



## YEARLY STATUS REPORT - 2020-2021

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	MKSSS'S CUMMINS COLLEGE OF ENGINEERING FOR WOMEN, NAGPUR
• Name of the Head of the institution	DR. BHARATBHUSHAN JOSHI
• Designation	PRINCIPAL
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	9657667030
• Mobile No:	9423055160
• Registered e-mail	office@cumminscollege.edu.in
• Alternate e-mail	principal@cumminscollege.edu.in
• Address	Mouje Sukali (Gupchup), Hingna, Nagpur
• City/Town	Nagpur
• State/UT	Maharashtra
• Pin Code	441110
<b>2.Institutional status</b>	
• Type of Institution	Women
• Location	Rural
• Financial Status	Self-financing

• Name of the Affiliating University	Rashtrasant Tukdoji Maharaj Nagpur University				
• Name of the IQAC Coordinator	Dr. Sanjivani Shastri				
• Phone No.	9657667030				
• Alternate phone No.	9423055160				
• Mobile	9850385463				
• IQAC e-mail address	sanjivani.shastri@cumminscollege. edu.in				
• Alternate e-mail address	office@cumminscollege.edu.in				
<b>3. Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="https://cumminscollege.edu.in/NAAC-SSR.php">https://cumminscollege.edu.in/NAAC-SSR.php</a>				
<b>4. Whether Academic Calendar prepared during the year?</b>	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://cumminscollege.edu.in/academic-calender.php">https://cumminscollege.edu.in/academic-calender.php</a>				
<b>5. Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B++	2.76	2018-2023	02/11/2018	01/11/2023
<b>6. Date of Establishment of IQAC</b>			27/10/2017		
<b>7. Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Institutional 1	workshop	NAAC	2021	30000	
<b>8. Whether composition of IQAC as per latest NAAC guidelines</b>			Yes		
• Upload latest notification of formation of IQAC			<a href="#">View File</a>		

<b>9.No. of IQAC meetings held during the year</b>	<b>01</b>
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	<b>Yes</b>
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	<a href="#">View File</a>
<b>10.Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>	<b>30000</b>
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>	
1) Identifying need of communication skills for faculty and arranging training program	
2) Identifying need of skills on use of MS Excel and conduct of training for faculty	
3) Motivate faculty and students to take up Test Cases from Industry in the form of their projects/ internship	
4) Initiated activities to motivate faculty and students to visit Technical Library.	
<b>12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year</b>	
Plan of Action	Achievements/Outcomes
Moderation of Question papers as per the blooms technology	Standardization of test question papers
Improvement in Sessional exam conducted on exam portal of the college	Students have to study hard to get marks
Set up a monitoring system for conduction of classes	Ensuring of hundred percent syllabus
Conduct quizzes during the online class	Improvement in attention of students in online classes

<b>13. Whether the AQAR was placed before statutory body?</b>	<b>No</b>				
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>					
<table border="1"> <thead> <tr> <th>Name</th> <th>Date of meeting(s)</th> </tr> </thead> <tbody> <tr> <td><b>Nil</b></td> <td><b>Nil</b></td> </tr> </tbody> </table>		Name	Date of meeting(s)	<b>Nil</b>	<b>Nil</b>
Name	Date of meeting(s)				
<b>Nil</b>	<b>Nil</b>				
<b>14. Whether institutional data submitted to AISHE</b>					
<table border="1"> <thead> <tr> <th>Year</th> <th>Date of Submission</th> </tr> </thead> <tbody> <tr> <td><b>2019-20</b></td> <td><b>15/01/2020</b></td> </tr> </tbody> </table>		Year	Date of Submission	<b>2019-20</b>	<b>15/01/2020</b>
Year	Date of Submission				
<b>2019-20</b>	<b>15/01/2020</b>				
<b>Extended Profile</b>					
<b>1. Programme</b>					
1.1 Number of courses offered by the institution across all programs during the year	<b>3</b>				
<table border="1"> <thead> <tr> <th>File Description</th> <th>Documents</th> </tr> </thead> <tbody> <tr> <td>Data Template</td> <td style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>		File Description	Documents	Data Template	<a href="#">View File</a>
File Description	Documents				
Data Template	<a href="#">View File</a>				
<b>2. Student</b>					
2.1 Number of students during the year	<b>416</b>				
<table border="1"> <thead> <tr> <th>File Description</th> <th>Documents</th> </tr> </thead> <tbody> <tr> <td>Data Template</td> <td style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>		File Description	Documents	Data Template	<a href="#">View File</a>
File Description	Documents				
Data Template	<a href="#">View File</a>				
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	<b>90</b>				
<table border="1"> <thead> <tr> <th>File Description</th> <th>Documents</th> </tr> </thead> <tbody> <tr> <td>Data Template</td> <td style="text-align: center;"><a href="#">View File</a></td> </tr> </tbody> </table>		File Description	Documents	Data Template	<a href="#">View File</a>
File Description	Documents				
Data Template	<a href="#">View File</a>				

2.3	102
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1	29
Number of full time teachers during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
3.2	36
Number of Sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	13
Total number of Classrooms and Seminar halls	
4.2	35554741
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	250
Total number of computers on campus for academic purposes	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Due to wake of Covid-19 at the start of the year 2020 and Government

of India declared nationwide lockdown, we shifted our classes from Offline to Online. The institute took immediate actions for effective curriculum delivery through online mode.

The Academic Calendar, Time Table, Roll List, LP/TP and other important documents were shared through G-suit group mail ids. The classes were conducted online by using 'Upgrad Platform' (as suggested by RTMNU) for the Odd semester and using Google Meet and using Smart classroom in the Even Semester. Practical were conducted online by using Virtual Labs. Teachers were instructed to incorporate formative testing by taking quiz or polls during the class. Practical submission was done through Google Classroom. The institute arranged several guest lectures on technical and non-technical topics, CRT and TCRT classes in online mode. The PTM was also organized online.

Orientation Sessions for the First year students and Direct Second year students and Skill Development sessions at the start of semesters were conducted online. The Induction Program 'Parigrah' and the 'Open-Up' session for the new entrants were also conducted online.

For proper monitoring Daily Reporting sheets were filled by all the faculties on daily basis by using Google Sheets.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

For the internal evaluation, the institute conducts two Sessional Exams, Internal Practical Exam, University Practical Exam, Seminar, Viva, Assignments and Project Viva.

The Sessional exams were also conducted online by using CCEW Exam Portal. Question Papers were of objective types and the types of questions were MCQs. Question papers were prepared according to Blooms Taxonomy. The Internal Practical Exams were conducted online through Google Meet. As per the guidance from RTMNU, the University Practical Exams were also conducted online, whereas, University Theory Exam was conducted through University Exam Portal. Assignment

submission was done by using Google Classroom. Project viva was also conducted through online mode. Subject wise quizzes were conducted by individual faculties through Google Forms. Projects review and evaluation were conducted online mode. Thesis submission was also done online.

The University Exams for failure students (old Backlog) were conducted at institute level as per University instructions and guidelines. This exam was also conducted online through Gmail and Google Classroom.

Like this, through the strong mechanism of Continuous Internal Evaluation (CIE), institute ensures that the performance of students is monitored regularly. The CIE policy provides a concrete base to take corrective measures and actions for improvement in performance of students.

File Description	Documents
Upload relevant supporting documents	<a href="#">View File</a>
Link for Additional information	Nil

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.**

**A. All of the above**

**Academic council/BoS of Affiliating University**  
**Setting of question papers for UG/PG programs**  
**Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**  
**Assessment /evaluation process of the affiliating University**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

**1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented****1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented**

3

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

**1.2.2 - Number of Add on /Certificate programs offered during the year****1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)**

5

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

**1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year**

42

**1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year**

42

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>



### 1.3 - Curriculum Enrichment

#### 1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The institute follows the curriculum framed by RTM Nagpur University and the syllabus of RTMNU includes subjects and topics relevant to Professional Ethics, Human Values, Environment and Sustainability. Indian Culture and Constitution (ICC) include topics on 'Professional Ethics' and 'Sustainable Development'. Professional ethics helps students to get acquainted with the industrial work culture and make them aware about the ethics and values that students must follow and practice at the work place. Students also learn about Environmental Awareness, Protection, Sustainable development and several issues related to environment in the subject 'Environment Studies (EVS)'.

Apart from this, the institute also organized several events, guest lectures, and plan visits to make students aware about the above mentioned issues. The institute conducts special lectures on 'Universal Human Values' during the Two week Orientation Program. The III Team (Industry Institute Interaction) and the Head of Task plans Industrial Visits to make students industry ready. Students not only learn about technical details but also about practices in industries.

The NSS Team of the institute organizes various activities, celebrates 'International Women's Day', Conducted Webinar on Green initiatives for Environmental Ecosystem, Awareness regarding Covid-19 and like. We also celebrate special days observed as different elements of Environment.

File Description	Documents
Any additional information	<a href="#">View File</a>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	<a href="#">View File</a>

#### 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

5

File Description	Documents
Any additional information	<a href="#">View File</a>
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View File</a>
MoU's with relevant organizations for these courses, if any	<a href="#">View File</a>
Number of courses that include experiential learning through project work/field work/internship (Data Template)	<a href="#">View File</a>

### 1.3.3 - Number of students undertaking project work/field work/ internships

26

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

## 1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders**  
**Students**  
**Teachers**  
**Employers**  
**Alumni**

**B. Any 3 of the above**

File Description	Documents
URL for stakeholder feedback report	No File Uploaded
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View File</a>
Any additional information(Upload)	<a href="#">View File</a>

**1.4.2 - Feedback process of the Institution may be classified as follows**

**B. Feedback collected, analyzed and action has been taken**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	Nil

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment Number Number of students admitted during the year

##### 2.1.1.1 - Number of sanctioned seats during the year

180

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)**

**2.1.2.1 - Number of actual students admitted from the reserved categories during the year**

86

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

As per AICTE guidelines we conduct 21 days orientation program for new entrants. The Allied Science department assesses the learning levels of the students during the orientation program . Also on the basis of Tests / assignments, response in class, laboratory-viva etc. to identify advanced learners and slow learners. The class average in the test marks forms the basis of deciding slow/ advance learner. Further, help of external agencies such as Newflex talent solution by Dr Kelkar and Manmth Deshpande the students are identified as slow and fast learner .

The faculties take efforts on slow learners and encourage the quick learners for advance learning. College prepares academic calendar in accordance with the university and strictly adheres to it. College takes efforts to impart quality education using various ICT tools for concept clearing and uses feedback mechanism to create conducive learning atmosphere. Remedial classes are arranged for slow learners and DSE students after regular college hours. Quick learners are encouraged to take MOOCs, take lead in the activities of Professional Bodies such as IETE, ISTE , IEEE and shoulder responsibilities in College level clubs. CRT and TCRT classes are conducted to enhance employability which has resulted in good placements.

File Description	Documents
Link for additional Information	Nil
Upload any additional information	<a href="#">View File</a>

### 2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
416	29

File Description	Documents
Any additional information	<a href="#">View File</a>

## 2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The Institution organizes various technical and non-technical events like Group discussion, Quiz competitions, seminars, Elocution competitions, Poster-making, Technical Workshop etc. that help students in carving their overall personality. To improve communication skills of students, Language laboratory has special software called Orel. This software has interactive learning modules with various situations for creating communication with each other. Bridge courses for Hands-on Training are organized apart from regular academics such as applications in CAD, Embedded systems; Web based solutions, Robotics etc. The tools like Mentimeter, Canvas, Google Classroom are also implemented in the institute. Participative learning, experiential learning and enhance problem solving skills of students. The institute has also implemented activity based learning even though the classes were online mode. Live demonstrations and videos are also shared to students during regular teaching. E-Learning resources like NPTEL are made available through NMIECT portal. Assignments are given to explore their self-study abilities and in the process, inculcate the habit of lifelong learning and problem solving habits. In final year projects students develop prototype solutions. To bridge the gap between the industry and institute we conduct skill development program at the start of each semester. This includes R programming, Matlab, Ansys, Java etc.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://drive.google.com/drive/folders/13IK4IxHH7fsgxyuDfkHKNo4ewS9NIkZ-">https://drive.google.com/drive/folders/13IK4IxHH7fsgxyuDfkHKNo4ewS9NIkZ-</a>

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

To ensure a healthy teaching learning process various ICT tools such as Desktop and laptops, LCD Projector, Digital cameras, Printer, Photocopier, tablets, Pen Drive, Scanners, Microphones, interactive white board are available in the institution. Every classroom is equipped with an LCD Projector, Computer, Microphone and speaker arrangements. The classes can be easily conducted on off-line, online or hybrid mode by use of ICT tools. PowerPoint Presentation by Projectors along with conventional black board teaching is adopted for effective communication of ideas. Board rooms, Seminar halls and labs also have desktop computers and projectors.

We take continuous efforts to enhance teaching-learning process and take initiative to use ICT Tools and E-resources, more emphasis on Activity Based Learning, organize guest lecturers from industry and academicians, special tutorials for weak students and direct second year students, forming TG group and regular counselling of students, etc. We encourage them to register for diploma and certificate programs from NPTEL and SWAYAM and for other such online learning resources. We conduct special classes for CRT/TCRT, Personality Development, Communication Skills Development and Foreign Language. We have a dedicated special slot as 'Student Hour' where students can learn and earn knowledge beyond syllabus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

### 2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )

#### 2.3.3.1 - Number of mentors

29

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
mentor/mentee ratio	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full time teachers against sanctioned posts during the year

29

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

### 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

#### 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

5

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	<a href="#">View File</a>

### 2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

#### 2.4.3.1 - Total experience of full-time teachers

7.4



File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

In the institute, Continuous Internal Evaluation (CIE) is done by conducting two internal exams - Sessional-I and Sessional-II as per the academic calendar. In addition, Assignments, Group Discussion, Surprise Test and Viva-voce during each practical turn are conducted. The marks / grades obtained by students in the CIE process comprises of 20 percent weightage for their university grading.. Internal assessment marks are awarded on the basis of performance of student in Sessional-I and Sessional-II, marks obtained in assignments, Viva, participation in different activities like competitions, workshops, seminars, industrial training/ internships, sports etc. The first Sessional exam is conducted on the 50 percent syllabus, while, the second Sessional exam is conducted on the remaining 50 percent syllabus. The institute also conducts Resessional Exam for the students who either scores less than 60 percent marks in any subject or are absent for the Sessional exam due to some genuine reasons. It is noteworthy that the institute strictly follows the academic calendar for conduction of Sessional, Re-sessional exams under any circumstances.. The institute followed Government University guidelines during lockdown, but academics was not hampered and institute conducted Online Sessional II exam through its exam portal

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://examsys.cumminscollege.edu.in/">https://examsys.cumminscollege.edu.in/</a>

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

Grievance redressal mechanism at institute level: The continuous evaluation of students is carried out by faculty in terms of theory, labs, mid-term test, assignments etc. The evaluation for each is



communicated to the individual student. Query, if any, by student is discussed at first level with the course teacher or with mentor/class-teacher and escalated to Academic coordinator if required. The issues are resolved before display of result. If students are facing any problem during the test, Exam coordinator solves it immediately.

During the academic year of 2020-21, the exams were conducted in online mode. Students facing various problems like 'server connection failed', 'paper automatically submitted before time', 'complete questions not being visible' etc. communicated the issue to the institution examination in-charge. The examination in-charge formally emailed the list of students facing the issue to university. The university scrutinized the authenticity of the issues faced by students and reverted the names of students allowed to give re-examination. The university published revised time tables of examinations for students and re-exams were conducted. This is the detailed grievance redressal mechanism adopted at the university level.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Course Outcomes are displayed on the Institution website course wise so that everyone will get the information about it. Course outcomes of the practical subjects are displayed on the Lab Notice boards which are communicated to the students during practical hours. Faculties give the brief explanation of Course along with the outcome and attainment process during the academic session along with regular class room teaching in the very first lecture. Students are made aware about the Outcome Based Education (OBE) regarding the Vision, Mission, Graduate Attributes, Program Outcomes and Course Outcome articulation. Every faculty emphasizes the learning (course) outcome after completion of every unit. CO's are mentioned in the exam papers of Sessional 1, Sessional 2 etc so that students get information. The CO statements are clearly mentioned in the syllabus at the start of any course. Every course coordinator collects course exit feedback for direct assessment of CO attainment. An excel sheet is prepared by every subject teacher where a mapping of CO with PO-

PSO is done by them for their subject. Regular IQAC meetings ensure that all faculties are fully aware about Outcome Based Education. Faculty members are motivated to undergo STTP and Training programs regarding Outcome Based Education.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	<a href="https://cumminscollege.edu.in/course_objects_and_outcomes_CE.php">https://cumminscollege.edu.in/course_objects_and_outcomes_CE.php</a>
Upload COs for all courses (exemplars from Glossary)	<a href="#">View File</a>

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

All the Course outcomes are circulated to students so that they are aware of it. For each Course, separate COs Sheet is prepared which consists of Blooms Taxonomy Level, PO mapped, and PSO mapped. CO attainment depends on the internal assessment through Sessional, Assignment, Practical's, Project work etc. The CO attainment chart is provided to each course teacher in which he/ she has to fill the cover sheet containing course details, questions CO codes etc. At the end of evaluation, the exam wise attainment sheet is to be filled by subject teacher which consists of marks obtained by students question wise, no. of students who got targeted marks, no of student who have solved / attempted the question, % of CO Attained, overall Level achieved etc. Exam wise CO Code average is calculated and mentioned in Separate sheet. All the internal assessments is carried out and average of CO calculated is put in Average sheet to get final Average CO Wise. Self-assessment is done by students through course-end survey, which is carried out by the course teacher at the end of class room teaching using questioner feedback form. Action is taken for particular CO if it is not attained .

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	Nil

### 2.6.3 - Pass percentage of Students during the year

#### 2.6.3.1 - Total number of final year students who passed the university examination during the year

102

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://cumminscollege.edu.in/downloads.php">https://cumminscollege.edu.in/downloads.php</a>

### 2.7 - Student Satisfaction Survey

#### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://cumminscollege.edu.in/feedback-page.php>

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Resource Mobilization for Research

##### 3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

##### 3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

00

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	No File Uploaded

##### 3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

**3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year**

00

File Description	Documents
List of research projects and funding details (Data Template)	No File Uploaded
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

**3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year****3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year**

13

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

**3.2 - Research Publications and Awards****3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year****3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year**

5

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

### 3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

#### 3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

3

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The institution has established NSS unit since 2012, which organizes various extension activities to address the societal issues and sensitizes our students towards them. Apart from NSS we also have various other forums such as NCC, Vigyan Bharati, Rotoract, IETE, ISTE to carry out extension activities and holistic development of our students. The kind of extension activities planned by our faculty and executed with the help of our students in the neighborhood community are Blood donation Camps, Tree plantation, Green Initiatives for Environmental Ecosystem, Collection of relief funds, survey for post covid preparedness, etc.

The details of these activities are enumerated below -

- The institution every year organizes Tree plantation. Tree plantation was conducted at Deonagar campus and at college campus. More than 20 plants were planted in the college campus with the motto 'Each One Plant One'.
- A webinar on "Green Initiatives for Environmental Ecosystem" was organized on 12th July 2020 by Ms. Jui Pandharipande, research scholar environmental science solid waste management, to sensitize students and faculty towards importance of our ecosystem. More than 500 participants enrolled for the session. This session has been a huge success under 'Go Green Initiative'.

- During the pandemic, Covid-19 relief work was organized in association with Rashtrasanth Tukdoji Maharaj Nagpur University. In response to the call for help from RTMNU NSS Unit, NSS Volunteers of CCoEW in the initial phase of COVID-19 lockdown worked as food packet suppliers in the city whenever needed. Public awareness through social media was done by the volunteers asking for maintaining social distancing, wearing masks, 2-gaj ki doori and regular sanitization.
- Conducted the survey for post covid preparedness in the villages namely Mandava, Pipaldhara, Sukali and Lakhampur in collaboration with Janakalyankari Samiti under the scheme of Unnat Bharat Abhiyan. 18 faculties from the institute participated in carrying out the survey.
- Blood donation drive was organized in association with Lokkalyan Samiti, Nagpur under the scheme of Unnat Bharat Abhiyan. 30 students and 16 faculties from the institute participated in the Blood donation drive.
- Online pledges were taken by faculty and students on Mazi Vasundhara and Jalashapath

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

#### 3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

00

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	No File Uploaded
e-copy of the award letters	No File Uploaded

**3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year**

**3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

6

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	<a href="#">View File</a>

**3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year**

**3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

760

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 3.4 - Collaboration



### 3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

22

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

#### 3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

5

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The College is spread over 21 acres of lush green campus. Total of 11 classrooms, 2 tutorial rooms, 24 laboratories, Mechanical workshop, central library, 1 Seminar hall, canteen facility and playgrounds are available on the campus. Some labs and all classrooms are provided with ICT tools as teaching aids. Each department has 8 laboratories which are equipped with state of the art equipment that is adequate enough to meet the requirement



specified by statutory body. Total 313 computers are available in the campus and are connected to internet through LAN. The institute has instant power back up for its IT infrastructure and Lab equipments in the form of UPS 14 Nos. (2-10 KVA) and 180 KVA Generator set. The institute has lift facility for physically disabled persons. The Institute has central Library, e-library and reading room facility. Resources like seminar halls are shared across departments whenever needed. Every department has computer laboratories for technical and academic activity.

During pandemic the practicals are conducted on online platform such as VLabs approved by AICTE. The management has enhanced online teaching facility by providing smart boards in class rooms. Exam portal is used to conduct online internal examination during academic year 2020-21.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://virtualtour.cumminscollege.edu.in/visitorlogin.php">https://virtualtour.cumminscollege.edu.in/visitorlogin.php</a>

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The institute has adequate space and facilities for sports, games and cultural activities which include 3 play grounds and huge open green campus for the Anannya cultural event. Other cultural activities are conducted in the seminar hall as per the number of students and availability of seminar hall. Institute has 2 playgrounds, located in A and B wing. These were created in year 2013-14. Wing A and B ground are each with area of (100 × 90) Sft. Wing A has volleyball court, whereas wing B ground is used for sports like kho-kho, kabaddi, Tugof-war etc. Wing B of the campus also has a room specifically assigned for the practice of indoor games including table-tennis, chess. The institute has fully equipped gymnasium located at the girl's hostel. The Gym has area of 31×20 sqft and has machines such as shoulder press, chest press, hip machine, high low pulley etc. International yoga week was celebrated through online mode from 13th -21st June 2020. 14 different asanas were taught by 8 trainers. Students, teaching and non-teaching staff were enthusiastically participated in the event. Event was conducted on virtual platform. Daily meditation sessions were conducted for the students every morning for 10 minutes.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.flickr.com/photos/cummins-college-of-engg-women/albums/72157680593424913">https://www.flickr.com/photos/cummins-college-of-engg-women/albums/72157680593424913</a>

#### 4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

13

##### 4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

12

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://drive.google.com/file/d/197_3lpyOLzC9cM8qAz4p2aAfSTqwItgf/view?usp=sharing">https://drive.google.com/file/d/197_3lpyOLzC9cM8qAz4p2aAfSTqwItgf/view?usp=sharing</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

##### 4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

287.175

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

### 4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Library is enriched with sufficient no. of books, e-books, journals, e-journals magazines etc. The Institute library has advisory committee with Principal as chairman and four faculties are members one from each department. Books and journals are procured by librarian on recommendation of the faculties and members after approval by the library advisory committee. In addition, some specialized books are available in the departmental library. College library is using automated SLIM21 version 3.7.0 software with latest version 2020 for issuing and keeping the records of books and journals. The students are free to access books from the book-racks and chosen books are issued to them using the barcode system on books and student id. The appropriate initiative is taken by library committee to render it user friendly. Library extends following facilities - Users are reminded for renewal and over dues. Students can access university question papers and publications. NPTEL Videos and e-journals made available on 10 PCs. e-journals made accessible outside the college campus through J-Gate facility. College library is providing Web OPAC software in a campus to check the availability and for reserving the books.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="http://www.jgateplus.com/search">http://www.jgateplus.com/search</a>

### 4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

C. Any 2 of the above

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

### 4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

#### 4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

1.926

File Description	Documents
Any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

#### 4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)

##### 4.2.4.1 - Number of teachers and students using library per day over last one year

0.730

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of library usage by teachers and students	<a href="#">View File</a>

### 4.3 - IT Infrastructure

#### 4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Institution fulfills requirements of IT facilities for students and faculties.

Institute has total 313 computers, which are connected by LAN.

**Servers:** Institute has servers to different labs, viz.one, (G6) for DSP lab, second (G8) for CC lab and third (G9) for the library.

In 2020-21 institute added 3 laptops. Now there are 20 printers located in different labs, two barcode scanners for library, 20 projectors for seminar hall and classrooms, two tabs, 8 laptops, one router for CC lab which is in the main networking lab, 28 switches for LAN connection distribution to different labs

**Internet facility and Wi-Fi facility:** Institute has internet facility available with speed of 40 Mbps. Institute has provided

stronger facility for internet and computer network in campus by shifting the network on manageable switches from unmanageable devices for better connectivity and trouble shooting. Institute purchased one CISCO SG350 Layer 3 24- 4 port switch and 16 no of CISCO SG 350 Layer 2 24 port switches in the year 2020 during pandemic situation for online teaching. For the sake of network security antivirus software was renewed.

Software available: Various software packages and antivirus software like e-scan were procured and installed.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://docs.google.com/document/d/1DAHLIto4AvGMdELH2kYcP2kth2p63L5-/edit?usp=sharing&amp;ouid=115534111921424505588&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1DAHLIto4AvGMdELH2kYcP2kth2p63L5-/edit?usp=sharing&amp;ouid=115534111921424505588&amp;rtpof=true&amp;sd=true</a>

#### 4.3.2 - Number of Computers

313

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Student – computer ratio	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	<a href="#">View File</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

73.64437

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Audited statements of accounts.	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The physical and academic support facilities/ services are maintained through contracts placed by Central purchase committee of Samstha and are utilized by the institute as per policies decided by the LMC from time to time. Maintenance Contract for services such as transport, security, EPABX, CCTV, conservancy, cleaning of overhead tanks, garden, student mess etc. are reviewed and processed every year. Lab maintenance committee solve the technical problems of each lab, the complaints go to HoT (Head of the Task) of the team and then action taken by committee member.

Sport fields are utilized throughout the year. Sports HoT & team look for the playground maintenance and prepare students for various university level competitions.

At the end of every year library stock verification committee is manually verifies the library books.

The instruments and machines procured are utilized in the institute for the academic purpose. If the equipment malfunctions within the warranty period, it is sent to the vendor for repair or replacement as per warranty conditions. Dead stock verification for the instruments, furniture is done every year. Authorized agency is called for maintenance of equipment like Gen-Set.

IT equipment are maintained through respective contracts. The networking system management is done in-house.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

##### 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

284

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

#### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

##### 5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

291

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>



**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills**

**B. 3 of the above**

File Description	Documents
Link to institutional website	Nil
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

**5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

**40**

**5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

**40**

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees**

**C. Any 2 of the above**



File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year

30

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.2.2 - Number of students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

8

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

#### 5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government

**examinations) during the year**

4

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**5.3 - Student Participation and Activities****5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year****5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.**

00

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms )

There are various technical clubs run by the students .The members and volunteers run the events organized under these clubs.

Computer engineering department: TAC, Coders Club etc.

Mechanical Engineering department have Thermo aspirants club, Mechanical Engineering Girls Association (MEGA), ISHRAE Student Chapter, ASM

Electronic & Telecommunication department have Techno formers and

**Rise and Shine, ISTE, IEEE and ISTE**

Allied Science Department runs Talking Titans Language Club.

Technical committee in charge, student technical committee head with student coordinators organizes various technical workshops, competitions and seminars. Students hold different positions like Chair, vice-chair, secretary and treasurer. Various events are organized under the clubs.

Student representatives are on various committees:

Internal Quality Assurance Cell (IQAC)- Student Representative and Alumna Representative are members of IQAC. They provide the feedback on various student issues and contribute towards improvement in the institute's working.

Anti-ragging committee - One fresher student representative, some hostelite and some localites are members of the committee.

CDC- In College Development Committee, one Student representative and faculty are the members of the committee. All the members give their inputs and suggestions towards college development.

Internal complaint Committee - student representative of first year, third year and fourth year are the members of the committee.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### **5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)**

#### **5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year**

5

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	<a href="#">View File</a>

## 5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Institution is not registered for Alumni Association but all alumina contribute to its development by taking various sessions for the current students of the institution.

A series of proud talks were arranged for present students. In all the five such talks alumnae shared their experience in the industry where they are working and the help extended by the institute to them to reach this position.

They emphasize on the opportunities for girls in various sectors in the Mechanical and ETC branch. Also the planning and requirements for getting campus selection was discussed with the students by alumni. The topics covered during these talks were Electronic Vehicles, preparation for higher education and opportunities for mechanic and electronics and telecommunication.

Cummins Alumnae Day'20: It is celebrated on first Sunday of August every year. Platform is provided to Alumini to reconnect with Faculties and past & present students. Virtual recorded tour of the College campus was shown during online virtual meet. The Alumini shared their experiences during , pre& post covid, they also guided the students about industry requirements and asked faculties and students to prepare themselves according to industry needs and demands they shared during the meet.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

#### 5.4.2 - Alumni contribution during the year (INR in Lakhs) E. <1Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

- At the top of governance, Samstha has a Management committee to manage the various units of Samstha. The Managing Committee is formed by elected members from Industry, trustees and life workers and employees' representatives.
- The Institution has a Governing Council to advice and facilitate quality education as per the need of industry; academia and research community. Governing Council constitutes representatives of Management, University, DTE, industry and social field.
- The College Development Committee comprises Chairman, elected representative from teaching and non-teaching faculty, IQAC coordinator, experts from academia, industry, social service and Principal as a member secretary. CDC is held every 2 to 3 months to review progress of the college, give approval to various college activities, sanctions funds for procurement. Teaching and nonteaching representatives in CDC act as interface between staff and management, thus ensuring smooth functioning and timely implementation of policies.
- The institution has also constituted IQAC, which plays important role of catalyst in speeding up and proper execution of all sorts of activities to enhance quality of institute.
- Principal monitors and coordinates overall institute's operations to ensure smooth functioning of institute. In meeting with HOTs, Principal plans the activities to be

conducted. Principal appoints coordinators for each activity, who calls all committees required for that activity. The committees then plan and execute that activity in consultation with coordinator and Principal. Departmental heads interact with the faculty to convey the policies. HODs, class teacher and class representatives discuss various issues of curriculum, feedback and activities. The procurement requirements of material, equipment, and facility are put up to Purchase committee.

- Samstha's HRD committee takes care of human resources and welfare in the institute.

Perspective Plan The college is enumerated below -

- To achieve quality excellence in education and adopt best practices to facilitate self-learning.
- To expand its resource expertise in other areas of engineering, CCOEW plans to add more UG programs.
- To acquire the recognition for the institution as a BRAND for creating academically sound women professionals.
- To make contribution in R&D in engineering and technology.
- To develop conducive environment to produce entrepreneurs.
- To interact with the industries, acquire Government and Industrial LIVE projects.

Participation of Teachers is always part of decision making process at every level through committees like CDC, Grievance Cell, recruitment, Anti ragging and IQAC. The faculty member takes active participation in all discussions and provides suggestions and views. These inputs are important in final decisions. For example, all HODs and subject expert participate in recruitment of a new teaching faculty.

File Description	Documents
Paste link for additional information	<a href="https://cumminscollege.edu.in/mandatory-disclosure.php">https://cumminscollege.edu.in/mandatory-disclosure.php</a>
Upload any additional information	<a href="#">View File</a>

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.



1. Institute has adopted new policy of decentralization through HoT system instead of HoD. All the tasks in the academics were assigned a head known as HoT (Head of the Task). Various tasks identified are as Dean academics HoT Academics HoT Examination HoT Cultural Activity HoT Research Development HoT Industry Institute Interaction HoT Training Placement HoT purchase Committee ,etc. For example: Examination committee is formed by members from each department. This committee will ensure the proper conduction of examination. One faculty from each department will be HoT Examination and will look after the examination related activities of the department. He will coordinate for various tasks such as preparation of exam time table, execution of internal and external exam , evaluation of the answer sheets, display of the result in each department in stipulated time period , compilation of internal marks, uploading of marks on university exam portal etc. Every department will have one HOTA AC (Academic coordinator). The important work of HOTA AC is to ensure proper execution of academics in the department. Dean academics regularly monitor the academics in all the departments through weekly reports. There are regular meeting of all ACs , dean academics with principal sir. The activities to be conducted in the department are planned in the meeting. Academic coordinator then conveys the policies and decisions taken in a meeting to all faculties of the department.

We are presenting case study of one of the events here -

Institute hosted Innovex C2P 2021 event under IEEE Technology & engineering Management Society (TEMS) in association with IEEE Nagpur subsection. The event is for taking Concept to Product (C2P) and has been planned to encourage product development at college level leading to entrepreneurship. The event will involve team of students coming forward with concept of product development, Academic mentor teacher and guide of the project from college, Mentor from Industry for product design and Venture Capitalist (in the final stage) as an angel investor to market the product. This was managed by the SB coordinator and students executive members.

2. ANANNYA - Institution conducts annual cultural festival known as "Anannya". This is completely planned and executed by the students of the college. At the start of the session the institute conduct election in which GS (General Secretary), AGS (Assistant General Secretary) and also many committee members are elected. The committees are stage committee, event management committee, technical committee, sports committee etc. The complete planning of Anannya is done by GS, AGS and all committee members. Various

committees are formed in which student coordinators takes the responsibility for the execution of the tasks given. For example : Sport coordinator will plan and execute all the sports related competitions. Likewise all the events are planned and executed by the respective committee members. Faculties only do the supervision for smooth conduction of all events.

File Description	Documents
Paste link for additional information	<a href="https://cumminscollege.edu.in/mandatory-disclosure.php">https://cumminscollege.edu.in/mandatory-disclosure.php</a>
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Principal receives the input from all faculty members regarding development in the curriculum. Every faculty arranges the expert lecture of industry person for each subject in every month for covering topics beyond syllabus. To develop the problem solving attitude among students Activity based learning was implemented in which every student has assigned activity by every subject teacher. In pandemic situation Sessional was conducted through online mode on College Exam Portal. The result of which was conveyed to parents through PTM (Parents Teachers Meet). The institute is having incubation - the place where start-ups are born. Incubation centre is aimed at turning the students into young entrepreneurs. We support the ideas of the students and help them to nourish those ideas into plans. The institute an Entrepreneurship Development (ED) Cell as well as Industry Institute Interaction (III) cell. College deputed faculties to attend STTP, FDP, Workshops, Seminars, Training Programs to upgrade their knowledge. Institute gets CSR funds from Industry to establish various advance technology labs. Institute has signed MoU with TCS, Persistent many Nagpur based industries.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://cumminscollege.edu.in/downloads.php">https://cumminscollege.edu.in/downloads.php</a>
Upload any additional information	No File Uploaded



6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

At the top of the organizational structure there is a College Governing Council, College Development Committee (CDC). Strategic plan and strategic decisions of the institution are taken by this body. The College Development Committee comprises members appointed by Samstha, elected representative from teaching and non-teaching faculty, experts from academia, industry, social service, IQAC coordinator and Principal as a member secretary. LMC is held every 2 to 3 months to review progress of the college, give approval to various college activities, sanctions funds for procurement. Teaching and non-teaching representatives in CDC act as interface between staff and management, thus ensuring smooth functioning and timely implementation of policies. The Principal of the institution monitors day to day academics, financial and administrative activities. He implements Samstha's policies for the development of College. Principal also monitors admissions, teaching-learning activity, placement activities in coordination with Placement Cell, R&D and ED activities and discipline among students and staff. The college follows very a set selection procedure where applications are received through newspaper and web advertisements, two level of interviews before HRD appoints teaching faculty. At the next level in a hierarchy are the different committees, cells having representatives from each department.

File Description	Documents
Paste link for additional information	<a href="https://cumminscollege.edu.in/mandatory-disclosure.php">https://cumminscollege.edu.in/mandatory-disclosure.php</a>
Link to Organogram of the Institution webpage	<a href="https://cumminscollege.edu.in/downloads.php">https://cumminscollege.edu.in/downloads.php</a>
Upload any additional information	<a href="#">View File</a>

**6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination**

**B. Any 3 of the above**

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Existing welfare measures for teaching and non-teaching members is as below:-

1. Employees Provident Fund :As per PF rules Keeping in view the future safety of employees, the institute contributes specific amount towards PF of an employee as per PF rules.
2. Medi claim-Health Insurance: Samstha provides cashless Medi-claim for the employee and his/her family.
3. Gratuity is applicable to every staff after five year of permanent service.
4. Full paid Maternity Leave: Samstha provides 180 days full paid maternity leaves
5. Fee concession :Samstha provides fees concession to their wards of economically weaker staff .
6. Encashment of Earned leave: At the end of service of an employee, he/ she can en-cash his/ her earned leaves
7. Timely Credit of Salary to bank account of employee: Every month, the employee gets the salary on time irrespective of the scholarship received from Samaj-kalyan or not.
8. Reimbursement of Membership fees: There is a provision of reimbursement of membership fee of any professional body provided faculty publishes a research paper within a year in the concerned professional body.

9. Medical leave encashment Facility of balance medical leave to ad-hoc faculties is available end of every year .

10. Festival advance Non-teaching staff can avail interest free festival advance up-to Rs. 15,000

File Description	Documents
Paste link for additional information	<a href="https://cumminscollege.edu.in/about-legacy-of-mksss.php">https://cumminscollege.edu.in/about-legacy-of-mksss.php</a>
Upload any additional information	<a href="#">View File</a>

**6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year**

**6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**

4

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

**6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year**

**6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year**

12

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	<a href="#">View File</a>
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

### 6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

#### 6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

64

File Description	Documents
IQAC report summary	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

### 6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The Institution's performance appraisal system consists of 3 parts:

**Part I -Self-appraisal:** The faculty submits self-appraisal report at the end of every academic year.

The teaching faculty provides the following information.

1. Personal information

2. Academic record

3. Research experience and training

Part II - In part II the faculty submits following information with documentary evidence wherever required.

1. Teaching experience and performance

2. Innovations / contributions and special efforts in teaching

Part III-- In part III the reporting officer (HoD) and Principal gives independent marking on

following attributes.

1. Commitment towards teaching

2. Punctuality / Regularity

3. Teaching Methodology

4. Student's feedback from classroom

5. Handling of other than teaching assignments

6. Handling of coordination duties

7. Handling students problems / Counseling

8. Interpersonal relationships and behavior

9. Efforts taken for improvement of college

10. Research attitude

Performance appraisal for non-teaching staff has 3 parts:

Part I : In this part the employee provides basic personal information

Part II : In this the employee writes self-appraisal.

Part III : In this the appraisal is done by the Principal.

Based on the student feedback, the Principal gives suggestions for improvement in teaching, if required.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

#### 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

College budget includes recurring expenses such as salary, electricity and internet charges, equipment and facilities maintenance cost, stationary and other consumables etc. It includes planned expenses such as lab equipment purchases, furniture and other development expenses. Budget is scrutinized and approved by CDC and Management Committee. Accounts department and purchase department monitor whether expenses are not exceeding budget provision. There is a separate internal audit department of MKSSS, which monitors proper utilization of finances. Internal Audit was conducted by "K K MANAKESHWAR Co." external Audit was conducted by "G D Apte Co." for the financial year 2021-22.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

20.99783

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

#### 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Maharshi Karve Stree Shikshan Samstha is a charitable trust. It runs on the donations and fees received from the students. Samstha collects donations from various strata of the society and in turn provides funds to run the institutions. The Institution, MKSSS' Cummins College of Engineering for Women, Nagpur is approved by AICTE and DTE. It is affiliated to RTM Nagpur University. The Institute students are eligible to receive various State Government Scholarships such as Samaj Kalyan, OBC, ST and EBC. The fees received from students are approved by Fee Regulating Authority of government of Maharashtra. All the fees collected

from students are deposited with Samstha. Funds are released to Institute for day-to-day utilization as per demand. Samstha provides funds for conduct of day-to-day activities of college. Samstha also provides funds for branding, sponsoring of social and technical events suitable for progress of the institutions under the Samstha. As per Samstha's rules, the Samstha can arrange funds by means of overdrafts or cash credits, borrow money or raise loans by pledge or mortgage of the property of the Samstha or otherwise, for furtherance of any of the objects of the Samstha.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes



IQAC committee undertakes academic monitoring to ensure smooth conduct of classes. All departments have academic coordinators who takes the responsibly of conduct of classes in the respective department. Due to pandemic the classes were online and hence a Google spread sheet is shared with all the faculties by academic coordinators. The teachers need to fill the data in the sheet regularly. It includes date time and topics covered during the class, activities taken in the class and link of videos in support of teaching. The sheet is also shared with principal and Dean Academics who monitors the sheet and ensures the conduct of classes.

Institute has set up an internal IQAC committee who meets after each two months and many topics are discusses in it such as project work, internship, placements, semester results etc. Also the IQAC meetings action points are discussed and reviewed by the principal during such meetings and corrective actions are also suggested by him to all. All departmental coordinators give the planning of all the departmental activities during the semester. Reforms if required are also discussed and implemented if required with immediate effect.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The teaching and learning process is reviewed every week in the form of weekly report generated by each department and is submitted to principal through dean academics. The backlog lectures if any are reported in it for the week .The faculties are required to complete the backlog lectures in the same week or in the next week.

In the IQAC meeting the committee reviews the CO-PO-PSO mapping. The attainment levels of each and every subject are presented during the meeting. The members suggest the action to be taken for some subjects for which the attainment level is low as per the benchmark set up by the IQAC committee. The departmental exam coordinators have created a matrix for CO-PO-PSO mapping and the attainment is reviewed by the committee for PSO attainment for the department.

As a quality initiative, IQAC has started the moderation of question

papers of all subjects with the help of exam committee for each sessional exam conducted by the college. The blooms taxonomy and blooms level are being checked by the committee and corrections in particular question paper is communicated to the subject faculty and again ask the faculty to resubmit the paper for review.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

**C. Any 2 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	<a href="https://cumminscollege.edu.in/downloads.php">https://cumminscollege.edu.in/downloads.php</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## **INSTITUTIONAL VALUES AND BEST PRACTICES**

### **7.1 - Institutional Values and Social Responsibilities**

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Gender sensitivity is the way to treat equally for both girls and boys without making any differences between them in any field. Being only women education institute, we are committed to give safe &

secure campus for our students. The institute has a women grievance cell (Mahila Takrar Nivaran Sameeti) to sort out workplace related grievances such as Gender Bias, Ragging, Sexual Harassment related issues etc. The awareness sessions on respecting womanhood, work-life balance, safety at workplace etc is taken from time to time.

Counselling about gender sensitivity is also done by organizing guest lectures, seminars by eminent personalities. Dr. Priya Ramteke a permanent employee of institute is a qualified counsellor having PhD in Psychology. Needy students are counselled by her, also by teachers and even by Principal himself in some cases.

Common room is space provided to students to unwind, relax and also to hold meeting to plan their events, cultural activities etc. The common room is provided with Chairs, tables, bean bags, mirrors. Students decorate their common room for expressing their thoughts in various forms like drawing, painting, craft etc

We are committed towards arranging several programs addressing gender equity like Women's Day every year.

File Description	Documents
Annual gender sensitization action plan	<p><u>Institute has created an annual action plan as under towards Gender Sensitization. Sr. No. Type/Name of Program Tentative dates Remarks 1 Women's Day 8 March 2022 Under planning 2 Baya Karve Jayanti 5th June 2022 Various initiatives can be taken and addressed during celebration of these days to sensitize students/faculties about gender sensitization 3 Baya Karve Punyatithi 29 Nov 2022 4 Parvatibai Athawale Smruti Divas 10 Oct 2022</u></p>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<p><u>Institute has initiated various initiatives to address gender sensitivity and being only women education institute, safe &amp; secure campus for our students is the commitment from the institute. For safety of women in the campus: The institute has a very well-functioning women grievance cell (Mahila Takrar Nivaran Sameeti) to sort out workplace related grievances such as Gender Bias, Ragging, Sexual Harassment related issues etc. College campus is covered with 23 CCTV surveillance cameras, which continuously monitor the campus at various locations. The location of these CCTV cameras for vigilance of various activities in college are Main Entry Gate, Hostel entrance, College premises, Corridors, Principal's Office, Admin office and library etc. Prime attention for the security and safety of students is taken into consideration by keeping records of visitors in "visitor's entry book" which is placed at college Main Gate and Hostel. Also, visitors' pass is issued to every outsider by undergoing verification of purpose of meeting. College Entrance and Hostel is kept secured by sufficient security guards. The Security agency, Transport contractor, Conservancy contractor has to employ persons only after police verification. Counselling:</u></p>

Our College implements Teacher-Guardian scheme to counsel the students not only in academic but for their personal issues also. Counselling about gender sensitivity is also done by organizing guest lectures, seminars by eminent personalities. Dr. Priya Ramteke a permanent employee of institute is a qualified counsellor having MA in Psychology. Students needing special and personal attention are counselled by her, also by teachers and even by Principal himself in some cases. Common Room: Common room is space provided to students to unwind, relax and also to hold meeting to plan their events, cultural activities etc. Common Room: The common room is provided with Chairs, tables, bean bags, mirrors. Students decorate their common room for expressing their thoughts in various forms like drawing, painting, craft etc. Other relevant information: As it is rightly said that, "Healthy mind lies in Healthy body". Keeping this quote in view college provides a fully furnished, well equipped Physical fitness center at our hostel. This gymnasium is helpful to increase the confidence through fitness among students.

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment**

**D. Any 1 of the above**

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management**

**The campus is free from any hazardous waste being generated. The**

condemned batteries are disposed through authorized agencies. All precautions are taken to store few concentrated acids/ chemicals in a safe room.

A practice of safe dispose of sewage and appropriate reuse of treated sewage water is included in the campus which proves to be the obvious and eminent solution for waste water recycling. If waste water reuse is exercised properly; the benefits that can be reaped are far better than any associated costs. The campus is plastic free. We do not use any plastic use and throw material.

A modern waste water treatment plant of 12500 ltr/ hr capacity is commissioned in the campus to treat sewage from technical buildings and hostel. The STP generated water is reused for gardening purpose. E-waste like electric panels, PCBs, cells etc is collected at a single point collection center run by NSS unit and is then handed over to an NGO engaged e-waste collection. Some of the E-waste such as CD drives old obsolete electronics products are being used in Electronic Workshop laboratory for training, demonstrating and reusing components for developing mini projects in the lab.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	<a href="#">STP plant of capacity 12500 ltrs/hr is incorporated to treat sewage water in the</a>
Any other relevant information	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**      B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

**C. Any 2 of the above**

- 1. Restricted entry of automobiles**
- 2. Use of Bicycles/ Battery powered vehicles**
- 3. Pedestrian Friendly pathways**
- 4. Ban on use of Plastic**
- 5. Landscaping with trees and plants**

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

**7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution**

**7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities**

**C. Any 2 of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	No File Uploaded
Any other relevant information	<a href="#">View File</a>

**7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-**

**B. Any 3 of the above**



**reading software, mechanized equipment 5.**  
**Provision for enquiry and information :**  
**Human assistance, reader, scribe, soft copies of**  
**reading material, screen reading**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The institute takes continuous efforts to achieve social-economic, linguistic, regional and cultural harmony among the students. We are having students and staff from other than Maharashtra state. The major states from where our students come are Madhya Pradesh, Himachal Pradesh, Arunachal Pradesh, Uttar Pradesh, Bihar, Jharkhand, Chandigarh, and Chattisgarh. Also, our students belong to different socio-economic status and cultural backgrounds.

We have Common uniform for all the students and this is the first attempt when we maintain uniformity in the attire of all the students, no matter to which social class they belongs to. Our students celebrate all the festivals together, be it Holi or Diwali or Eid or Christmas, students celebrates all the festivals with equal enthusiasm.

We also conduct several cultural events through-out the year. Last year due to nationwide lockdown students were not available at the campus. Hence very limited activities were conducted in the above mentioned areas. A few notable activities include some literary work by our students. Our students write Blogs, Poems and articles in different regional languages which show linguistic diversities. Our management members and staff also take parts in the event and encourage students to bring social harmony in the institute.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

The parent organization of the institute is being founded by a legendary BharatRatna Maharshi Dhondo Keshav Karve in 1896 in Pune. Institute functions on the path laid by him and always sensitize all its employees and students towards their constitutional obligations, values, rights, duties and responsibilities as a citizen of the country.

Participation and organization in the events like Tree Plantation Drives, Short Essay Competition on World Earth Day, Webinar on Green Initiatives for Environmental Ecosystem, sensitization of students towards rural life and issues faced by rural population, NSS team of students participated in a survey and its analysis for 100 villages done by Laxmanrao Mankar Trust. The detailed report was presented to the trust with the help of Janakalyankari Samiti.

In Covid pandemic to sensitize themselves, a group of faculties from the institute made a detailed survey for the villages under its Unnat Bharat Abhiyan Scheme to understand covid related and post-pandemic problems faced by the villagers.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	No File Uploaded
Any other relevant information	<a href="#">View File</a>

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional** B. Any 3 of the above

**ethics programmes for students,  
teachers, administrators and other staff      4.  
Annual awareness programmes on Code of  
Conduct are organized**

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Due to lockdown most of the events were conducted through On-line mode. On 21st June 2020 "International Yoga day" was celebrated in our institute . Students and staff participated in the event. Students performed different types of Yoga & Surya Namaskar.

On 15th September 2020 our college organized the ENGINEER DAY. Institute organized Poster presentation, Quiz and Debate competitions. These competitions were conducted online on Google Meet platform. Videos on futuristic technologies were shown to students and asked them to solve the questions based on videos.

Our institute celebrated 8th March as International Women's day. The institute organized online webinar on social security, Gender Biasing, workplace Harassment, Dependency on family member were discussed. Three eminent professionals served as the panelists, CA. Nishtha Khandelwal Chawla, , Dr. Sangeeta Deshpande, Social Worker, Advocate Sushma Pophali working as Lawyer in Family Court, Nagpur was available to guide on Legal Issues. 40 Faculties joined through online platform & nearly 230+ students watched event on Facebook

Our institute is celebrates First Sunday which is international friendship day as an Alumnae Day. Students meet together preferably physically or virtually at their favorite spot in their city with their friends.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

### Best Practice 1

1. Title of the Practice: Financial assistance to students

2. Objectives of the Practice: • To motivate meritorious students for higher studies • To provide financial support to needy students • To motivate students for excellence in studies

3. The Context: The institute, with its vision to empower women is continuously working on making women education affordable to needy. Students admitted to the college are from varied background and from different regions. Financially weak students are not capable of paying tuition/ hostel fees and other fees. Hence such students are required to be supported financially for continuing their education. With this objective various scholarship programs have been initiated by college, parent organization and Cummins India foundation to support needy and deserving students viz Cummins nurturing brilliance scholarship, Persistent Scholarship, Paranjape scholarship and free-ship by MKSSS.

4. The Practice

I. Cummins Nurturing Brilliance Scholarship: This Scholarship from Cummins India Foundation is awarded to students from socially and economically disadvantaged background for pursuing diploma/ degree in Engineering or any other professional degree programs. The Scholarship includes the tuition fees, examination fees, expenses for stationery and books. Students are also gifted with a laptop. At the beginning of every academic year, students register online to

submit their academic progress and proof of family income for getting the financial support. For selecting needy and deserving students, aptitude test is conducted for all the aspiring eligible students. Students shortlisted in aptitude are interviewed by Expert committee from Cummins India limited to select the beneficiaries.

II. Paranjape Scholarship: Manav Seva foundation had donated to Samstha in the name of Mr. Paranjape to help needy and deserving students of the institute. At the beginning of every academic year, students apply for financial assistance at the institute along with their academic progress and proof of their family income. Based on the submitted documents, students are shortlisted for interview. A college committee conducts interviews to select needy and deserving students who are given financial assistance from the interest amount earned from the deposit of the donated amount by Manav Seva foundation.

III. Scholarship by Persistent foundation: "KIRAN": Girl's scholarship program First year engineering girls pursuing computer science/ IT with 70 marks in 10th and 12th standard and direct second year students with 60 in diploma having annual family income below 5 lakhs are eligible for this scholarship. Online registration and application starts in the month of August. Shortlisted candidates appear for first and second round of interview.

IV. Freeship by Samstha: Maharshi Karve Stree Shikshan Samstha provides a financial assistance to needy students by providing free-ship in their tuition fees/ hostel fees/ bus fees based on their academic achievements and financial conditions. V. Donations in kind by Philanthropists: Donations in kind received by samstha from time to time are also utilized for giving financial support to the most needy and deserving students of the institute.

V.LPF scholarship: Leela poonawala scholarship is given to students who belong to economically weak students. It is the scholarship provided on need base and first come first serve basis. Based on personal interview the students get scholarship for four years of graduation.

5. Evidence of Success: The students benefitted from various scholarships are doing well in their studies and completing their education with good academic record without any financial hurdle.

6. Problems Encountered and Resources Required: Large number of students requires financial assistance to continue higher education. But fund allocation is limited and hence institute is not able to



help all needy and deserving students.

## Best Practice 2

1. Title of the Practice: Exposure to students through projects under industry mentors

2. Objectives of the Practice: • To give exposure to students through projects • Industry-institute interaction • Make industry mentors available to the students

3. The Context: MKSSS' Cummins College of Engineering for Women, Nagpur is hosting Innovex C2P 2021 event under IEEE Technology & Engineering Management Society (TEMS) in association with IEEE Nagpur subsection. The event is for taking Concept to Product (C2P) and has been planned to encourage product development at college level leading to entrepreneurship. The event will involve team of students coming forward with concept of product development, Academic mentor teacher and guide of the project from college, Mentor from Industry for product design and Venture Capitalist (in the final stage) as an angel investor to market the product. Entries are invited from students through Google form - {<https://bit.ly/3fj1SBY> }, to choose their project in any of the following sectors -

- Emerging Technology - AI/ ML/ IOT/ 3DP/ Robotics/ AR/ VR/ AI Cosmology/ Quatum Computing
- Smart City - Apps for Citizen facilitation/ Security/ Feedback to NMC/ Safety, Security, Pandemic Management/ Recycling of building material/Jaljivan Mission/Green building.
- Health & Life Sciences - Devices for health care/ diagnosis/ Covid 19 control/ ICU equipments, Genetics, Bio-engineering, herbal processing and extraction etc.
- Agriculture - Crop management/ Fertilizer management/ Equipment for crop handling/ Equipment for crop processing at farm/ Equipment for harvesting/ Water management
- Lab2Land - Experimentation set up/ Tools for activity-based learning for college/ schools' usage.
- Societal Usage - Apps, equipment's, instruments for giving solutions to day-to-day problems of general public, senior citizens, women, children/Domestic waste management.

4. The Practice I. The IEEE Engineering Management Society (EMS) was founded in 1951, becoming the Technology Management Council (TMC) in 2007. In 2015 it transitioned to the Technology and Engineering Management Society. IEEE TEMS Chair was introduced at IEEE Nagpur Subsection during slate formation for 2021. TEMS primarily works to foster active knowledge transfer between the academic and practicing communities with focus on Moving Product/Services from Idea to Market, Developing from Engineer to Leader and Integrating Technology for Capability and Productivity while Identifying and Implementing Successful Projects, and Systems. The event of Innovex C2P 2021 is planned to be held from July onwards as a TEMS activity. This event is not a Hackathon. Rather it is ED promotional program involving inculcation of leadership qualities for product design and marketing.

The event will be held in three stages - Ideation; Product Development and Marketing. The first is the ideation stage to identify good C2P ideas. The presentations of ideas by students will be held on 30th & 31st July 2021 in sector wise breakout sessions. Each group shall present their idea in 5 minutes and mentors shall guide them about the product design flow for 15 minutes. The second stage will be prototyping and product development which will be of 4 to 5 months duration. The mentors will be associated with the student's group throughout the product development stage. The third stage will be Product marketing event to be held in December 2021, where Angel Investors will evaluate the product potential for large scale manufacturing and marketing.

IEEE student members shall register by paying fees of Rs. 100/- per students and Non-IEEE member student shall pay Rs.200/- per head. Academic mentor and industry mentors do not have to pay any fees. Students may bring their own Industry mentor or shall be nominated by event organizers. The academic mentors shall be compulsorily from the same college the student/s belongs to. Exciting cash prizes can be won by students presenting best C2P ideas. IEEE Student branch are advised to conduct ideation competition at their institution level to select best C2P ideas from their college.

#### 1. Evidence of Success

The institute got a good response for this competition in terms of entries. It was categorised into 5 different categories viz



1. Societal use
2. EmergingTechnology
3. Smart City
4. Health and Life Sciences
- 5.Agriculture And Lab to Land/Industry Applications

In total 70 to 75 students in 25 groups took part in the challengeand tried to give best solutions from their side to the problem statements.

Industrymentors were allottedto each group which was found a boost to the research for these students and every mentor guidedthe students by engaging their precious time in discussion with them in frequent meetings and sessions arrange

#### 6. Problems encountered and resources required:

The ongoing pandemic was a bigchallengein organising theevent . Because all the students, academic and industry mentors were physically unable to meet and interact with each other. The online meetings wa s the only solution. But the institute was ableto manage these challenges even in a pandemicand overcome them byallowing frequent visits to industries andcollege facilities forthe students.

The coordinating persons encountered certainissues like losingthe students in the middle of the challengedue to their mindset of fear about completingthe task. The industry mentors and coordinators with the help of academic mentors overcame this by counselling them and making them ready again to participate.

File Description	Documents
Best practices in the Institutional web site	No File Uploaded
Any other relevant information	<a href="#">View File</a>

### 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Maharshi Karve Stree Shikshan Samstha's (MKSSS) Cummins college of Engineering for women, Nagpur is working towards empowerment of women professionals who will be academically and technically sound along with strong ethics. Institute's distinctiveness is elaborated as follows -

- The management members of Institute are from Industry who have dedicated themselves to social cause.
- Strong legacy of educating women from 125 Years.
- Association with a multi-national corporate house like Cummins India Ltd.
- Cummins College gets technical and financial support from Cummins India Ltd.
  - Cummins College is the only women's Engineering College having Mechanical engineering branch. We are the only one college in Vidarbha having Tata Cummins 6 cylinders Gen-set engine for practical.
- Institute provides Scholarships to needy and deserving students through various scholarships such as :

Cummins Nurturing Brilliance scholarship by Cummins India Foundation  
- Total 21 students with scholarship amount Rupees 1313500

Leela Poonawala Scholarship-Total 32 students with scholarship amount Rupees 1525000

Kiran Scholarship by Persistent Limited - Total 4 students with scholarship amount Rupees 160000

MKSSS scholarships from Samstha - Total 226 students with scholarship amount Rupees 2403315

Paranjape scholarship - Total 10 students with scholarship amount Rupees 102959

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Due to wake of Covid-19 at the start of the year 2020 and Government of India declared nationwide lockdown, we shifted our classes from Offline to Online. The institute took immediate actions for effective curriculum delivery through online mode.

The Academic Calendar, Time Table, Roll List, LP/TP and other important documents were shared through G-suit group mail ids. The classes were conducted online by using 'Upgrad Platform' (as suggested by RTMNU) for the Odd semester and using Google Meet and using Smart classroom in the Even Semester. Practical were conducted online by using Virtual Labs. Teachers were instructed to incorporate formative testing by taking quiz or polls during the class. Practical submission was done through Google Classroom. The institute arranged several guest lectures on technical and non-technical topics, CRT and TCRT classes in online mode. The PTM was also organized online.

Orientation Sessions for the First year students and Direct Second year students and Skill Development sessions at the start of semesters were conducted online. The Induction Program 'Parigrah' and the 'Open-Up' session for the new entrants were also conducted online.

For proper monitoring Daily Reporting sheets were filled by all the faculties on daily basis by using Google Sheets.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

For the internal evaluation, the institute conducts two Sessional Exams, Internal Practical Exam, University Practical Exam,

Seminar, Viva, Assignments and Project Viva.

The Sessional exams were also conducted online by using CCEW Exam Portal. Question Papers were of objective types and the types of questions were MCQs. Question papers were prepared according to Blooms Taxonomy. The Internal Practical Exams were conducted online through Google Meet. As per the guidance from RTMNU, the University Practical Exams were also conducted online, whereas, University Theory Exam was conducted through University Exam Portal. Assignment submission was done by using Google Classroom. Project viva was also conducted through online mode. Subject wise quizzes were conducted by individual faculties through Google Forms. Projects review and evaluation were conducted online mode. Thesis submission was also done online.

The University Exams for failure students (old Backlog) were conducted at institute level as per University instructions and guidelines. This exam was also conducted online through Gmail and Google Classroom.

Like this, through the strong mechanism of Continuous Internal Evaluation (CIE), institute ensures that the performance of students is monitored regularly. The CIE policy provides a concrete base to take corrective measures and actions for improvement in performance of students.

File Description	Documents
Upload relevant supporting documents	<a href="#">View File</a>
Link for Additional information	Nil

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

**A. All of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

### 1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

#### 1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

3

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Add on /Certificate programs offered during the year

#### 1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

5

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

### 1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

42

#### 1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

42	
File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The institute follows the curriculum framed by RTM Nagpur University and the syllabus of RTMNU includes subjects and topics relevant to Professional Ethics, Human Values, Environment and Sustainability. Indian Culture and Constitution (ICC) include topics on 'Professional Ethics' and 'Sustainable Development'. Professional ethics helps students to get acquainted with the industrial work culture and make them aware about the ethics and values that students must follow and practice at the work place. Students also learn about Environmental Awareness, Protection, Sustainable development and several issues related to environment in the subject 'Environment Studies (EVS)'.

Apart from this, the institute also organized several events, guest lectures, and plan visits to make students aware about the above mentioned issues. The institute conducts special lectures on 'Universal Human Values' during the Two week Orientation Program. The III Team (Industry Institute Interaction) and the Head of Task plans Industrial Visits to make students industry ready. Students not only learn about technical details but also about practices in industries.

The NSS Team of the institute organizes various activities, celebrates 'International Women's Day', Conducted Webinar on Green initiatives for Environmental Ecosystem, Awareness regarding Covid-19 and like. We also celebrate special days observed as different elements of Environment.

File Description	Documents
Any additional information	<a href="#">View File</a>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	<a href="#">View File</a>

### 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

5

File Description	Documents
Any additional information	<a href="#">View File</a>
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View File</a>
MoU's with relevant organizations for these courses, if any	<a href="#">View File</a>
Number of courses that include experiential learning through project work/field work/internship (Data Template)	<a href="#">View File</a>

### 1.3.3 - Number of students undertaking project work/field work/ internships

26

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

### 1.4 - Feedback System



<b>1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni</b>	<b>B. Any 3 of the above</b>
File Description	Documents
URL for stakeholder feedback report	<b>No File Uploaded</b>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View File</a>
Any additional information(Upload)	<a href="#">View File</a>
<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>B. Feedback collected, analyzed and action has been taken</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<b>Nil</b>
<b>TEACHING-LEARNING AND EVALUATION</b>	
<b>2.1 - Student Enrollment and Profile</b>	
<b>2.1.1 - Enrolment Number Number of students admitted during the year</b>	
<b>2.1.1.1 - Number of sanctioned seats during the year</b>	
<b>180</b>	
File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>
<b>2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)</b>	

**2.1.2.1 - Number of actual students admitted from the reserved categories during the year**

86

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

**2.2 - Catering to Student Diversity**

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

As per AICTE guidelines we conduct 21 days orientation program for new entrants. The Allied Science department assesses the learning levels of the students during the orientation program . Also on the basis of Tests / assignments, response in class, laboratory-viva etc. to identify advanced learners and slow learners. The class average in the test marks forms the basis of deciding slow/ advance learner. Further, help of external agencies such as Newflex talent solution by Dr Kelkar and Manmth Deshpande the students are identified as slow and fast learner .

The faculties take efforts on slow learners and encourage the quick learners for advance learning. College prepares academic calendar in accordance with the university and strictly adheres to it. College takes efforts to impart quality education using various ICT tools for concept clearing and uses feedback mechanism to create conducive learning atmosphere. Remedial classes are arranged for slow learners and DSE students after regular college hours. Quick learners are encouraged to take MOOCs, take lead in the activities of Professional Bodies such as IETE, ISTE , IEEE and shoulder responsibilities in College level clubs. CRT and TCRT classes are conducted to enhance employability which has resulted in good placements.

File Description	Documents
Link for additional Information	Nil
Upload any additional information	<a href="#">View File</a>

**2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)**

Number of Students	Number of Teachers
416	29

File Description	Documents
Any additional information	<a href="#">View File</a>

### 2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The Institution organizes various technical and non-technical events like Group discussion, Quiz competitions, seminars, Elocution competitions, Poster-making, Technical Workshop etc. that help students in carving their overall personality. To improve communication skills of students, Language laboratory has special software called Orel. This software has interactive learning modules with various situations for creating communication with each other. Bridge courses for Hands-on Training are organized apart from regular academics such as applications in CAD, Embedded systems; Web based solutions, Robotics etc. The tools like Mentimeter, Canvas, Google Classroom are also implemented in the institute. Participative learning, experiential learning and enhance problem solving skills of students. The institute has also implemented activity based learning even though the classes were online mode. Live demonstrations and videos are also shared to students during regular teaching. E-Learning resources like NPTEL are made available through NMIECT portal. Assignments are given to explore their self-study abilities and in the process, inculcate the habit of lifelong learning and problem solving habits. In final year projects students develop prototype solutions. To bridge the gap between the industry and institute we conduct skill development program at the start of each semester. This includes R programming, Matlab, Ansys, Java etc.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://drive.google.com/drive/folders/13IK4IxHH7fsgxyuDfkHKNo4ewS9NIkZ-">https://drive.google.com/drive/folders/13IK4IxHH7fsgxyuDfkHKNo4ewS9NIkZ-</a>

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

To ensure a healthy teaching learning process various ICT tools such as Desktop and laptops, LCD Projector, Digital cameras, Printer, Photocopier, tablets, Pen Drive, Scanners, Microphones, interactive white board are available in the institution. Every classroom is equipped with an LCD Projector, Computer, Microphone and speaker arrangements. The classes can be easily conducted on off-line, online or hybrid mode by use of ICT tools. PowerPoint Presentation by Projectors along with conventional black board teaching is adopted for effective communication of ideas. Board rooms, Seminar halls and labs also have desktop computers and projectors.

We take continuous efforts to enhance teaching-learning process and take initiative to use ICT Tools and E-resources, more emphasis on Activity Based Learning, organize guest lecturers from industry and academicians, special tutorials for weak students and direct second year students, forming TG group and regular counselling of students, etc. We encourage them to register for diploma and certificate programs from NPTEL and SWAYAM and for other such online learning resources. We conduct special classes for CRT/TCRT, Personality Development, Communication Skills Development and Foreign Language. We have a dedicated special slot as 'Student Hour' where students can learn and earn knowledge beyond syllabus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest

completed academic year )

### 2.3.3.1 - Number of mentors

29

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
mentor/mentee ratio	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full time teachers against sanctioned posts during the year

29

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

### 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

#### 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

5

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	<a href="#">View File</a>

### 2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

#### 2.4.3.1 - Total experience of full-time teachers

7.4

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

### 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

In the institute, Continuous Internal Evaluation (CIE) is done by conducting two internal exams - Sessional-I and Sessional-II as per the academic calendar. In addition, Assignments, Group Discussion, Surprise Test and Viva-voce during each practical turn are conducted. The marks / grades obtained by students in the CIE process comprises of 20 percent weightage for their university grading.. Internal assessment marks are awarded on the basis of performance of student in Sessional-I and Sessional-II, marks obtained in assignments, Viva, participation in different activities like competitions, workshops, seminars, industrial training/ internships, sports etc. The first Sessional exam is conducted on the 50 percent syllabus, while, the second Sessional exam is conducted on the remaining 50 percent syllabus. The institute also conducts Resessional Exam for the students who either scores less than 60 percent marks in any subject or are absent for the Sessional exam due to some genuine reasons. It is noteworthy that the institute strictly follows the academic calendar for conduction of Sessional, Re-sessional exams under any circumstances.. The institute followed Government University guidelines during lockdown, but academics was not hampered and institute conducted Online Sessional II exam through its exam portal



File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://examsys.cumminscollege.edu.in/">https://examsys.cumminscollege.edu.in/</a>

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

Grievance redressal mechanism at institute level: The continuous evaluation of students is carried out by faculty in terms of theory, labs, mid-term test, assignments etc. The evaluation for each is communicated to the individual student. Query, if any, by student is discussed at first level with the course teacher or with mentor/ class-teacher and escalated to Academic coordinator if required. The issues are resolved before display of result. If students are facing any problem during the test, Exam coordinator solves it immediately.

During the academic year of 2020-21, the exams were conducted in online mode. Students facing various problems like 'server connection failed', 'paper automatically submitted before time', 'complete questions not being visible' etc. communicated the issue to the institution examination in-charge. The examination in-charge formally emailed the list of students facing the issue to university. The university scrutinized the authenticity of the issues faced by students and reverted the names of students allowed to give re-examination. The university published revised time tables of examinations for students and re-exams were conducted. This is the detailed grievance redressal mechanism adopted at the university level.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Course Outcomes are displayed on the Institution website course wise so that everyone will get the information about it. Course outcomes of the practical subjects are displayed on the Lab Notice boards which are communicated to the students during



practical hours. Faculties give the brief explanation of Course along with the outcome and attainment process during the academic session along with regular class room teaching in the very first lecture. Students are made aware about the Outcome Based Education(OBE) regarding the Vision, Mission, Graduate Attributes, Program Outcomes and Course Outcome articulation. Every faculty emphasizes the learning (course) outcome after completion of every unit. CO's are mentioned in the exam papers of Sessional 1, Sessional 2 etc so that students get information. The CO statements are clearly mentioned in the syllabus at the start of any course. Every course coordinator collects course exit feedback for direct assessment of CO attainment. An excel sheet is prepared by every subject teacher where a mapping of CO with PO-PSO is done by them for their subject. Regular IQAC meetings ensure that all faculties are fully aware about Outcome Based Education. Faculty members are motivated to undergo STTP and Training programs regarding Outcome Based Education.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	<a href="https://cumminscollege.edu.in/course_objects_and_outcomes_CE.php">https://cumminscollege.edu.in/course_objects_and_outcomes_CE.php</a>
Upload COs for all courses (exemplars from Glossary)	<a href="#">View File</a>

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

All the Course outcomes are circulated to students so that they are aware of it. For each Course, separate COs Sheet is prepared which consists of Blooms Taxonomy Level, PO mapped, and PSO mapped. CO attainment depends on the internal assessment through Sessional , Assignment, Practical's, Project work etc. The CO attainment chart is provided to each course teacher in which he/she has to fill the cover sheet containing course details, questions CO codes etc. At the end of evaluation, the exam wise attainment sheet is to be filled by subject teacher which consists of marks obtained by students question wise, no. of students who got targeted marks, no of student who have solved / attempted the question, % of CO Attained, overall Level achieved etc. Exam wise CO Code average is calculated and mentioned in Separate sheet. All the internal assessments is carried out and average of CO calculated is put in Average sheet to get final Average CO Wise. Self-assessment is done by students through

course-end survey, which is carried out by the course teacher at the end of class room teaching using questioner feedback form. Action is taken for particular CO if it is not attained .

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	Nil

### 2.6.3 - Pass percentage of Students during the year

#### 2.6.3.1 - Total number of final year students who passed the university examination during the year

102

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://cumminscollege.edu.in/downloads.php">https://cumminscollege.edu.in/downloads.php</a>

### 2.7 - Student Satisfaction Survey

#### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://cumminscollege.edu.in/feedback-page.php>

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Resource Mobilization for Research

#### 3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

##### 3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

00	
File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	No File Uploaded

### 3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

#### 3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

00	
File Description	Documents
List of research projects and funding details (Data Template)	No File Uploaded
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

### 3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

#### 3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

13	
File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

**3.2 - Research Publications and Awards****3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year****3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year**

5

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

**3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year****3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year**

3

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

**3.3 - Extension Activities****3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year**

The institution has established NSS unit since 2012, which organizes various extension activities to address the societal issues and sensitizes our students towards them. Apart from NSS we also have various other forums such as NCC, Vigyan Bharati, Rotoract, IETE, ISTE to carry out extension activities and holistic development of our students. The kind of extension activities planned by our faculty and executed with the help of our students in the neighborhood community are Blood donation Camps, Tree plantation, Green Initiatives for Environmental Ecosystem, Collection of relief funds, survey for post covid preparedness, etc.

The details of these activities are enumerated below -

- The institution every year organizes Tree plantation. Tree plantation was conducted at Deonagar campus and at college campus. More than 20 plants were planted in the college campus with the motto 'Each One Plant One'.
- A webinar on "Green Initiatives for Environmental Ecosystem" was organized on 12th July 2020 by Ms. Jui Pandharipande, research scholar environmental science solid waste management, to sensitize students and faculty towards importance of our ecosystem. More than 500 participants enrolled for the session. This session has been a huge success under 'Go Green Initiative'.
- During the pandemic, Covid-19 relief work was organized in association with Rashtrasanth Tukdoji Maharaj Nagpur University. In response to the call for help from RTMNU NSS Unit, NSS Volunteers of CCoEW in the initial phase of COVID-19 lockdown worked as food packet suppliers in the city whenever needed. Public awareness through social media was done by the volunteers asking for maintaining social distancing, wearing masks, 2-gaj ki doori and regular sanitization.
- Conducted the survey for post covid preparedness in the villages namely Mandava, Pipaldhara, Sukali and Lakhampur in collaboration with Janakalyankari Samiti under the scheme of Unnat Bharat Abhiyan. 18 faculties from the institute participated in carrying out the survey.
- Blood donation drive was organized in association with Lokkalyan Samiti, Nagpur under the scheme of Unnat Bharat Abhiyan. 30 students and 16 faculties from the institute participated in the Blood donation drive.
- Online pledges were taken by faculty and students on Mazi Vasundhara and Jalashapath

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

#### 3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

00

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	No File Uploaded
e-copy of the award letters	No File Uploaded

### 3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year

#### 3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

6

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	<a href="#">View File</a>

### 3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

### 3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

760

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 3.4 - Collaboration

#### 3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

22

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

##### 3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

5



File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The College is spread over 21 acres of lush green campus. Total of 11 classrooms, 2 tutorial rooms, 24 laboratories, Mechanical workshop, central library, 1 Seminar hall, canteen facility and playgrounds are available on the campus. Some labs and all classrooms are provided with ICT tools as teaching aids. Each department has 8 laboratories which are equipped with state of the art equipment that is adequate enough to meet the requirement specified by statutory body. Total 313 computers are available in the campus and are connected to internet through LAN. The institute has instant power back up for its IT infrastructure and Lab equipments in the form of UPS 14 Nos. (2-10 KVA) and 180 KVA Generator set. The institute has lift facility for physically disabled persons. The Institute has central Library, e-library and reading room facility. Resources like seminar halls are shared across departments whenever needed. Every department has computer laboratories for technical and academic activity.

During pandemic the practicals are conducted on online platform such as VLabs approved by AICTE. The management has enhanced online teaching facility by providing smart boards in class rooms. Exam portal is used to conduct online internal examination during academic year 2020-21.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://virtualtour.cumminscollege.edu.in/visitorlogin.php">https://virtualtour.cumminscollege.edu.in/visitorlogin.php</a>

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The institute has adequate space and facilities for sports, games and cultural activities which include 3 play grounds and huge open green campus for the Anannya cultural event. Other cultural activities are conducted in the seminar hall as per the number of students and availability of seminar hall. Institute has 2 playgrounds, located in A and B wing. These were created in year 2013-14. Wing A and B ground are each with area of (100 × 90) Sft. Wing A has volleyball court, whereas wing B ground is used for sports like kho-kho, kabaddi, Tugof-war etc. Wing B of the campus also has a room specifically assigned for the practice of indoor games including table-tennis, chess. The institute has fully equipped gymnasium located at the girl's hostel. The Gym has area of 31×20 sqft and has machines such as shoulder press, chest press, hip machine, high low pulley etc. International yoga week was celebrated through online mode from 13th -21st June 2020. 14 different asanas were taught by 8 trainers. Students, teaching and non-teaching staff were enthusiastically participated in the event. Event was conducted on virtual platform. Daily meditation sessions were conducted for the students every morning for 10 minutes.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.flickr.com/photos/cummins-college-of-engg-women/albums/72157680593424913">https://www.flickr.com/photos/cummins-college-of-engg-women/albums/72157680593424913</a>

**4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.**

13

**4.1.3.1 - Number of classrooms and seminar halls with ICT facilities**

12	
File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://drive.google.com/file/d/197_3lpyOLzC9cM8qAz4p2aAfSTqwItgf/view?usp=sharing">https://drive.google.com/file/d/197_3lpyOLzC9cM8qAz4p2aAfSTqwItgf/view?usp=sharing</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>
<b>4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)</b>	
<b>4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)</b>	
287.175	
File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>
<b>4.2 - Library as a Learning Resource</b>	
4.2.1 - Library is automated using Integrated Library Management System (ILMS)	
<p>Library is enriched with sufficient no. of books, e-books, journals, e-journals magazines etc. The Institute library has advisory committee with Principal as chairman and four faculties are members one from each department. Books and journals are procured by librarian on recommendation of the faculties and members after approval by the library advisory committee. In addition, some specialized books are available in the departmental library. College library is using automated SLIM21 version 3.7.0 software with latest version 2020 for issuing and keeping the records of books and journals. The students are free to access books from the book-racks and chosen books are issued</p>	

to them using the barcode system on books and student id. The appropriate initiative is taken by library committee to render it user friendly. Library extends following facilities - Users are reminded for renewal and over dues. Students can access university question papers and publications. NPTEL Videos and e-journals made available on 10 PCs. e-journals made accessible outside the college campus through J-Gate facility. College library is providing Web OPAC software in a campus to check the availability and for reserving the books.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="http://www.jgateplus.com/search">http://www.jgateplus.com/search</a>

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

**C. Any 2 of the above**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

**4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)**

**4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)**

**1.926**

File Description	Documents
Any additional information	<a href="#">View File</a>
Audited statements of accounts	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

#### 4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)

##### 4.2.4.1 - Number of teachers and students using library per day over last one year

0.730

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of library usage by teachers and students	<a href="#">View File</a>

#### 4.3 - IT Infrastructure

##### 4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Institution fulfills requirements of IT facilities for students and faculties.

Institute has total 313 computers, which are connected by LAN.

Servers: Institute has servers to different labs, viz.one, (G6) for DSP lab, second (G8) for CC lab and third (G9) for the library.

In 2020-21 institute added 3 laptops. Now there are 20 printers located in different labs, two barcode scanners for library, 20 projectors for seminar hall and classrooms, two tabs, 8 laptops, one router for CC lab which is in the main networking lab, 28 switches for LAN connection distribution to different labs

Internet facility and Wi-Fi facility: Institute has internet facility available with speed of 40 Mbps. Institute has provided stronger facility for internet and computer network in campus by shifting the network on manageable switches from unmanageable devices for better connectivity and trouble shooting. Institute purchased one CISCO SG350 Layer 3 24- 4 port switch and 16 no of

CISCO SG 350 Layer 2 24 port switches in the year 2020 during pandemic situation for online teaching. For the sake of network security antivirus software was renewed.

Software available: Various software packages and antivirus software like e-scan were procured and installed.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://docs.google.com/document/d/1DAHLIt_o4AvGMdELH2kYcP2kth2p63L5-/edit?usp=sharing&amp;ouid=115534111921424505588&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1DAHLIt_o4AvGMdELH2kYcP2kth2p63L5-/edit?usp=sharing&amp;ouid=115534111921424505588&amp;rtpof=true&amp;sd=true</a>

#### 4.3.2 - Number of Computers

313

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Student – computer ratio	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	<a href="#">View File</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

##### 4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

##### 4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

73.64437

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Audited statements of accounts.	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The physical and academic support facilities/ services are maintained through contracts placed by Central purchase committee of Samstha and are utilized by the institute as per policies decided by the LMC from time to time. Maintenance Contract for services such as transport, security, EPABX, CCTV, conservancy, cleaning of overhead tanks, garden, student mess etc. are reviewed and processed every year. Lab maintenance committee solve the technical problems of each lab, the complaints go to HoT (Head of the Task) of the team and then action taken by committee member.

Sport fields are utilized throughout the year. Sports HoT & team look for the playground maintenance and prepare students for various university level competitions.

At the end of every year library stock verification committee is manually verifies the library books.

The instruments and machines procured are utilized in the institute for the academic purpose. If the equipment malfunctions within the warranty period, it is sent to the vendor for repair or replacement as per warranty conditions. Dead stock verification for the instruments, furniture is done every year. Authorized agency is called for maintenance of equipment like Gen-Set.

IT equipment are maintained through respective contracts. The networking system management is done in-house.



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

##### 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

284

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

#### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

##### 5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

291

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

<b>5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills</b>	<b>B. 3 of the above</b>
<b>File Description</b>	<b>Documents</b>
Link to institutional website	<p style="text-align: center;"><b>Nil</b></p>
Any additional information	<p style="text-align: center;"><a href="#">View File</a></p>
Details of capability building and skills enhancement initiatives (Data Template)	<p style="text-align: center;"><a href="#">View File</a></p>
<b>5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<p style="text-align: center;"><b>40</b></p>	
<b>5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<p style="text-align: center;"><b>40</b></p>	
<b>File Description</b>	<b>Documents</b>
Any additional information	<p style="text-align: center;"><a href="#">View File</a></p>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<p style="text-align: center;"><a href="#">View File</a></p>
<b>5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees</b>	<b>C. Any 2 of the above</b>

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year

30

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.2.2 - Number of students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

8

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

#### 5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State

**government examinations) during the year**

4

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**5.3 - Student Participation and Activities****5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year****5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.**

00

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms )

There are various technical clubs run by the students .The members and volunteers run the events organized under these clubs.

Computer engineering department: TAC, Coders Club etc.

Mechanical Engineering department have Thermo aspirants club, Mechanical Engineering Girls Association (MEGA), ISHRAE Student Chapter, ASM

Electronic & Telecommunication department have Techno formers and

Rise and Shine, ISTE,IEEE and ISTE

Allied Science Department runs Talking Titans Language Club.

Technical committee in charge, student technical committee head with student coordinators organizes various technical workshops, competitions and seminars. Students hold different positions like Chair, vice-chair, secretary and treasurer. Various events are organized under the clubs.

Student representatives are on various committees:

Internal Quality Assurance Cell (IQAC)- Student Representative and Alumna Representative are members of IQAC. They provide the feedback on various student issues and contribute towards improvement in the institute's working.

Anti-ragging committee - One fresher student representative, some hostelite and some localites are members of the committee.

CDC- In College Development Committee, one Student representative and faculty are the members of the committee. All the members give their inputs and suggestions towards college development.

Internal complaint Committee - student representative of first year, third year and fourth year are the members of the committee.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)**

**5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year**

5

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	<a href="#">View File</a>

#### 5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Institution is not registered for Alumni Association but all alumina contribute to its development by taking various sessions for the current students of the institution.

A series of proud talks were arranged for present students. In all the five such talks alumnae shared their experience in the industry where they are working and the help extended by the institute to them to reach this position.

They emphasize on the opportunities for girls in various sectors in the Mechanical and ETC branch. Also the planning and requirements for getting campus selection was discussed with the students by alumni. The topics covered during these talks were Electronic Vehicles, preparation for higher education and opportunities for mechanic and electronics and telecommunication.

Cummins Alumnae Day'20: It is celebrated on first Sunday of August every year. Platform is provided to Alumini to reconnect with Faculties and past & present students. Virtual recorded tour of the College campus was shown during online virtual meet. The Alumini shared their experiences during , pre& post covid, they also guided the students about industry requirements and asked faculties and students to prepare themselves according to industry needs and demands they shared during the meet.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**5.4.2 - Alumni contribution during the year (INR in Lakhs)**

**E. <1Lakhs**

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

- At the top of governance, Samstha has a Management committee to manage the various units of Samstha. The Managing Committee is formed by elected members from Industry, trustees and life workers and employees' representatives.
- The Institution has a Governing Council to advice and facilitate quality education as per the need of industry; academia and research community. Governing Council constitutes representatives of Management, University, DTE, industry and social field.
- The College Development Committee comprises Chairman, elected representative from teaching and non-teaching faculty, IQAC coordinator, experts from academia, industry, social service and Principal as a member secretary. CDC is held every 2 to 3 months to review progress of the college, give approval to various college activities, sanctions funds for procurement. Teaching and nonteaching representatives in CDC act as interface between staff and management, thus ensuring smooth functioning and timely implementation of policies.
- The institution has also constituted IQAC, which plays important role of catalyst in speeding up and proper execution of all sorts of activities to enhance quality of institute.



- Principal monitors and coordinates overall institute's operations to ensure smooth functioning of institute. In meeting with HOTs, Principal plans the activities to be conducted. Principal appoints coordinators for each activity, who calls all committees required for that activity. The committees then plan and execute that activity in consultation with coordinator and Principal. Departmental heads interact with the faculty to convey the policies. HOTs, class teacher and class representatives discuss various issues of curriculum, feedback and activities. The procurement requirements of material, equipment, and facility are put up to Purchase committee.
- Samstha's HRD committee takes care of human resources and welfare in the institute.

Perspective Plan The college is enumerated below -

- To achieve quality excellence in education and adopt best practices to facilitate self-learning.
- To expand its resource expertise in other areas of engineering, CCOEW plans to add more UG programs.
- To acquire the recognition for the institution as a BRAND for creating academically sound women professionals.
- To make contribution in R&D in engineering and technology.
- To develop conducive environment to produce entrepreneurs.
- To interact with the industries, acquire Government and Industrial LIVE projects.

Participation of Teachers is always part of decision making process at every level through committees like CDC, Grievance Cell, recruitment, Anti ragging and IQAC. The faculty member takes active participation in all discussions and provides suggestions and views. These inputs are important in final decisions. For example, all HODs and subject expert participate in recruitment of a new teaching faculty.

File Description	Documents
Paste link for additional information	<a href="https://cumminscollege.edu.in/mandatory-disclosure.php">https://cumminscollege.edu.in/mandatory-disclosure.php</a>
Upload any additional information	<a href="#">View File</a>

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

1. Institute has adopted new policy of decentralization through HoT system instead of HoD. All the tasks in the academics were assigned a head known as HoT (Head of the Task). Various tasks identified are as Dean academics HoT Academics HoT Examination HoT Cultural Activity HoT Research Development HoT Industry Institute Interaction HoT Training Placement HoT purchase Committee ,etc. For example: Examination committee is formed by members from each department. This committee will ensure the proper conduction of examination. One faculty from each department will be HoT Examination and will look after the examination related activities of the department. He will coordinate for various tasks such as preparation of exam time table, execution of internal and external exam , evaluation of the answer sheets, display of the result in each department in stipulated time period , compilation of internal marks, uploading of marks on university exam portal etc. Every department will have one HOTA (Academic coordinator). The important work of HOTA AC is to ensure proper execution of academics in the department. Dean academics regularly monitor the academics in all the departments through weekly reports. There are regular meeting of all ACs , dean academics with principal sir. The activities to be conducted in the department are planned in the meeting. Academic coordinator then conveys the policies and decisions taken in a meeting to all faculties of the department.

We are presenting case study of one of the events here -

Institute hosted Innovex C2P 2021 event under IEEE Technology & engineering Management Society (TEMS) in association with IEEE Nagpur subsection. The event is for taking Concept to Product (C2P) and has been planned to encourage product development at college level leading to entrepreneurship. The event will involve team of students coming forward with concept of product development, Academic mentor teacher and guide of the project from college, Mentor from Industry for product design and Venture Capitalist (in the final stage) as an angel investor to market the product. This was managed by the SB coordinator and students executive members.

2. ANANNYA - Institution conducts annual cultural festival known as "Anannya". This is completely planned and executed by the students of the college. At the start of the session the institute conduct election in which GS (General Secretary), AGS

(Assistant General Secretary) and also many committee members are elected. The committees are stage committee, event management committee, technical committee, sports committee etc. The complete planning of Anannya is done by GS, AGS and all committee members. Various committees are formed in which student coordinators take the responsibility for the execution of the tasks given. For example : Sport coordinator will plan and execute all the sports related competitions. Likewise all the events are planned and executed by the respective committee members. Faculties only do the supervision for smooth conduction of all events.

File Description	Documents
Paste link for additional information	<a href="https://cumminscollege.edu.in/mandatory-disclosure.php">https://cumminscollege.edu.in/mandatory-disclosure.php</a>
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Principal receives the input from all faculty members regarding development in the curriculum. Every faculty arranges the expert lecture of industry person for each subject in every month for covering topics beyond syllabus. To develop the problem solving attitude among students Activity based learning was implemented in which every student has assigned activity by every subject teacher. In pandemic situation Sessional was conducted through online mode on College Exam Portal. The result of which was conveyed to parents through PTM (Parents Teachers Meet). The institute is having incubation - the place where start-ups are born. Incubation centre is aimed at turning the students into young entrepreneurs. We support the ideas of the students and help them to nourish those ideas into plans. The institute an Entrepreneurship Development (ED) Cell as well as Industry Institute Interaction (III) cell. College deputed faculties to attend STTP, FDP, Workshops, Seminars, Training Programs to upgrade their knowledge. Institute gets CSR funds from Industry to establish various advance technology labs. Institute has signed MoU with TCS, Persistent many Nagpur based industries.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://cumminscollege.edu.in/downloads.php">https://cumminscollege.edu.in/downloads.php</a>
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

At the top of the organizational structure there is a College Governing Council, College Development Committee (CDC). Strategic plan and strategic decisions of the institution are taken by this body. The College Development Committee comprises members appointed by Samstha, elected representative from teaching and non-teaching faculty, experts from academia, industry, social service, IQAC coordinator and Principal as a member secretary. LMC is held every 2 to 3 months to review progress of the college, give approval to various college activities, sanctions funds for procurement. Teaching and non-teaching representatives in CDC act as interface between staff and management, thus ensuring smooth functioning and timely implementation of policies. The Principal of the institution monitors day to day academics, financial and administrative activities. He implements Samstha's policies for the development of College. Principal also monitors admissions, teaching-learning activity, placement activities in coordination with Placement Cell, R&D and ED activities and discipline among students and staff. The college follows very a set selection procedure where applications are received through newspaper and web advertisements, two level of interviews before HRD appoints teaching faculty. At the next level in a hierarchy are the different committees, cells having representatives from each department.

File Description	Documents
Paste link for additional information	<a href="https://cumminscollege.edu.in/mandatory-disclosure.php">https://cumminscollege.edu.in/mandatory-disclosure.php</a>
Link to Organogram of the Institution webpage	<a href="https://cumminscollege.edu.in/downloads.php">https://cumminscollege.edu.in/downloads.php</a>
Upload any additional information	<a href="#">View File</a>

### 6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

B. Any 3 of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff

Existing welfare measures for teaching and non-teaching members is as below:-

1. Employees Provident Fund :As per PF rules Keeping in view the future safety of employees, the institute contributes specific amount towards PF of an employee as per PF rules.

2. Medi claim-Health Insurance: Samstha provides cashless Medi-claim for the employee and his/her family.

3. Gratuity is applicable to every staff after five year of permanent service.

4. Full paid Maternity Leave: Samstha provides 180 days full paid

## maternity leaves

5.Fee concession :Samstha provides fees concession to their wards of economically weaker staff .

6.Encashment of Earned leave: At the end of service of an employee, he/ she can en-cash his/ her earned leaves

7.Timely Credit of Salary to bank account of employee: Every month, the employee gets the salary on time irrespective of the scholarship received from Samaj-kalyan or not.

8.Reimbursement of Membership fees: There is a provision of reimbursement of membership fee of any professional body provided faculty publishes a research paper within a year in the concerned professional body.

9.Medical leave encashment Facility of balance medical leave to ad-hoc faculties is available end of every year .

10.Festival advance Non-teaching staff can avail interest free festival advance up-to Rs. 15,000

File Description	Documents
Paste link for additional information	<a href="https://cumminscollege.edu.in/about-legacy-of-mksss.php">https://cumminscollege.edu.in/about-legacy-of-mksss.php</a>
Upload any additional information	<a href="#">View File</a>

### 6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

#### 6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

4

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>



**6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year****6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year**

12

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	<a href="#">View File</a>
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

**6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)****6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

64



File Description	Documents
IQAC report summary	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

### 6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The Institution's performance appraisal system consists of 3 parts:

**Part I -Self-appraisal:** The faculty submits self-appraisal report at the end of every academic year.

The teaching faculty provides the following information.

1. Personal information
2. Academic record
3. Research experience and training

**Part II -** In part II the faculty submits following information with documentary evidence wherever required.

1. Teaching experience and performance
2. Innovations / contributions and special efforts in teaching

**Part III--** In part III the reporting officer (HoD) and Principal gives independent marking on

following attributes.

1. Commitment towards teaching

2.Punctuality / Regularity

3.Teaching Methodology

4.Student's feedback from classroom

5.Handling of other than teaching assignments

6.Handling of coordination duties

7.Handling students problems / Counseling

8.Interpersonal relationships and behavior

9.Efforts taken for improvement of college

10.Research attitude

Performance appraisal for non-teaching staff has 3 parts:

Part I : In this part the employee provides basic personal information

Part II : In this the employee writes self-appraisal.

Part III : In this the appraisal is done by the Principal.

Based on the student feedback, the Principal gives suggestions for improvement in teaching, if required.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

#### 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

College budget includes recurring expenses such as salary, electricity and internet charges, equipment and facilities maintenance cost, stationary and other consumables etc. It includes planned expenses such as lab equipment purchases, furniture and other development expenses. Budget is scrutinized and approved by CDC and Management Committee. Accounts department and purchase department monitor whether expenses are not exceeding budget provision. There is a separate internal audit department of MKSSS, which monitors proper utilization of finances. Internal Audit was conducted by "K K MANAKESHWAR Co." external Audit was conducted by "G D Apte Co." for the financial year 2021-22.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

##### 6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

20.99783

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

#### 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Maharshi Karve Stree Shikshan Samstha is a charitable trust. It runs on the donations and fees received from the students. Samstha collects donations from various strata of the society and in turn provides funds to run the institutions. The Institution, MKSSS' Cummins College of Engineering for Women, Nagpur is approved by AICTE and DTE. It is affiliated to RTM Nagpur University. The Institute students are eligible to receive

various State Government Scholarships such as Samaj Kalyan, OBC, ST and EBC. The fees received from students are approved by Fee Regulating Authority of government of Maharashtra. All the fees collected

from students are deposited with Samstha. Funds are released to Institute for day-to-day utilization as per demand. Samstha provides funds for conduct of day-to-day activities of college. Samstha also provides funds for branding, sponsoring of social and technical events suitable for progress of the institutions under the Samstha. As per Samstha's rules, the Samstha can arrange funds by means of overdrafts or cash credits, borrow money or raise loans by pledge or mortgage of the property of the Samstha or otherwise, for furtherance of any of the objects of the Samstha.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

IQAC committee undertakes academic monitoring to ensure smooth conduct of classes. All departments have academic coordinators who takes the responsibly of conduct of classes in the respective department. Due to pandemic the classes were online and hence a Google spread sheet is shared with all the faculties by academic coordinators. The teachers need to fill the data in the sheet regularly. It includes date time and topics covered during the class, activities taken in the class and link of videos in support of teaching. The sheet is also shared with principal and Dean Academics who monitors the sheet and ensures the conduct of classes.

Institute has set up an internal IQAC committee who meets after each two months and many topics are discusses in it such as project work, internship, placements, semester results etc. Also the IQAC meetings action points are discussed and reviewed by the principal during such meetings and corrective actions are also suggested by him to all. All departmental coordinators give the planning of all the departmental activities during the semester.

Reforms if required are also discussed and implemented if required with immediate effect.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The teaching and learning process is reviewed every week in the form of weekly report generated by each department and is submitted to principal through dean academics. The backlog lectures if any are reported in it for the week .The faculties are required to complete the backlog lectures in the same week or in the next week.

In the IQAC meeting the committee reviews the CO-PO-PSO mapping. The attainment levels of each and every subject are presented during the meeting. The members suggest the action to be taken for some subjects for which the attainment level is low as per the benchmark set up by the IQAC committee. The departmental exam coordinators have created a matrix for CO-PO-PSO mapping and the attainment is reviewed by the committee for PSO attainment for the department.

As a quality initiative, IQAC has started the moderation of question papers of all subjects with the help of exam committee for each sessional exam conducted by the college. The blooms taxonomy and blooms level are being checked by the committee and corrections in particular question paper is communicated to the subject faculty and again ask the faculty to resubmit the paper for review.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

<b>6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)</b>	<b>C. Any 2 of the above</b>
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File Description	Documents
Paste web link of Annual reports of Institution	<a href="https://cumminscollege.edu.in/downloads.php">https://cumminscollege.edu.in/downloads.php</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

#### 7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Gender sensitivity is the way to treat equally for both girls and boys without making any differences between them in any field. Being only women education institute, we are committed to give safe & secure campus for our students. The institute has a women grievance cell (Mahila Takrar Nivaran Sameeti) to sort out workplace related grievances such as Gender Bias, Ragging, Sexual Harassment related issues etc. The awareness sessions on respecting womanhood, work-life balance, safety at workplace etc is taken from time to time.

Counselling about gender sensitivity is also done by organizing guest lectures, seminars by eminent personalities. Dr. Priya Ramteke a permanent employee of institute is a qualified counsellor having PhD in Psychology. Needy students are counselled by her, also by teachers and even by Principal himself in some cases.

Common room is space provided to students to unwind, relax and also to hold meeting to plan their events, cultural activities etc. The common room is provided with Chairs, tables, bean bags, mirrors. Students decorate their common room for expressing their thoughts in various forms like drawing, painting, craft etc

We are committed towards arranging several programs addressing gender equity like Women's Day every year.

File Description	Documents
Annual gender sensitization action plan	<p><u>Institute has created an annual action plan as under towards Gender Sensitization. Sr. No. Type/Name of Program Tentative dates Remarks</u></p> <p>1 Women's Day 8 March 2022 Under planning</p> <p>2 Baya Karve Jayanti 5th June 2022 Various initiatives can be taken and addressed during celebration of these days to sensitize students/faculties about gender sensitization</p> <p>3 Baya Karve Punyatithi 29 Nov 2022</p> <p>4 Parvatibai Athawale Smruti Divas 10 Oct 2022</p>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<p><u>Institute has initiated various initiatives to address gender sensitivity and being only women education institute, safe &amp; secure campus for our students is the commitment from the institute. For safety of women in the campus: The institute has a very well-functioning women grievance cell (Mahila Takrar Nivaran Sameeti) to sort out workplace related grievances such as Gender Bias, Ragging, Sexual Harassment related issues etc. College campus is covered with 23 CCTV surveillance cameras, which continuously monitor the campus at various locations. The location of these CCTV cameras for vigilance of various activities in college are Main Entry Gate, Hostel entrance, College premises, Corridors, Principal's Office, Admin office and library etc. Prime attention for the security and safety of students is</u></p>



taken into consideration by keeping records of visitors in "visitor's entry book" which is placed at college Main Gate and Hostel. Also, visitors' pass is issued to every outsider by undergoing verification of purpose of meeting. College Entrance and Hostel is kept secured by sufficient security guards. The Security agency, Transport contractor, Conservancy contractor has to employ persons only after police verification. Counselling: Our College implements Teacher-Guardian scheme to counsel the students not only in academic but for their personal issues also. Counselling about gender sensitivity is also done by organizing guest lectures, seminars by eminent personalities. Dr. Priya Ramteke a permanent employee of institute is a qualified counsellor having MA in Psychology. Students needing special and personal attention are counselled by her, also by teachers and even by Principal himself in some cases. Common Room: Common room is space provided to students to unwind, relax and also to hold meeting to plan their events, cultural activities etc. Common Room: The common room is provided with Chairs, tables, bean bags, mirrors. Students decorate their common room for expressing their thoughts in various forms like drawing, painting, craft etc. Other relevant information: As it is rightly said that, "Healthy mind lies in Healthy body". Keeping this quote in view college provides a fully furnished, well equipped Physical fitness center at our hostel. This gymnasium is helpful to increase the confidence through fitness among students.

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/**

**D. Any 1 of the above**

power efficient equipment	
File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	No File Uploaded
<p>7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management</p> <p>The campus is free from any hazardous waste being generated. The condemned batteries are disposed through authorized agencies. All precautions are taken to store few concentrated acids/ chemicals in a safe room.</p> <p>A practice of safe dispose of sewage and appropriate reuse of treated sewage water is included in the campus which proves to be the obvious and eminent solution for waste water recycling. If waste water reuse is exercised properly; the benefits that can be reaped are far better than any associated costs. The campus is plastic free. We do not use any plastic use and throw material.</p> <p>A modern waste water treatment plant of 12500 ltr/ hr capacity is commissioned in the campus to treat sewage from technical buildings and hostel. The STP generated water is reused for gardening purpose. E-waste like electric panels, PCBs, cells etc is collected at a single point collection center run by NSS unit and is then handed over to an NGO engaged e-waste collection. Some of the E-waste such as CD drives old obsolete electronics products are being used in Electronic Workshop laboratory for training, demonstrating and reusing components for developing mini projects in the lab.</p>	
File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	<a href="#">STP plant of capacity 12500 ltrs/hr is incorporated to treat sewage water in the</a>
Any other relevant information	<a href="#">View File</a>

<b>7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus</b>	<b>B. Any 3 of the above</b>
<b>File Description</b>	<b>Documents</b>
Geo tagged photographs / videos of the facilities	<b>No File Uploaded</b>
Any other relevant information	<a href="#">View File</a>
<b>7.1.5 - Green campus initiatives include</b>	
<b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b> <ol style="list-style-type: none"> <li><b>1. Restricted entry of automobiles</b></li> <li><b>2. Use of Bicycles/ Battery powered vehicles</b></li> <li><b>3. Pedestrian Friendly pathways</b></li> <li><b>4. Ban on use of Plastic</b></li> <li><b>5. landscaping with trees and plants</b></li> </ol>	<b>C. Any 2 of the above</b>
<b>File Description</b>	<b>Documents</b>
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Any other relevant documents	<b>No File Uploaded</b>
<b>7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution</b>	
<b>7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities</b>	<b>C. Any 2 of the above</b>

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	No File Uploaded
Any other relevant information	<a href="#">View File</a>

**7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment**

**5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

**B. Any 3 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The institute takes continuous efforts to achieve social-economic, linguistic, regional and cultural harmony among the students. We are having students and staff from other than Maharashtra state. The major states from where our students come are Madhya Pradesh, Himachal Pradesh, Arunachal Pradesh, Uttar

Pradesh, Bihar, Jharkhand, Chandigarh, and Chattisgarh. Also, our students belong to different socio-economic status and cultural backgrounds.

We have Common uniform for all the students and this is the first attempt when we maintain uniformity in the attire of all the students, no matter to which social class they belongs to. Our students celebrate all the festivals together, be it Holi or Diwali or Eid or Christmas, students celebrates all the festivals with equal enthusiasm.

We also conduct several cultural events through-out the year. Last year due to nationwide lockdown students were not available at the campus. Hence very limited activities were conducted in the above mentioned areas. A few notable activities include some literary work by our students. Our students write Blogs, Poems and articles in different regional languages which show linguistic diversities. Our management members and staff also take parts in the event and encourage students to bring social harmony in the institute.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

The parent organization of the institute is being founded by a legendary BharatRatna Maharshi Dhondo Keshav Karve in 1896 in Pune. Institute functions on the path laid by him and always sensitize all its employees and students towards their constitutional obligations, values, rights, duties and responsibilities as a citizen of the country.

Participation and organization in the events like Tree Plantation Drives, Shot Essay Competition on World Earth Day, Webinar on Green Initiatives for Environmental Ecosystem, sensitization of students towards rural life and issues faced by rural population, NSS team of students participated in a survey and its analysis for 100 villages done by Laxmanrao Mankar Trust. The detailed report was presented to the trust with the help of Janakalyankari

Samiti.

In Covid pandemic to sensitize themselves, a group of faculties from the institute made a detailed survey for the villages under its Unnat Bharat Abhiyan Scheme to understand covid related and post-pandemic problems faced by the villagers.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	No File Uploaded
Any other relevant information	<a href="#">View File</a>

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized**

**B. Any 3 of the above**

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Due to lockdown most of the events were conducted through On-line mode. On 21st June 2020 "International Yoga day" was celebrated in our institute . Students and staff participated in the event.



Students performed different types of Yoga & Surya Namaskar.

On 15th September 2020 our college organized the ENGINEER DAY. Institute organized Poster presentation, Quiz and Debate competitions. These competitions were conducted online on Google Meet platform. Videos on futuristic technologies were shown to students and asked them to solve the questions based on videos.

Our institute celebrated 8th March as International Women's day. The institute organized online webinar on social security, Gender Biasing, workplace Harassment, Dependency on family member were discussed. Three eminent professionals served as the panelists, CA. Nishtha Khandelwal Chawla, , Dr. Sangeeta Deshpande, Social Worker, Advocate Sushma Pophali working as Lawyer in Family Court, Nagpur was available to guide on Legal Issues. 40 Faculties joined through online platform & nearly 230+ students watched event on Facebook

Our institute is celebrates First Sunday which is international friendship day as an Alumnae Day. Students meet together preferably physically or virtually at their favorite spot in their city with their friends.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

### Best Practice 1

1. Title of the Practice: Financial assistance to students

2. Objectives of the Practice: • To motivate meritorious students for higher studies • To provide financial support to needy



students • To motivate students for excellence in studies

3. The Context: The institute, with its vision to empower women is continuously working on making women education affordable to needy. Students admitted to the college are from varied background and from different regions. Financially weak students are not capable of paying tuition/ hostel fees and other fees. Hence such students are required to be supported financially for continuing their education. With this objective various scholarship programs have been initiated by college, parent organization and Cummins India foundation to support needy and deserving students viz Cummins nurturing brilliance scholarship, Persistent Scholarship, Paranjape scholarship and free-ship by MKSSS.

#### 4. The Practice

I. Cummins Nurturing Brilliance Scholarship: This Scholarship from Cummins India Foundation is awarded to students from socially and economically disadvantaged background for pursuing diploma/ degree in Engineering or any other professional degree programs. The Scholarship includes the tuition fees, examination fees, expenses for stationery and books. Students are also gifted with a laptop. At the beginning of every academic year, students register online to submit their academic progress and proof of family income for getting the financial support. For selecting needy and deserving students, aptitude test is conducted for all the aspiring eligible students. Students shortlisted in aptitude are interviewed by Expert committee from Cummins India limited to select the beneficiaries.

II. Paranjape Scholarship: Manav Seva foundation had donated to Samstha in the name of Mr. Paranjape to help needy and deserving students of the institute. At the beginning of every academic year, students apply for financial assistance at the institute along with their academic progress and proof of their family income. Based on the submitted documents, students are shortlisted for interview. A college committee conducts interviews to select needy and deserving students who are given financial assistance from the interest amount earned from the deposit of the donated amount by Manav Seva foundation.

III. Scholarship by Persistent foundation: "KIRAN": Girl's scholarship program First year engineering girls pursuing

computer science/ IT with 70 marks in 10th and 12th standard and direct second year students with 60 in diploma having annual family income below 5 lakhs are eligible for this scholarship. Online registration and application starts in the month of August. Shortlisted candidates appear for first and second round of interview.

IV. Freeship by Samstha: Maharshi Karve Stree Shikshan Samstha provides a financial assistance to needy students by providing free-ship in their tuition fees/ hostel fees/ bus fees based on their academic achievements and financial conditions. V. Donations in kind by Philanthropists: Donations in kind received by samstha from time to time are also utilized for giving financial support to the most needy and deserving students of the institute.

V.LPF scholarship: Leela poonawala scholarship is given to students who belong to economically weak students. It is the scholarship provided on need base and first come first serve basis. Based on personal interview the students get scholarship for four years of graduation.

5. Evidence of Success: The students benefitted from various scholarships are doing well in their studies and completing their education with good academic record without any financial hurdle.

6. Problems Encountered and Resources Required: Large number of students requires financial assistance to continue higher education. But fund allocation is limited and hence institute is not able to help all needy and deserving students.

## Best Practice 2

1. Title of the Practice: Exposure to students through projects under industry mentors

2. Objectives of the Practice: • To give exposure to students through projects • Industry-institute interaction • Make industry mentors available to the students

3. The Context: MKSSS' Cummins College of Engineering for Women, Nagpur is hosting Innovex C2P 2021 event under IEEE Technology & Engineering Management Society (TEMS) in association with IEEE

Nagpur subsection. The event is for taking Concept to Product (C2P) and has been planned to encourage product development at college level leading to entrepreneurship. The event will involve team of students coming forward with concept of product development, Academic mentor teacher and guide of the project from college, Mentor from Industry for product design and Venture Capitalist (in the final stage) as an angel investor to market the product. Entries are invited from students through Google form - {<https://bit.ly/3fjlSBY> }, to choose their project in any of the following sectors -

- Emerging Technology - AI/ ML/ IOT/ 3DP/ Robotics/ AR/ VR/ AI Cosmology/ Quatum Computing
- Smart City - Apps for Citizen facilitation/ Security/ Feedback to NMC/ Safety, Security, Pandemic Management/ Recycling of building material/Jaljivan Mission/Green building.
- Health & Life Sciences - Devices for health care/ diagnosis/ Covid 19 control/ ICU equipments, Genetics, Bio-engineering, herbal processing and extraction etc.
- Agriculture - Crop management/ Fertilizer management/ Equipment for crop handling/ Equipment for crop processing at farm/ Equipment for harvesting/ Water management
- Lab2Land - Experimentation set up/ Tools for activity-based learning for college/ schools' usage.
- Societal Usage - Apps, equipment's, instruments for giving solutions to day-to-day problems of general public, senior citizens, women, children/Domestic waste management.

4. The Practice I. The IEEE Engineering Management Society (EMS) was founded in 1951, becoming the Technology Management Council (TMC) in 2007. In 2015 it transitioned to the Technology and Engineering Management Society. IEEE TEMS Chair was introduced at IEEE Nagpur Subsection during slate formation for 2021. TEMS primarily works to foster active knowledge transfer between the academic and practicing communities with focus on Moving Product/Services from Idea to Market, Developing from Engineer to Leader and Integrating Technology for Capability and Productivity while Identifying and Implementing Successful Projects, and Systems. The event of Innovex C2P 2021 is planned to be held from July onwards as a TEMS activity. This event is not a Hackathon. Rather it is ED promotional program involving inculcation of leadership qualities for product design and marketing.

The event will be held in three stages - Ideation; Product Development and Marketing. The first is the ideation stage to identify good C2P ideas. The presentations of ideas by students will be held on 30th & 31st July 2021 in sector wise breakout sessions. Each group shall present their idea in 5 minutes and mentors shall guide them about the product design flow for 15 minutes. The second stage will be prototyping and product development which will be of 4 to 5 months duration. The mentors will be associated with the student's group throughout the product development stage. The third stage will be Product marketing event to be held in December 2021, where Angel Investors will evaluate the product potential for large scale manufacturing and marketing.

IEEE student members shall register by paying fees of Rs. 100/- per students and Non-IEEE member student shall pay Rs.200/- per head. Academic mentor and industry mentors do not have to pay any fees. Students may bring their own Industry mentor or shall be nominated by event organizers. The academic mentors shall be compulsorily from the same college the student/s belongs to. Exciting cash prizes can be won by students presenting best C2P ideas. IEEE Student branch are advised to conduct ideation competition at their institution level to select best C2P ideas from their college.

#### 1. Evidence of Success

The institute got a good response for this competition in terms of entries. It was categorised into 5 different categories viz

1. Societal use
2. Emerging Technology
3. Smart City
4. Health and Life Sciences
5. Agriculture And Lab to Land/Industry Applications

In total 70 to 75 students in 25 groups took part in the challenge and tried to give best solutions from their side to the problem statements.

Industry mentors were allotted to each group which was found a boost to the research for these students and every mentor guided the students by engaging their precious time in discussion with them in frequent meetings and sessions arranged.

#### 6. Problems encountered and resources required:

The ongoing pandemic was a big challenge in organising the event. Because all the students, academic and industry mentors were physically unable to meet and interact with each other. The online meetings were the only solution. But the institute was able to manage these challenges even in a pandemic and overcome them by allowing frequent visits to industries and college facilities for the students.

The coordinating persons encountered certain issues like losing the students in the middle of the challenge due to their mindset of fear about completing the task. The industry mentors and coordinators with the help of academic mentors overcame this by counselling them and making them ready again to participate.

File Description	Documents
Best practices in the Institutional web site	No File Uploaded
Any other relevant information	<a href="#">View File</a>

### 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Maharshi Karve Stree Shikshan Samstha's (MKSSS) Cummins college of Engineering for women, Nagpur is working towards empowerment of women professionals who will be academically and technically sound along with strong ethics. Institute's distinctiveness is elaborated as follows -

- The management members of Institute are from Industry who have dedicated themselves to social cause.
- Strong legacy of educating women from 125 Years.
- Association with a multi-national corporate house like Cummins India Ltd.



- Cummins College gets technical and financial support from Cummins India Ltd.
- Cummins College is the only women's Engineering College having Mechanical engineering branch. We are the only one college in Vidarbha having Tata Cummins 6 cylinders Gen-set engine for practical.

•Institute provides Scholarships to needy and deserving students through various scholarships such as :

Cummins Nurturing Brilliance scholarship by Cummins India Foundation - Total 21 students with scholarship amount Rupees 1313500

Leela Poonawala Scholarship-Total 32 students with scholarship amount Rupees 1525000

Kiran Scholarship by Persistent Limited - Total 4 students with scholarship amount Rupees 160000

MKSSS scholarships from Samstha - Total 226 students with scholarship amount Rupees 2403315

Paranjape scholarship - Total 10 students with scholarship amount Rupees 102959

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	<a href="#">View File</a>

### 7.3.2 - Plan of action for the next academic year

**Curricular Aspects:** To increase the awareness about the latest technologies in sensors, recent trends in research, our institute has decided to host International conference on sensors and transducers in the month of January 2023. Institution is going to tie up with technology company for imparting hands on training to its faculty and students in the field of emerging technologies such as AI/ ML and IOT.

**Teaching, Learning and Evaluation:** The institute is planning to do enhancement of department laboratories for Industry 4.0, in the field of robotics, IOT. Students will be encouraged to make

extensive use of Matlab and Labview lab for project work

For conduct of practical of various subjects it is decided to use Virtual lab extensively where students can perform various experiments which they would have done physically. Students are encouraged to create projects on new innovative topics through projects

**Research, Innovations and Extension:** Research and development cell requires momentous improvement. The faculties are encouraged to publish at least two research papers annually and students are also encouraged to present their project work at suitable conference or publish the work in reputed journal. It is planned to establish more collaborations with industry in order to increase interaction of the students with industries. It is obligatory for each department to work towards getting funded projects from various government agencies or organizations

**Infrastructure and Learning Resources:** To increase the library usage, it is decided that the activity of presentation on any topic from the Journal will be carried out department wise. Library department is planning to conduct various competitions regarding handwriting; crossword puzzles etc. Microwave lab is being set up for research in RF & Microwave.

**Student Support and Progression:** Institute has decided to arrange more skill development training programs for students and faculties so that they can keep themselves updated. To promote lifelong learning students should go for higher studies and hence institute has decided to take activities to provide trainings for competitive exam such as GATE, CAT, GRE etc. Institute is conducting classes for foreign language such as German, French etc.

- **Governance, Leadership and Management:** Institute is planning to conduct workshop on STEM to help the faculties to incorporate engineering design challenges across the science disciplines and to introduce participants to help to overcome challenges within the classroom, and informal learning environments.
- **Institutional Values and Best Practices:** Institute is planning to carry out more extension and outreach activities in the nearby villages. It is planned to extensive tree plantation in nearby village. Based on it



institute will plan various developmental technical activities in association with Unnat Bharat Abhiyan in the villages Pipaldara, Mandva, Salai Mendha, Lakhmapur and Nagazari.

- Institution has planned and working towards getting higher grade in second cycle of NAAC accreditation

NAAC