign and many more. In addition, we acknowledged how GDSC would help them in technical and non-technical development. The program concluded with an inspiring talk by **Dr. Bharatbhusan Joshi**, Principal of Cummins College of Engineering for Women, Nagpur.

This session was live-streamed through the bevy platform. The core team consists of **Mahee Jaiswal, GDSC-CCEWN Lead** who is a Beta Student partner of the Microsoft Learn Student Ambassadors community, Gold Tier Facilitator of #IamRemarkable by Google, and Mentee of the Google Cloud Sprint Program and the other members are **Amruta Kashikar** as Technical head who developed a Covid-19 Bed Manager App for efficient bed management during this pandemic, which bagged third prize in ProGeek Cup 2021. As Operation and Strategy Head, **Khushi Bhushan** is skilled in working as a Content Writing intern for an established firm and was awarded for her oratory and communication skills. **Simranjeet Kaur**, as the Management Head, is also elected as

president of the language club for CCEW and a JAVA programmer and an adept raconteur. **Anshika Kumari**, as Creative Head, is the secretary of the language club for CCEW. The Social Media Head is **Divyanshi Singh**. Divyanshi also serves as the vice president of the language club for CCEW.

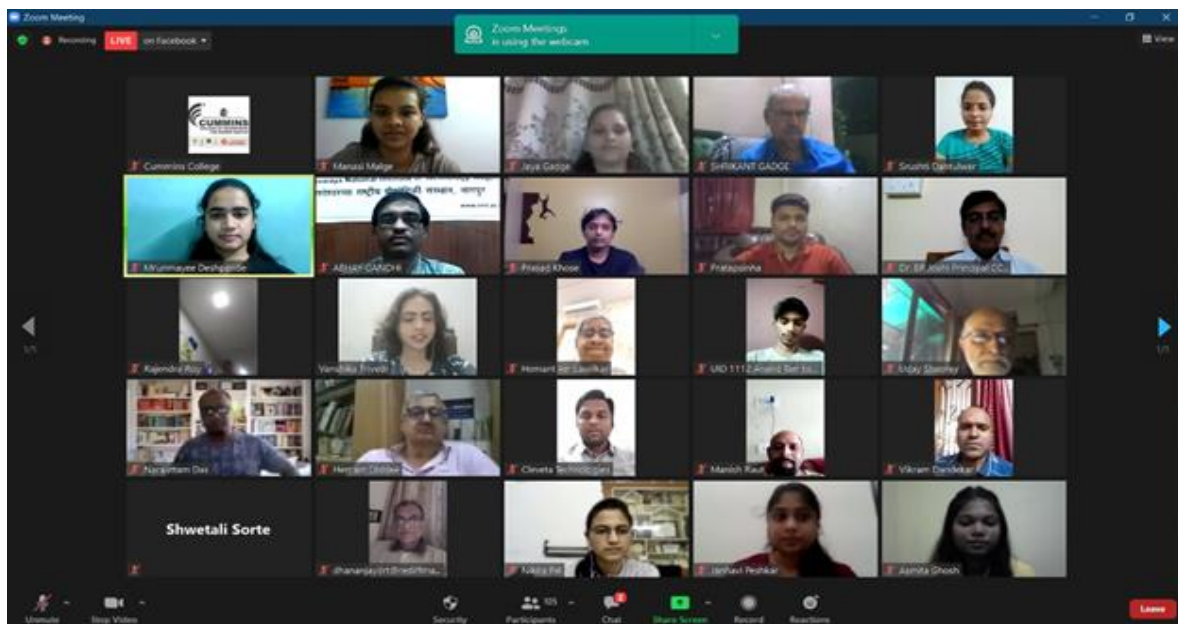
Prof. Sakshi Khamankar and the core team of GDSC-CCEWN took this initiative and efforts to organize this information session under the guidance of Dr. Bharatbhushan Joshi, Principal of Cummins College of Engineering for Women, Nagpur

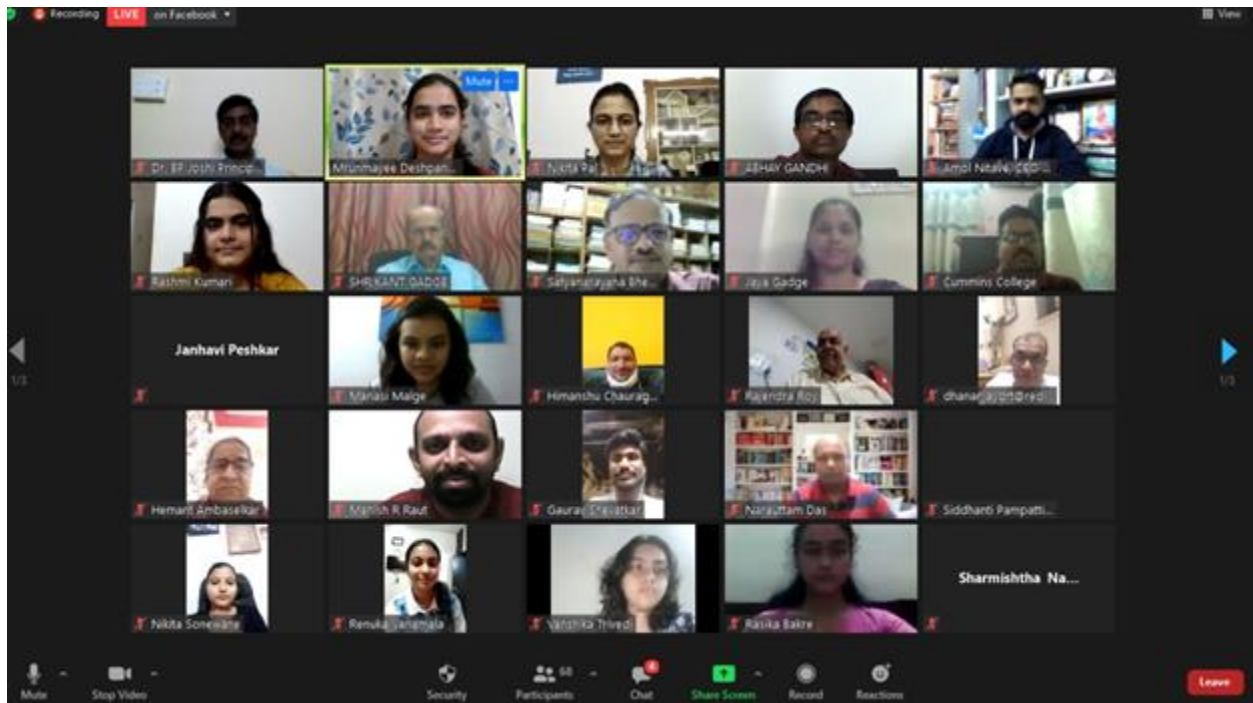
7. Cummins Organized Entrepreneurship promotion event

MKSSS' Cummins College of Engineering for Women, Nagpur organized a two days **Innovex C2P 2021** event under IEEE Technology & Engineering Management Society (**TEMS**) in association with IEEE Nagpur subsection on 30th and 31st July 2021. It is not an event but a movement for taking **Concept to Product (C2P)** and encouraging the students to take up product development at college level leading to entrepreneurship. The first stage of the event was Ideation presentation. 46 groups registered for the event from all over the country and we shortlisted 25 groups for Ideation. Mentors from industry in the different categories- Emerging Technology, Smart City, Health & Life Sciences, Agriculture, Lab to Land and Societal Usage judged the presentations by the students and also gave them tips/ ideas for further improvement. Cash prizes of Rs 5000/- for the best idea from every category and some consolation prizes were given to the participating students. The Best Idea prizes were won by Ms.Shubhangi and Mansi for Societal-Usage; Ms. Shrushti Vaidya and team for Emerging Technology; Mr.Himanshu for smart city; Ms.Shweta Deshmukh & team and Ms.Arya for Health & Life Sciences; Consolation Prizes of Rs 2000 each were given to Ms.Yasmini and group for Social-Usage and to Mr. Noyal from Kerala Agriculture and Lab-to-land.

On day-1 the event was inaugurated by Mr.Prasad Khose, founder of Crayomi. He spoke about passion, empathy mapping and why behind an

idea. At valedictory function Dr. B. Satyanarayana, Chair of IEEE Bombay section, appreciated the new concept of the event and he spoke about how to invoke a thought process of converting concept into product. Dr. Bharatbhushan Joshi, IEEE TEMS chair and Principal of CCoEW conceived the whole idea of the movement and guided the IEEE CCoEW organising team. Event was coordinated by Prof. Jaya Gadge, IEEE CCoEW branch counselor and Ms. Mrunmayee Deshpande, IEEE CCoEW branch chair.



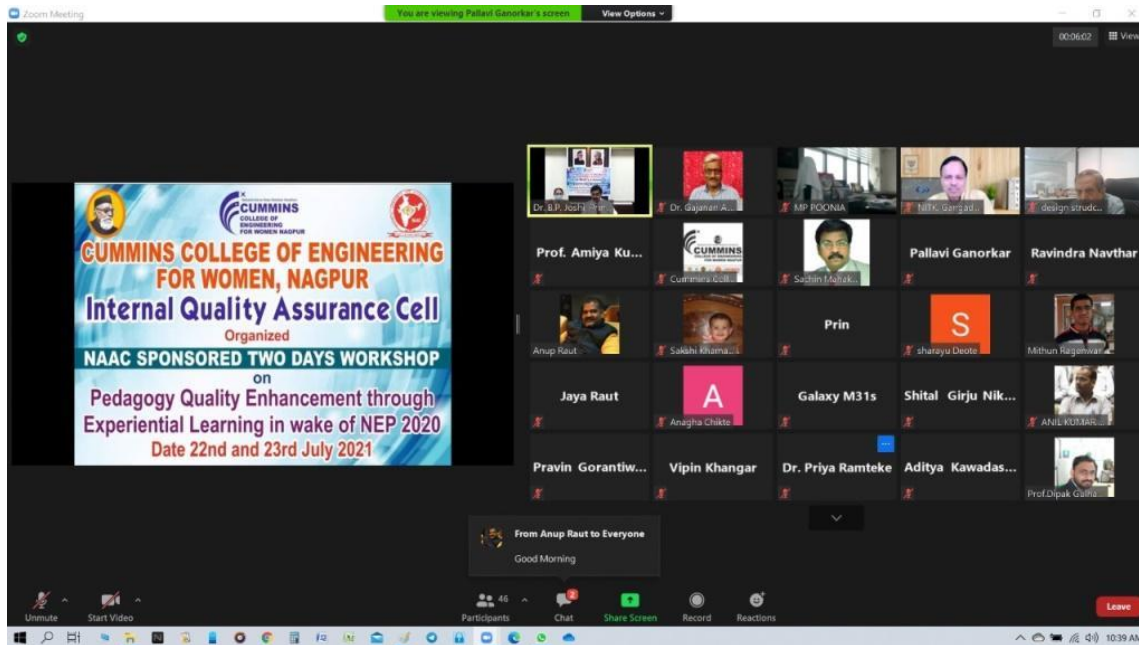


8. Cummins College, Nagpur conducts workshop on Pedagogy

CCoEW conducted online National Level workshop in association with NAAC, on “Pedagogy Quality Enhancement in Experiential Learning in wake of NEP 2020.” On 22nd July & 23rd July. The workshop was inaugurated by MP Pooniya, Vice chairman, AICTE, New Delhi. He expressed gladness on the topic chosen for the workshop. He said that the workshop will be helpful to participants in their day to day teaching. There were six sessions conducted by experts from all over India. The information about the Accreditation process was given by Prof Amiya Kumar Rath, Advisor NAAC,. A session on Experiential learning using virtual lab platform was conducted by Beryl Thomus from NITK Suratkal. Collaborative learning and innovations In teaching was explained by Dr Sachin Mandavgane from VNIT, Nagpur. On the second day, experiential learning in programming was explained by Aniket Pingle from IIIT Nagpur. Mr Ajinkya kottwar. Director, Dyan Foundation Nagpur told about the various ways of experiential learning. The workshop was concluded by valedictory function in presence of Dr K Gangadharan from NITK, and Dr Leena Gahane Deputy advisor NAAC as a guest of Honor.

The workshop was attended by many principals, faculties and students from all over India. The management members Jayant Inamdar, Hement Ambselkar,

Shrikant Gadge were present for the workshop. The event was coordinated by Dr Sanjivani Shastri , IQAC coordinator under the guidance of Principal Dr B P Joshi.



9. 6- Days Virtual Short Term Training Program CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR

Computer Engineering Department of Maharshi Karve Stree Shikshan Samstha's Cummins College of Engineering for Women, Nagpur has organized a Short Term Training Program (STTP) on “**Comprehensive Future In Artificial Intelligence**” held from 22nd June to 27th June 2021. We are inviting Experts in the field of AI. In this event speaker's from various field delivered their talk on various thrust areas such AI, ML , deep learning , ML algorithms , data extraction and many more . More than 150 participants enthusiastically participated from all over the India. The STTP was inaugumted by a Key note talk by Dr.Prabhat Ranjan Vice Chancellor of D.Y. Patil Intenationl University, Akurdi, Pune on 22nd June 2021 at 11:00 AM & Dr. Bharatbhusan Joshi Principal of Cummins College of Engineering for Women gave welcome address inauguration of the STTP on 22nd June.

This 6- Days STTP was live streamed thorough ZOOM platform. **Dr. Rizwan Ahmed** (Chief Technology Officer at delaPlex) shared his views on “Impact of Internet & AI”, **Dr. Dhanraj Dhotre** (Associate Professor, S.S.G.M.C.E., Shegaon) presented and taken hands on “Data Extraction for AI using MATLAB” ,**Dr. Amit Andre** (Chief

Executive Officer, VINSYS) focused on “Machine learning with AWS” , **Dr. Pooja Jain** (IIIT, Nagpur.) delivered practical session on” Diving into Machine Learning” , Mr. **Sharangdhar Sharma** (Senior Technical program Manager, Akamai Technologies ,Bangalore) presented his topic on “Industrial approach of AI”, **Mr. Bhagvan Kommadi** (Director of Product Engineering at Value Momentum | TEDx Speaker | Member-Harvard Business Review Advisory Council Hyderabad, Telangana, India) delivered his session on “various aspects of AI” More than 200 participants, who are research scholars, engineering faculty and students of UG and UG from all over India had registered for this STTP.

Prof. Sakshi Khamankar and team of computer engineering department had taken the initiative and efforts for organizing this Short Term Training Program under guidance of Dr. Bharatbhushan Joshi, Principal Cummins College of Engineering for Women

10. National Technology Day Event

Maharshi Karve Stree Shikshan Samstha’s Cummins College of Engineering Nagpur celebrated National Technology Day on May 11, 2021. The event started with motivation and guidance by Dr. Bharatbhushan Joshi, Principal of Cummins College of Engineering for women, Nagpur. The Chief guest of the the event was Dr. K. C. VORA, Sr. Deputy Director and Head at Automotive Research Association of India (ARAI) Academy, Pune .He delivered the lecture on Electric Vehicles and highlighted India’s Goals for Electrification as well as Mobility Solutions in Global context. On the Occasion, an online quiz Competition was organized based on video. Videos based on topics The Future of computers, Wireless earphone technology how it is working behind and Manufacturing of rockets and tour of factory were given to CE, Electronics & Telecommunication and Mechanical Engineering Department respectively. The Faculty Coordinator of event Yogesh Dandekar announced winners of the competition and the session ended on a good note.

11. Workshop by Acharya Prashant

Miss Simarnjeet Kaur compared the whole program.

Dr Shastri gave a brief introduction of Acharya Prashant: Acharya Prashant is an Indian author and Advaita teacher. He teaches seventeen forms of Gita and sixty forms of Upanishadas. He is a founder of a non-profit organization named Prashant Advait Foundation, and is a animal rights activists.

Mr Smeer Bendre, CEO of Persistent gave the welcome speech. He told about Fearless living is the need of the student which is necessary for girl student. He also gave the information about the persistent company “Kiran scholarship”.

Acharya Prashant Answered the questions of students in vary lucid way.

The questions asked by students:

Kiran Mehta: How to get rid of Addiction of mobile phone.

Ans: Loss of spontaneity. One should be cautious of the internet. Communication in text is safe. You need to overcome fear. Ask your self that does it deserve it. You should wait for the other person you are waiting for his answer. This cannot save time. Directly conversation is best way to communicate. Your knowledge s your knowledge. Use technology to your advantage. And it should not be handicap to you. Things that make you crutches. In new technology if a monkey is given a weapon, then it will use it for distraction and not for creative use. This will lead to self-distraction. You have to be right within. Think of all the people like rawan, hiranykshyap, duryodhan were using power for distraction and they are still remembered for their bad things. Extinction of fishiest is going to be their. Technology will be a bigger stride. It should be in safe hands. One should be great within otherwise there will be catastrophic seen. Technology going to high level, but wisdom is

not. Spiritual growth is must. If money is given a missile then wait for the consequences.

 आचार्य प्रशान्त - Acharya Prashant
4 hours ago

परसिस्टेंट सिस्टम्स व कमिन्स कॉलेज ऑफ़ इंजीनियरिंग फॉर वीमेन, नागपुर ने मिलकर आचार्य प्रशांत का स्वा...Read more



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Persistent Systems

&



MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S
Cummins
COLLEGE OF ENGINEERING
FOR WOMEN, NAGPUR



PRESENTS

FEARLESS LIVING

(An interaction session)



21 NOV, 2022

1PM TO 3PM

at

**Kaviguru Kalidas Auditorium
Persistent Systems Nagpur**

ACHARYA PRASHANT

Vedanta Exegete,
National Bestselling Author
IITD-IIMA Alumnus, Ex-Civil Servant



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MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S

Cummins
COLLEGE OF ENGINEERING
FOR WOMEN, NAGPUR

12. NAAC Sponsored Two days Workshop on “Pedagogy Quality Enhancement Through Experiential Learning in Wake of NEP 2020”



MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S
CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR
 NAAC Sponsored Two Days Workshop
 Organized By
 Internal Quality Assurance Cell (IQAC)



On
**“Pedagogy Quality Enhancement Through Experiential Learning In
 Wake of NEP 2020”**

ABOUT WORKSHOP:

The entitled workshop encompasses the broader perspective of innovations in teaching learning process and aims to impart the knowledge regarding the following contents.

- Easy learning process
- Abstract conceptualization
- Collaborative learning
- Innovations in teaching
- Quality enhancement in teaching
- Activity based learning in wake of NEP 2020

About College

- 1) Most safe and secured college
- 2) Scholarships to all needy and deserving.
- 3) Enriched curriculum with Industry based projects.
- 4) Skill development courses for Ind 4.0
- 5) Strong Academics
- 6) Experiential learning

Resource Persons:
 Experts from Academia, Industry and NAAC

Convener:
Dr. Sanjivani Shastri
 Assistant Professor & IQAC Co-ordinator
 (Mob. No.- 9850385463)

Contact Persons:
Prof. Prasanna Lohe
 (Mob. No. 9404034684)
Prof. Jaya Raut
 (Mob. No. 9765184637)

Registration Link: <https://bit.ly/ccoewnaacws> | E-mail: workshop@cumminscollege.edu.in

22 July – 23 July 2021

10.00 AM – 4.00 PM

*** Free Registration* *Participation Certificate will be Provided ***

Pedagogy quality enhancement through experiential learning in wake of NEP2020”

Objectives : For improving students learning experience **Activity based learning** that is **experiential learning** is necessary. Learning by doing is the key to understand the concepts. This webinar is aiming to develop ability in teachers to design and implement innovative activities in classes. Teachers can facilitate students to undergo constructive learning and develop innovative pedagogical and learning skills.

Sub Themes: Easy learning process, abstract conceptualization, and learning by doing, Collaborative learning, and innovations in teaching. Quality enhancement in teaching. Activity based learning in wake of NEP2020.

Expected outcome: Students learning experience can be improved by experiential learning. To adopt the outcome based teaching and learning educators in higher education expect the students to learn with experience. However a gap is found in

between student learning activities and intended learning outcome. Knowledge can be gained by experiential learning. The students come to know the practical aspects by engaging themselves in learning environment. The webinar will be helpful to faculties to know the effective methods of experiential learning. They will come to know innovative ideas of teaching which are useful for effective teaching.

Participants(nature/categories):Academia,Industry&ResearchInstitutes

ENTRIES AND PARTICIPATION

The brochure of the workshop was send to more than 1000 persons requesting to attend the workshop. There was overwhelming response for registration from all over India. The registration was received from many states like Maharashtra, Panjab, Karnataka, MP, UP & Kerala. The participants were mostly teachers from various colleges like engineering ,science, commerce and arts faculties. Total 144 persons attended the workshop.

PROGRAM SCHEDULE

	<p>Maharshi Karve Stree Shikshan Samstha's CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR</p> <p>NAAC Sponsored Two Days Workshop On</p>																									
Pedagogy Quality Enhancement Through Experiential Learning In Wake of NEP 2020																										
<p>About Workshop</p> <p>We propose Workshop on “Pedagogy Quality Enhancement Through Experiential Learning In Wake Of NEP 2020”. This Online event will provide an opportunity to broader perspective of innovations in teaching learning process and aims to impart the knowledge Regarding</p> <ul style="list-style-type: none"> ✓ Easy learning process ✓ Abstract conceptualization ✓ Collaborative learning ✓ Innovations in teaching ✓ Quality enhancement in teaching ✓ Activity based learning in wake of NEP 2020. <p>This workshop is aiming to develop ability in teachers to design and implement innovative activities in classes, also it will be helpful to faculties to know the effective methods of experiential learning.</p>	<p>Day 1 : 22nd July 2021</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Inauguration and Key Note 10:30 AM</td> <td></td> <td>Dr. M.P. Poonia Vice Chairman, AICTE</td> </tr> <tr> <td>Session 1 11:30 AM</td> <td></td> <td>Dr. Amiya Kumar Rath Advisor in NAAC Topic: Assessment and accreditation process</td> </tr> <tr> <td>Session 2 12:30 PM</td> <td></td> <td>Beryl Thomas Senior Research fellow NITK Surathkal Topic: Easy learning process and learning by doing using Virtual Labs.</td> </tr> <tr> <td>Session 3 3 PM</td> <td></td> <td>Dr. Sachin Mandavgane Associate Professor, VNIT Nagpur Topic: Collaborative learning and innovations in teaching</td> </tr> <tr> <td>Session 4 4:30 PM</td> <td></td> <td>Prof. Manish Jain Principal Coordinator, CCL Topic: Come fall in love with STEM</td> </tr> </table>	Inauguration and Key Note 10:30 AM		Dr. M.P. Poonia Vice Chairman, AICTE	Session 1 11:30 AM		Dr. Amiya Kumar Rath Advisor in NAAC Topic: Assessment and accreditation process	Session 2 12:30 PM		Beryl Thomas Senior Research fellow NITK Surathkal Topic: Easy learning process and learning by doing using Virtual Labs.	Session 3 3 PM		Dr. Sachin Mandavgane Associate Professor, VNIT Nagpur Topic: Collaborative learning and innovations in teaching	Session 4 4:30 PM		Prof. Manish Jain Principal Coordinator, CCL Topic: Come fall in love with STEM	<p>Day 2 : 23rd July 2021</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Session 1 10.30 AM</td> <td></td> <td>Dr. Aniket Pingle Assistant Professor, IIIT Nagpur Topic: Experiential learning in programming techniques</td> </tr> <tr> <td>Session 2 11.30AM</td> <td></td> <td>Mr. Ajikya Kottawar Founder & President of Dnyan Foundation Topic: Experiential learning</td> </tr> <tr> <td>Valedictory 12.30 PM</td> <td></td> <td>Dr K Gangadharan Professor at NITK suratkal</td> </tr> </table> <p>Join us on 22nd and 23rd July 2021 On Zoom</p>	Session 1 10.30 AM		Dr. Aniket Pingle Assistant Professor, IIIT Nagpur Topic: Experiential learning in programming techniques	Session 2 11.30AM		Mr. Ajikya Kottawar Founder & President of Dnyan Foundation Topic: Experiential learning	Valedictory 12.30 PM		Dr K Gangadharan Professor at NITK suratkal
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Day-1 (22nd July 2021)

Inauguration Ceremony

The Grand Inaugural Function of the two day online workshop on Pedagogy Quality Enhancement through Experiential Learning in Wake of NEP 2020 was held at Cummins College of Engineering for women, Nagpur on 22nd July, 2021. Dr. M.P. Poonia, Vice Chairman, AICTE was the chief guest and Dr.Amiya Kumar Rath, Advisor in NAAC was the Guest of Honor of the program. The other dignitaries include, Dr. Jayant Inamdar, Presiding Management member, Mr. Hemant Ambaselkar, Member, MKSSS Nagpur Prkalp, grace the event by their online presence. The event was officially inaugurated by virtual lamp lightning. A preamble about the workshop was delivered by the convener of the workshop Dr.SanjivaniShastri. Prof. Harshwardhan Kharpate briefed about the works of Maharshi Karve Stree Shikshan Samstha and Cummins College of Engineering for Women, Nagpur. Dr.Bharatbhushan Joshi The principal of Cummins College of engineering for women, Nagpur welcomed all the dignitaries and participants. The inauguration function was concluded by an inspirational key note address of the chief guest.



Dr. Bharatbhushan Joshi in his welcome note informed that this workshop has covered almost all the topics related to pedagogy quality enhancement and these two day sessions are going to be life changing sessions for all. He also informed about a few practices like orientation program for newly admitted students and activity based

learning that institute is implementing since past few years under the guidelines of AICTE.

Due to pandemic, classes shifted to e-platform but we didn't stop the activity based learning pattern, we are thankful to the IITs and NITs for providing access to virtual labs, due to which, activity based learning could be continued in this pandemic situation, said Dr.Joshi. Some other teaching learning approaches, like, system designed approach and experiential learning approach were also explained by him. He was very delighted to share that, to improve the concentration of the students, some motor skills concentration booster games, aptitude building activities are being conducted regularly by the Allied science teachers of the institute.



Dr Bharatbhushan Joshi, Principal, CCoEW

Dr. M.P. Pooniya in his Key Note Address congratulated and appreciated the efforts of the institute for conducting this workshop and also expressed his best wishes to the team for its enthusiasm and team work to make the event successful. Dr.Pooniya expressed that We Indians are blessed with rich culture and well known for our great heritage of history. We are enriched with morals, values and sanskaras. Our country has large population and one third of this is young population. Now the foremost dream of ours is to build the strong values and sanskaras in youth. Youth of today should be strong not only by the academics but also by the morals and values. Honesty and sincerity should be the key factors in their character. The youth are to be converted in to socially relevant human resources. They should be taught social

antiquates sanskaras, moral values and ethics. Now it's the time that the whole world should recognize our contribution to make the society strong. He raised the issue of educated unemployed youth. If a person is uneducated and unemployed that can be considered for some extent but a person is educated and still unemployed then the matter is of great concern. Dr. Pooniya, in his eye opening speech explained that the teacher should create interest in the class. The entire teaching learning process should be student centric. Students should be given the rights to find out the solutions for any problem. This approach will definitely change the mindset of both the teacher and student as well. The student's faith on the teacher and the subject, society's faith on teacher plays the major impact on student's life. The role of teachers is very very important and particularly the teachers from higher education. Teachers of technical educations are for the betterment of the society, for the future of youth. Feeling of happiness and self satisfaction after the class is important. The teacher has to be very cautious about his character in this noble profession.

Day 1:22/07/2021

Session 1

Speaker: Dr. Amiya Rath

Topic: Assessment and accreditation process

First day, first session started with an informative session on the topic 'NAAC assessment and Accreditation Process' by Mr. Amiya Rath, Advisor in NAAC.

Mr. Rath, in his detailed presentation, spoke about NAAC framework for Assessment and Accreditation process. He detailed about Criteria for assessment and Key Indicators. He further detailed about the procedures and the institutional preparations that needs to fill the Self Study Report. He also spoke about achievement of Program Outcomes, framing Course Objectives and achievement of Course Outcomes. He also gave valuable inputs about how Blooms Taxonomy is used to frame Course Objectives. He presented detailed information about all the seven criteria and institutional preparation for filling SSR.

He started his presentation with the vision and mission of NAAC which is 'To make quality the defining element of higher education in India through a combination of self and external quality evaluation, promotion and sustenance initiatives'. He also briefed about the five guiding elements for A&A Process which includes: Contributing to National Development,) Inculcating a Value System among Students, Fostering Global Competencies among Students, Promoting the Use of Technology and Quest for Excellence. Mr. Rath then briefed about the seven criteria which serve as a basis of assessment of HEIs.

Before giving the details about all the seven criteria, he spoke about the process of Accreditation with the help of a flow chart in a simple and comprehensive way. He also briefed about the Timelines in A&A process. In the next part of his presentation, with a nicely prepared

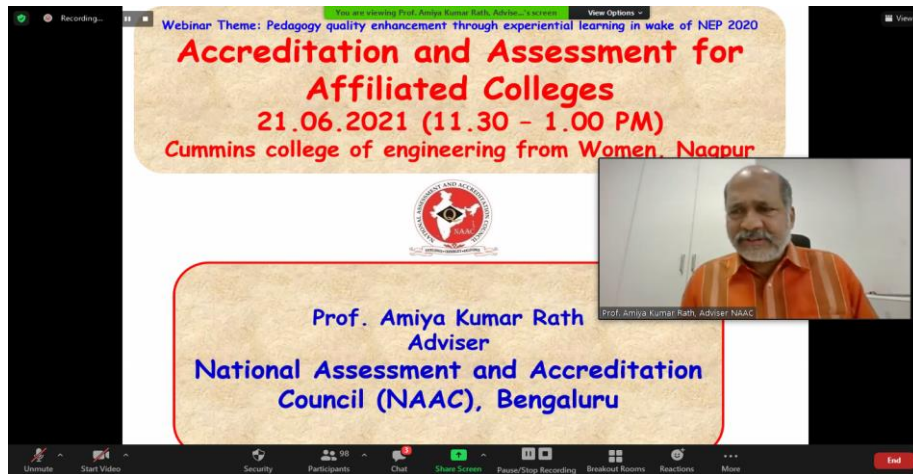
matrix, he informed the participants about the distribution of weightage across the key indicators. He also put some light on qualitative and quantitative aspects which are considered during A&A Process. He also informed the participants about the revised Accreditation Framework which includes System Generated Score (SGS) with combination of online evaluation and peer judgment and introduction of third party validation, Data Validation and Verification of Data (DVV).

The detailed presentation by Mr. Rath was informative and includes all the information which is for A&A process. He also briefed about the templates and information which need to be filled for process. He strictly instructed that we must not make any changes in templates available on the website and only provide and fill the required information in the existing templates. Once we are done with uploading of all the information in the available templates, and when the template is complete, it facilitates in easy DVV.

He spoke about curricular aspects which are having relevance with Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course outcomes (CO). He mentioned that curriculum should be designed in such a manner that it should be helpful to achieve POs, PSOs and COs. Here, he presented a few examples about curriculum development and how it would be relevant to POs, PSOs and COs. He mentioned that those institutes which are affiliated to Universities play a little role in curriculum development but they can conduct several Value Added Program, STTP, Workshop, Seminars, and Guest Lecture etc to achieve this. In NAAC Accreditation Process, weightage is given to such bridge courses which are conducted by the institute on their own. Curriculum Enrichment could enhance the employability of the graduates. He also mentioned that the institute should collect feedback from its stakeholders time to time. These feedback forms should be available on institute's website.

He then presented about use of Blooms Taxonomy in framing COs by giving some examples. He informed about how Bloom's Taxonomy is used for framing COs and basic to higher order thinking skills and put some light on revision in Blooms Taxonomy. Mr. Rath also spoke about the focus and benefits of Outcome Based Education and ways and means to achieve it. Here, he spoke about what are the expectations from the students under OBE and how OBE will make the graduates industry ready. With the help of an attractive flow chart, Mr. Rath provided information about the key constituents of OBE and briefed about how the long term and short term objectives are interrelated and complimentary. He talk about the student centric approach and said that the COs should be student-focused and not professor focused. Mr. Rath urged participants to adopt innovating teaching techniques and mentioned a few techniques like use of multimedia, case studies, role playing, seminars, projects, brainstorming

sessions which could be helpful for explaining things in better ways.



Mr. Rath, in his presentation touched all the possible aspects which could be helpful for the participants, not only for A&A process but also for OBE and better teaching learning. He also throws some light on theory of Multiple Intelligence and the implication of the theory for the faculties. He also spoke about the Blueprint of teaching learning process and enlightened the participants about the inputs needs to be given from faculties and institutes and the expected output from the students.

He focused on importance of research, innovations and extensions for the institute and how it contributes not only for better grades but also for personal growth of students and faculties. He also mentioned about the essential infrastructure and learning resources that each institute must possess to ensure quality education and create better teaching – learning environment. The session by Mr. Rath was not limited upto A&A process but he also spoke about preparation before, during and after A&A process.

Mr. Rath session was enlightening for all the participants and provided valuable inputs for NAAC A&A Process. He also satisfied the queries of the participant at the end of the session.