



## YEARLY STATUS REPORT - 2022-2023

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	Maharshi Karve Stree Shikshan Samstha's Cummins College of Engineering for Women
• Name of the Head of the institution	Dr. Madhuri Bhushan Khambete
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	02025311111
• Alternate phone No.	02025311162
• Mobile No. (Principal)	9225517613
• Registered e-mail ID (Principal)	principal@cumminscollege.in
• Address	Karvenagar
• City/Town	Pune
• State/UT	Maharashtra
• Pin Code	411052
<b>2.Institutional status</b>	
• Autonomous Status (Provide the date of conferment of Autonomy)	09/03/2016
• Type of Institution	Women
• Location	Urban

• Financial Status	<b>Self-financing</b>
• Name of the IQAC Co-ordinator/Director	<b>Prof. Hitendra Shankarrao Khairnar</b>
• Phone No.	<b>02025311162</b>
• Mobile No:	<b>9860090160</b>
• IQAC e-mail ID	<b>deanqa@cumminscollege.in</b>
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://www.cumminscollege.org/wp-content/uploads/2023/04/AQAR-2021-22.pdf">https://www.cumminscollege.org/wp-content/uploads/2023/04/AQAR-2021-22.pdf</a>
<b>4.Was the Academic Calendar prepared for that year?</b>	<b>Yes</b>
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://www.cumminscollege.org/wp-content/uploads/2023/12/Academic-Calendar-2022-23-SEm-1-2_June2022-R6.pdf">https://www.cumminscollege.org/wp-content/uploads/2023/12/Academic-Calendar-2022-23-SEm-1-2_June2022-R6.pdf</a>

### 5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>B</b>	<b>70-75</b>	<b>2002</b>	<b>15/05/2002</b>	<b>14/02/2007</b>
<b>Cycle 2</b>	<b>A</b>	<b>3.33</b>	<b>2012</b>	<b>15/09/2012</b>	<b>14/09/2017</b>
<b>Cycle 3</b>	<b>A</b>	<b>3.16</b>	<b>2017</b>	<b>30/10/2017</b>	<b>29/10/2022</b>
<b>Cycle 4</b>	<b>A</b>	<b>3.16</b>	<b>2023</b>	<b>02/06/2023</b>	<b>01/06/2028</b>

**6.Date of Establishment of IQAC** **26/09/2011**

**7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?**

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>

**8.Provide details regarding the composition of the IQAC:**

<ul style="list-style-type: none"> <li>Upload the latest notification regarding the composition of the IQAC by the HEI</li> </ul>	<a href="#">View File</a>
<b>9.No. of IQAC meetings held during the year</b>	<b>3</b>
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions taken 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>	No File Uploaded
<b>10.Did IQAC receive funding from any funding agency to support its activities during the year?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>	
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>	
By coordinating through the Dean, HOD's and faculties, IQAC guided for enhancing research work	
IQAC members contributed in SSR submission, DVV Clarification and NAAC Accreditation.	
With the efforts taken by IQAC the preincubation center EPIC (Entrepro Pre-Incubation Center) is established	
<b>12.Plan of action chalked out by IQAC at 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
To frame the curriculum as per NEP guidelines	With stakeholder inputs structure and syllabi contents are prepared as per NEP guidelines
<b>13.Was the AQAR placed before the statutory body?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	

Name of the statutory body	Date of meeting(s)
Nil	Nil
<b>14. Was the institutional data submitted to AISHE ?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>• Year</li> </ul>	
Year	Date of Submission
2021-22	23/12/2022
<b>15. Multidisciplinary / interdisciplinary</b>	
<p>The institute aims at the holistic development of students and has developed the program curriculum so as to satisfy the technical needs of our nation. The actions taken to comply with the NEP are as follows:</p> <ul style="list-style-type: none"> <li>• Implementation of Honor and Minor Graduate Degree Program.</li> <li>• Flexibility in the curriculum in the form of programme and open electives.</li> <li>• Considerable number of program electives are available for the students that help blur the rigid boundaries of curricula and create possibilities for lifelong learning A basket of open electives covering interdisciplinary and multidisciplinary courses along with core courses and program electives.</li> <li>• Inclusion of Soft Skills and Professional Ethics in the curriculum A Pedagogy Cell that emphasizes on communication, discussion, debate, research, and opportunities for cross-disciplinary and interdisciplinary thinking.</li> <li>• Inclusion of courses on Humanities and Performing arts.</li> <li>• Universal Human Values courses</li> <li>• Credit-based Projects with objective to cater service to the society</li> </ul>	
<b>16. Academic bank of credits (ABC):</b>	
<ul style="list-style-type: none"> <li>• Institute's has registered on National Academic Depository portal .</li> <li>• All students Academic Bank of Credits (ABC) ID is created.</li> <li>• Instutite has created awarness amongs the students regrading Academic Bank of Crdits.</li> </ul>	
<b>17. Skill development:</b>	

The institute imparts technical education to the students and laboratory sessions/ hands on sessions are an inherent part of the curriculum. These sessions contribute to the skill development of the students. Apart from these, various skill development workshops/ courses are conducted for the students to make them technically competent.

**18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)**

The curriculum covers Indian art and culture themes.The different forms of Indian Art like dance, music, drawing, Yoga covering aspects of the Indian culture are included in the curriculum as Audit Courses. Traditional and cultural values and morals are inculcated in the students through courses on Universal Human Values.

**19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**

The institute follows Outcome based education (OBE) for all the UG and PG programs. Every Program has defined "Program Specific Outcomes" in consistency with the generic outcomes of any engineering program indicating the graduate attributes (with reference to the NBA framework). The theory and laboratory courses have well-defined Course Objectives and Outcomes. The attainment of Outcomes is analyzed and areas of improvement are identified on a regular basis.

**20.Distance education/online education:**

Apart from classroom and laboratory teaching, faculty members contribute to online resources by uploading teaching material, lecture videos and demonstrations for students' reference. Learning Management Systems like Moodle, Google Classroom are extensively used by the faculty for the same. YouTube channels and equivalent methods are used for sharing the videos.

**Extended Profile**

**1.Programme**

1.1 8

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

## 2.Student

2.1 2710

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2 678

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.3 2668

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

## 3.Academic

3.1 379

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

3.2 164

Number of full-time teachers during the year:

## Extended Profile

<b>1.Programme</b>	
1.1	<b>8</b>
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>2.Student</b>	
2.1	<b>2710</b>
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>
2.2	<b>678</b>
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.3	<b>2668</b>
Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>3.Academic</b>	
3.1	<b>379</b>
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.2	<b>164</b>

Number of full-time teachers during the year:		
File Description	Documents	
Institutional Data in Prescribed Format	<a href="#">View File</a>	
3.3	152	
Number of sanctioned posts for the year:		
<b>4.Institution</b>		
4.1	79	
Number of seats earmarked for reserved categories as per GOI/State Government during the year:		
4.2	35	
Total number of Classrooms and Seminar halls		
4.3	1701	
Total number of computers on campus for academic purposes		
4.4	1664.14	
Total expenditure, excluding salary, during the year (INR in Lakhs):		

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

MKSSS's Cummins College of Engineering for Women is the first Women's Engineering College in India established in the year 1991. The College contributes towards enhancing the percentage of Women Engineers at the global level. The AICTE and UGC guidelines are followed to define the curriculum of all the programmes. Further, guidelines of global professional bodies like ACM, IEEE, ASME, ISA are considered. Looking at national needs and global trends, Honors and Minors B.Tech. courses such as Electric vehicle, Data Science, Full stack, Machine learning, Information Security



Management, Wireless Communication, VLSI Technology, Engineering Management, have been included in the curriculum. Feedback from Technical experts of Eaton, Emerson, CISCO, Boeing, Danfoss and others have been taken into consideration. The College invites stakeholders, industry experts, employers, academic experts and alumni in the Governing Body, Academic Council, IQAC and various BoS of the College. Service provider Companies located in and around Pune region such as Cummins India, Citi Bank, Tata Technologies, Forbes Marshall, Barclays, Mercedes Benz and others too have been involved in designing the BTech. curriculum. As per the requirements at the regional and the national level, courses having social relevance such as Human values, Renewable energy, Environmental studies are included as a part of the curriculum.

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

### 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

5

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### 1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

274

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

## 1.2 - Academic Flexibility

### 1.2.1 - Number of new courses introduced across all programmes offered during the year

40

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

7

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

## 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The Institute creates awareness in students regarding cross-

cutting issues by extending relevant courses in the curriculum. Importance of human values is emphasized through the courses- Universal Human Values-I and Universal Human Values-II. Courses on Professional Ethics and Etiquettes, Leadership & Personality Development and IPR are included in the curriculum encompassing ethical practices in the Engineering profession. Curriculum relevant educational activities are carried out adhering to Professional Ethics. Cummins College is an All Women Engineering College. To appreciate gender diversity and equality, the College provides bandwidth for the students to participate in inter and intra level College competitions. The College has formed Professional Society Chapters of Society for Women Engineers (SWE) and Association of Computing Machinery-W (ACM-W) that provide opportunities for networking with women engineers and conduct workshops, lectures relevant to the state-of-the art technology. Environmental and Sustainability issues are relevant to the Engineering curriculum. Thus, courses on Environment, Sustainability, Green Computing, Renewable Energy are introduced in the curriculum to highlight cross-cutting issues like Waste Management, Pollution, Smart city, Green Materials and bring about potential contribution in these areas as an Engineer. The College promotes National Service Scheme (NSS) activities related to Sustainability such as Tree Plantation, Water Conservation and Waste Management.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	No File Uploaded

### 1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

2

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.3.3 - Number of students enrolled in the courses under 1.3.2 above

830

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	No File Uploaded

### 1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1000

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	No File Uploaded

## 1.4 - Feedback System

**1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni** A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://www.cumminscollege.org/criterion-1-curricular-aspects-22-23/">https://www.cumminscollege.org/criterion-1-curricular-aspects-22-23/</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.4.2 - The feedback system of the Institution comprises the following** A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://www.cumminscollege.org/curriculum-feedback/">https://www.cumminscollege.org/curriculum-feedback/</a>
Any additional information	No File Uploaded

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment of Students

##### 2.1.1.1 - Number of students admitted (year-wise) during the year

632

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

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

200

File Description	Documents
Any additional information	No File Uploaded
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 students' learning levels and organises special programmes for both slow and advanced learners.

The institute motivates every student to explore and reach her potential and does not discriminate between slow and advanced learners on the basis of academic performance.

#### Slow learners

- Slow learners are identified by faculty through interactions in class /labs.

- Individual guidance is given by the mentors and course instructors.
- Students can work in the labs besides the regular schedule.
- Online resources were made available to the students.
- For students with weak communication skills: Institute has a "Garnishing talent program" in collaboration with the Confederation of Indian Industry (CII), EATON.

### Advanced learners

Advanced learners can learn beyond the curriculum through curricular and extracurricular activities.

- Assignments with challenging problem statements are given.
- Students are motivated to participate in various technical competitions such as Robocon, BAJA
- Students' achievements are published in the newsletter and magazine.
- Students with innovative ideas are encouraged to implement and assistance is given to file the patent.
- Students are encouraged to participate in conferences to publish their research with financial support.
- Students enroll in activities conducted by professional societies like IEEE, ISA, SAE etc.
- Institute felicitates academic and sports achievers and best outgoing students.
- The students are fully sponsored for pursuing an M.S. program at Purdue University, USA

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/06/2023	2655	164

File Description	Documents
Upload any additional information	No File Uploaded

## 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 institute's faculty members adopt different techniques to make the teaching-learning experience effective.

### 1. Participative Learning:

- Flipped Classroom - Resource material is shared with the students prior to the classroom session.
- Quiz-The students can self-assess what they know and what they need to know.
- Case study-based learning -Under this activity, students work in small groups. Cases under studies are explored.

### 2. Experiential learning:

- Internships and Projects
  - Internship facilitates students to explore the industry requirements, gain experience, and learn new skills which add value to them.
  - Project activity provides students enormous opportunities to learn and develop many technical as well as non-technical skills.
- Laboratory experiments/sessions
  - Laboratory sessions give opportunities to learn through experiments. In laboratory sessions students

explore and learn theoretical concepts.

- To improve the self-learning ability among the students, open-ended assignments are defined by the faculties.

- **Workshops for Students:**

- Institute organizes workshops for students to gain hands-on experience and to learn the latest technologies.

**3. Technical competitions participation:**

- The students are encouraged to participate in various technical competitions.

**4. Problem-based learning:**

- **Mini-projects and Final Year Project:** Students identify real life problem statements which can be solved by applying engineering knowledge.
- **Tutorials:** Students' learning is reinforced by tutorial sessions by solving conceptual problems.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

The following ICT-enabled tools/techniques are used for effective teaching, learning, and evaluation process

a) **Google Classroom:** The institute availed G Suite Enterprise for Education edition, which allowed recordings of online sessions taken by faculty to all the students.

b) **Moodle:** Institute conducted training for the faculty on Learning Management Systems using Moodle. This help to share teaching material as well as attempt Quiz, games, assignments, and mark attendance.

c) **Youtube channel:** Faculty record their videos using screen-cast tools. The recorded videos are shared with students.



d) Institute has a provision in the curriculum for students to enroll in MOOC courses conducted by NPTEL/ SWAYAM/ COURSERA.

e) Virtual Lab: Institute provides a facility for remote access to simulation-based Labs.

f) Institute provides digital content to the students through the digital library. It is available through remote login of Web-OPAC.

g) Institute has made the software available to the students for a better understanding of concepts. Such as MATLAB, Xilinx, NASM, Android, Java Eclipse, Python, Delta-V, SCADA, Solid works, Automation Studio, ANSYS etc.

h) Video clips and Animation: Some courses include complex concepts that are difficult to understand without visualization. Such visualization can be achieved by using multimedia tools like animation and video clips.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://docs.google.com/document/d/1z8cuScG6Z33MjgiICIAmJcNMnvYgWUrp/edit?usp=sharing&amp;oid=112214103147186822910&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1z8cuScG6Z33MjgiICIAmJcNMnvYgWUrp/edit?usp=sharing&amp;oid=112214103147186822910&amp;rtpof=true&amp;sd=true</a>
Upload any additional information	No File Uploaded

### 2.3.3 - Ratio of students to mentor for academic and other related issues

#### 2.3.3.1 - Number of mentors

135

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

### 2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

At the start of the academic year, the institute prepares the semester-wise academic calendar for all undergraduate and

postgraduate programs. It is approved by the Principal and released by the dean of academics. The academic calendar is displayed on the notice board as well as on our college website before the commencement of classes.

The academic calendar majorly consists, of dates of start/end of the semester, in-semester and end semester examinations, summer term, holidays, etc. The academic calendar comprises of detailed schedule in terms of week slots for the conduction and result declaration of in-semester examinations and end-semester examinations. Also provides information about the availability of students' answer sheets for semester Examinations. Timelines for other activities like industrial visits, mentor meetings, completion of term work and assessment work, feedback, and curricular and co-curricular activities are taken into consideration at the department level. In line with the academic calendar of the institute, every program schedules its faculty development programs, student workshops, and co-curricular and extracurricular activities in the department's academic calendar.

Every faculty member follows the academic calendar and planned accordingly their Teaching and Learning schedule. The teaching plan is prepared by every faculty of this institute and it is declared/share with the student every semester. The teaching plan comprises the information about lecture plan, teaching-learning methods, and mode of conduction of in-semester examinations such as assignments, quizzes, presentations, etc.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<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

164

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	No File Uploaded

**2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year**

60

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	No File Uploaded

**2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)**

2104.1

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	No File Uploaded

**2.5 - Evaluation Process and Reforms**

**2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year**

18

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

191

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

#### 1. Examination Procedure:

- Principal appoints course chairman and paper setter for every course.
- In Semester examination consists of two components viz. T1 of 25 marks and T2 of 25 marks and End-semester Examination (ESE) of 50 marks
- All the assessments are mapped to the course outcomes and Bloom Taxonomy levels.
- The faculty members evaluate the answer sheets of both ISE-T2 and ESE and discuss them with students.
- Absolute grading is done and grades are awarded as per UGC guidelines.
- During pandemic, online proctored examinations were conducted using the Ion Exam.

#### 2. Processes integrating IT:

- College has adopted the EMS module- Ion EMS examination Management System, Ion DVS for digital evaluation.

- Results are made available to the students on the Ion student App.
- IT integration features incorporated during a pandemic
  - Online proctored examinations were conducted using the Ion Exam module.
  - Question banks were submitted to the exam section, and question paper sets were auto-generated and assigned randomly to the students.

### 3. Continuous Internal Assessment System:

- In Semester examination consists of two components viz. T1 of 25 marks and T2 of 25 marks.
- T1 is conducted using various assessment modes such as assignments, viva-voce, puzzles, crosswords, seminars, model building, etc. T2 is conducted using paper pencil mode.
- The evaluated ISE answer sheets are discussed with the students to ensure transparency.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The institute has adopted Outcome Based Education and hence the curricula of all the programs are designed to attain Program Outcomes. The Program Outcomes are the qualities that must be imbibed in the graduates by the time of completion of their program. Each program also has Program Specific Outcomes, which cater to the program-specific competencies. PSOs are formulated by the faculty members' team and approved by the respective BoS.

Program Outcomes and Program Specific Outcomes are displayed on the institute website, at key locations in the institute, and in the departments.

Course outcomes are defined for each course in the curriculum by taking into account Program Outcomes and feedback from various stakeholders such as industry, alumni, and guidelines from

professional bodies such as AICTE, IEEE, ASME, SAE, etc. Course Outcomes are formulated using appropriate action verbs defined by revised Bloom's taxonomy. They are discussed with the students in the lecture, tutorial, and laboratory sessions by course instructors and course chairmen. Course instructors and mentors create awareness about the course outcomes amongst the students. The importance of attaining course outcomes is emphasized during interactions with the students.

Course outcomes for all the courses for all the programs are displayed on the college website.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Link for additional Information	Nil

## 2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

### CO Attainment:

A departmental committee consisting of HOD, senior faculty members, experts from academia and industry is constituted which reviews CO-PO and CO-PSO mapping.

### Attainment

### Tools Used

### Weightage

### Direct CO attainment

- Cumulative Internal Examination (CIE)
- Semester End Examinations (SEE)
- Continuous Assessment (CA)
- Practical and Oral Examinations

95%

Indirect CO attainment

End Course Survey

5%

Direct CO attainment:

Direct CO attainment for all courses is calculated for SEE and CIE using the 5 steps as shown in figure below.

Find

Find Co mapping of each question in each assessment tool

Group

Group the questions as per CO mapping

Apply

Apply the students performance threshold value

Compute

Compute percentage number of students above threshold for each CO

Compare

Compare the CO attainment with set attainment levels

Direct CO attainment levels

Attainment Level

Criterion

1

< 40% students

2

40% - 60% students

3

More than or equal to 60% students

Calculation PO and PSO attainment

Attainment

Tools

Weightage

Direct Attainment

CO attainment

80%

Indirect Attainment

Exit Survey

20%

Employers' survey

Alumnae survey

Co-curricular activities

Extra- curricular activities

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

### 2.6.3 - Pass Percentage of students

#### 2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

670



File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	<a href="http://www.cumminscollege.org/wp-content/uploads/2023/12/2.6.3.1-Annual-Report-2022-23.pdf">www.cumminscollege.org/wp-content/uploads/2023/12/2.6.3.1-Annual-Report-2022-23.pdf</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://www.cumminscollege.org/wp-content/uploads/2023/12/Student\\_satisfaction\\_survey\\_22\\_23.pdf](https://www.cumminscollege.org/wp-content/uploads/2023/12/Student_satisfaction_survey_22_23.pdf)

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

#### Research Facilities:

College laboratories are equipped with high end hardware/software facilities such as ansys , LabView ,Power Lab , 3D printers etc.

#### Policy for promotion of research:

The Institute has well defined research promotion policies are as follows:

- Incentives for SCI/SCOPUS Indexed Journal Publications .
  - If the paper is published in SCI / SCIE Indexed journal, faculty get Rs. 10,000 and SCOPUS / ESCI indexed journal publication, they get Rs. 5,000 incentives.
- Incentives for Funded research projects
- Research Initiation Fund:

- Under the 'Research Initiation Fund', a grant up to Rs. 2 Lakhs shall be awarded to applicant faculty .
- Reimbursement of Conference Registration Charges (for Faculty)
  - The institute reimburses 100% registration charges for the 'SCOPUS indexed conference publication'. In case of international conference (SCOPUS indexed), institute reimburses upto max Rs. 50,000 inclusive of registration and travel charges.
- Patent / Copyright Filing
  - If the patent application is filed as per the IPR policy of the institute, all the charges of filing and maintaining IP are borne by the institute.
- Higher Education
  - Institute offers full paid Study leave to permanent faculty for a maximum of 2-years.
- Reimbursement policies for students
  - Institute reimburses 50% of the registration charges for the conference papers of students.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://www.cumminscollege.org/research-2/research-support-schemes-policies/">https://www.cumminscollege.org/research-2/research-support-schemes-policies/</a>
Any additional information	No File Uploaded

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

1.75920

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.2 - Resource Mobilization for Research

#### 3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

86

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.2.2 - Number of teachers having research projects during the year

6

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	<a href="#">View File</a>

### 3.2.3 - Number of teachers recognised as research guides

27

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

### 3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

4

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

### 3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

#### Ecosystem for innovations-

A variety of innovative teaching methods and strategies, such as quizzes, games, the flipped classroom model, and research papers, are utilized to elevate the standard of the teaching and learning experience. Faculty members assign creative tasks to stimulate innovation and imagination among students. Courses such as Intellectual Property Rights and Entrepreneurship Development are incorporated into the curriculum. Students engage in demanding projects, offering inventive solutions.

The college hosts a project competition to foster innovative ideas, granting the 'Kedar Tumane Innovative Project Award' to outstanding projects. Encouragement is given for participation in hackathons and project competitions, resulting in students achieving accolades in national-level events like the Natarajan Society Innovative Project Competition and the Smart India Hackathon. Furthermore, students are driven to secure patents for their inventive ideas with faculty guidance, resulting in the successful acquisition of three granted patents.

Instituting various initiatives for the creation and dissemination of knowledge, faculty members produce course materials in diverse formats, including videos and notes, which are shared with students. Professional society chapters at the college arrange expert lectures and workshops, while student clubs also organize similar activities. These initiatives significantly contribute to the transfer of knowledge within the institute.

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

#### 3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

9

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4 - Research Publications and Awards

**3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software**

**A. All of the above**

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year**

**3.4.2.1 - Number of PhD students registered during the year**

13

File Description	Documents
URL to the research page on HEI website	<a href="https://www.cumminscollege.org/wp-content/uploads/2023/12/Ph.D-Admission-Letters-2022-23.pdf">https://www.cumminscollege.org/wp-content/uploads/2023/12/Ph.D-Admission-Letters-2022-23.pdf</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

53

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

55

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

### 3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

#### 3.4.5.1 - Total number of Citations in Scopus during the year

1400

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

### 3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

#### 3.4.6.1 - h-index of Scopus during the year

17

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.5 - Consultancy

#### 3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

2.03792

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

### 3.6 - Extension Activities



**3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year**

Students are encouraged to take up extension activities for their holistic development.

Courses focusing on Value Education and Universal Human Values are offered to sensitively educate students about their roles and responsibilities as members of society. External experts are invited for guest lectures, shedding light on critical social issues like traffic regulations and voters' responsibilities. Students actively engage in extension activities through organizations like NSS, NCC, professional society chapters, and student clubs.

The institute boasts an active NSS wing that spearheads initiatives such as Tree Plantation Drives, Thyroid and Blood Glucose Check-ups, Blood Donations, and Haemoglobin Check-ups. A highlight is the Seven Days Residential Special Camp designed for NSS students, involving activities like Village Cleaning, Teaching School Students in the Village, and conducting various Awareness Programs for villagers. Free Health Check up Camp for villagers like Checkup and Body parameter Test-Health Check up

Members of organizations like IEEE, SWE and ISA at CCEW enthusiastically participate in diverse outreach programs. These initiatives instill in students a strong sense of social responsibility, fostering a belief in giving back to society to improve their surroundings. These experiences provide a comprehensive understanding of life beyond technical and academic achievements, contributing significantly to the holistic development of individuals.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.cumminscollege.org/wp-content/uploads/2023/12/3.6-Extension-Activities.pdf">https://www.cumminscollege.org/wp-content/uploads/2023/12/3.6-Extension-Activities.pdf</a>

**3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year**

5

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)**

19

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year**

100

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.7 - Collaboration

**3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work**

512

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)**

11

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

## 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 equipments, etc.

The college campus area is 4 Acres with built-up area 26845 sq. meter.

The college provides a meticulously maintained, user-friendly environment fostering holistic student development.

There are 31 well-equipped classrooms, each furnished with projectors, blackboards, and power backup, ensuring a conducive atmosphere for effective learning. Complementing these, 10 tutorial rooms facilitate group interactions and tutorials.

The institute has 54 labs, aligned with curriculum requirements, boast state-of-the-art equipment and software, including Ansys, Creo, MATLAB, LABVIEW, and POWERLAB. Maintenance and regular upgrades, including high-end equipment like Emerson Delta V system and 3D printers, affirm our commitment to cutting-edge research. The workshop, equipped with welding apparatus and CNC machines, supports practical work, projects, and national competitions like Baja and Robocon.

Four seminar halls, each equipped with audio-visual facilities, provide spaces for intellectual discourse. With 1701 computers across dedicated labs, uninterrupted power supply, and two computer centers for various activities, our institution ensures students and faculty access online resources seamlessly.

The library, housing an extensive collection of books and

journals, subscribes annually to E-resources, ensuring academic and research needs are met.

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

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

The college is committed to creating a balanced atmosphere of academic, cultural and sports activities for the overall personality development of its students.

**Cultural Activities:** The college encourages students to actively engage in cultural events such as annual gatherings, Fresher's Day, and intercollegiate competitions. The campus features an open auditorium (444.4 sq. meters), a well-equipped stage (70.342 sq. meter) with a sound system, music system, light system and various allied equipment, seminar halls, and temporary pandals for diverse cultural activities. A dedicated storeroom efficiently manages equipment related to these events.

**Sports Activities:** The sports facilities, encompassing a 2.5-acre playground and various outdoor and indoor game arenas, facilitate numerous tournaments and competitions. Outdoor spaces are tailored for football, basketball, volleyball, and more. Indoor facilities for Carrom, Chess, and Table Tennis are also provided, ensuring a well-rounded sporting experience.

**Gymnasium and Yoga:** The 3500 sq feet gymnasium, inclusive of machine exercises, free weight exercises, aerobics, and Zumba, is available to students and staff at concessional rates. A separate hall for yoga and meditation complements our commitment to overall well-being.

For visual documentation, geotagged photos of our sports facility and gymnasium can be accessed is attached herewith.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

#### 4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

35

File Description	Documents
Upload any additional information	No File Uploaded
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

623.30

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	No File Uploaded

### 4.2 - Library as a Learning Resource

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

The institute has a state-of-the-art centralized library. Since 2009, the library has been fully automated using the advanced Integrated Library Management software, SLIM 21 (System for Library Information & Management-Version 3.9.0.35737). This comprehensive system facilitates Acquisition, Cataloging, Circulation, and Serial control, incorporating barcode-based book issue and return practices.

The library's digital transformation includes web-based access via OPAC (Online Public Access Catalog) both on and off-campus. Additionally, a link to the Digital Library is seamlessly integrated into the Library OPAC. Students receive timely email alerts for book return deadlines, while faculty are notified of new recommended arrivals. Notably, our proactive approach recognizes and rewards student engagement; annually, the ten most active students receive increased book borrowing limits for a year, fostering a culture of continual learning and exploration.

- Name of the ILMS software : SLIM 21
- Nature of automation (fully or partially) : FULLY
- Version : 3.9.0
- Year of automation : 2009

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

**4.2.2 - Institution has access to the following:** A. Any 4 or more of the above e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	No File Uploaded

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

**36.82**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	No File Uploaded
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 - Usage of library by teachers and students (footfalls and login data for online access)

##### 4.2.4.1 - Number of teachers and students using the library per day during the year

235

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

The college has a Data Center with Fortigate FG600E Firewall for bandwidth management, web site security purposes. The bandwidth management helps to provide sufficient bandwidth to access the Internet. With the help of a firewall we are able to block unnecessary sites , as well as filtering sites that are not useful for academics. Hence all the students and staff can access the Internet for education purposes only.

The college has licenses of Seqrite EndPoint Security for windows based machines. Using Seqrite antivirus, we are able to block the viruses, phishing sites, malware attacks, etc. This helps our windows machine be safe from different types of network attacks. This Seqrite server is managed centrally for new updates. Hence the less bandwidth will be consumed while downloading patches from the original web site.

The Institution has an IT policy covering wi-fi, cyber security for updating its IT facilities. The scanned copy of IT Policy is attached herewith.

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

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2710	1701

File Description	Documents
Upload any additional information	No File Uploaded

#### 4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 750 Mbps

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	No File Uploaded

#### 4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

E. None of the above

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	No File Uploaded

#### 4.4 - Maintenance of Campus Infrastructure



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

680.04

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	No File Uploaded

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

The institution has a comprehensive policy and system in place for the maintenance and utilization of its physical, academic, and support facilities.

Classroom maintenance is overseen by an institutional team, ensuring an optimal environment for various activities, including lectures, examinations, and cultural events.

Laboratories, each managed by a lab-incharge, undergo routine checks and calibrations. A systematic logbook documents maintenance activities, with timely resolutions by the technical team. Department peons manage laboratory cleanliness.

The library spans 714 sq. mts., offering a diverse collection, including technical and competitive exam books. Regular updates involve faculty reviews and approval processes, and a reading hall is open to students throughout the week.

The computer infrastructure, managed centrally, ensures preventive maintenance, supported by an IT policy emphasizing standards, security, and responsible use.

The sports complex, featuring a 2.5-acre playground, undergoes regular maintenance for various sports activities, including inter-campus competitions and coaching sessions.

The in-house electricians handle electrical repairs.

The college's physical infrastructure is well-maintained, with outsourced agencies handling cleanliness, water tank, sewage chamber, and lift maintenance.

This holistic approach ensures a conducive and well-maintained environment for both academic and extracurricular activities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1272

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	No File Uploaded

#### 5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

167

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology A. All of the above

File Description	Documents
Link to Institutional website	<a href="https://www.cumminscollege.org/student-corner/student-activity/capacity-development-and-soft-skills-development-activities/">https://www.cumminscollege.org/student-corner/student-activity/capacity-development-and-soft-skills-development-activities/</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	No File Uploaded

**5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year**

950

File Description	Documents
Any additional information	No File Uploaded
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 adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

**B. Any 3 of the above**

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

## 5.2 - Student Progression

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

611

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 5.2.2 - Number of outgoing students progressing to higher education

15

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

### 5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

43

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded

### 5.3 - Student Participation and Activities

#### 5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

22

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The college has an independent student council. It has 55 posts such as technical secretary, placement representative, sports secretary, cultural secretary, treasurer, library representative. Students nominate themselves for these posts. The technical secretary along with student volunteers organizes annual tech-fest 'Innovation', in which various workshops and seminars are organized. The placement cell representatives help the Training and Placement Officer (TPO) in various placement activities. The issues or problems faced by students were taken care of by the TPO and student cell representatives. The sports secretary organizes an intercollegiate sports tournament, 'Pentacle' and the cultural secretary plans and executes different cultural events such as 'Gandhaar-Annual Cultural program' and art exhibitions. Every year, under the leadership of the magazine secretary publishes the college magazine 'Kshitij'. The University Representative, General Secretary and Cultural Secretary are the members of the Internal Quality Assurance Cell (IQAC) of the college. Anti Ragging Committee is responsible for prevention of ragging in institution. The Internal Complaint Committee looks into Prevention and Prohibition of Sexual Harassment of Women Employees and Students and Redressal of Grievances in Technical Institutions. The student representatives in the Department Advisory Board (DAB) participate in the planning and execution of different department activities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

### 5.3.3 - Number of sports and cultural events / competitions organised by the institution

3

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The "Cummins College Alumni Association, Pune" is officially registered in October 2019. The objective is to strengthen the association between our alumni, the society and the college. The Alumni association aims to enhance the Institute - Industry - Alumni connect which caters to the requirements of students and the industry along with evolving the strong bond with alumni from various fields. There are fifteen life members in the Managing Committee of the association. These members are supported by the alumni coordinators of the respective departments for the smooth and successful functioning of the association. The General Body meeting is scheduled twice annually. Alumni Association has a dedicated website with link <https://alumni.cumminscollege.org/> . The Alumni portal is used extensively to post the achievements, information about notable alumni, events conducted, job opportunities in organizations of alumni, etc. The alumni support the college in many ways: Delivering the guest lectures and webinars for guiding the college students, Guiding in hands on Workshops on technical and nontechnical subjects, Examining the students in end semester oral and practical exams, Helping the students to get internship and placements, Working as Board of Studies members, Contributing in syllabus designing, Mentoring the

project groups, Supporting the needy students financially.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

**5.4.2 - Alumni's financial contribution during the year** D. 2 Lakhs - 5 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

#### Vision of Institute

To be a globally renowned institute for imparting quality education and to develop women leaders in engineering and technology

#### Mission of Institute

To develop women professionals who are academically and technically competent with strong professional ethics.

#### Perspective Plan:

The college has developed its perspective plan through a rigorous process of internal discussions. Senior faculty members, Heads of departments, Deans are involved in drafting the perspective plan. Plan is reviewed by governing body members and external advisors from industry and academia. Considering the inputs of governing body members and advisors, the plan is modified. Following parameters are considered while finalizing the plan

1. Strengths and weaknesses of the institute
2. Recent transition of college from affiliated college to autonomous affiliated college

3. Students' inclinations and aspirations
4. Industry feedback
5. Achievable outcomes in five years

Plan is divided in three categories or contexts

1. Teaching-Learning & Evaluation
2. Readiness for Careers
3. Research and Extensions

Participation of faculty members in decision making:

The college supports decentralization and encourages participation of faculty members in decision making. Faculty members are members of various statutory bodies and administrative committees like the Governing body, Academic Council, College Development Committee, IQAC, Board of Studies, Industry Institute Partnership Cell (IIPC), Intellectual Property Cell (IPC), Purchase, etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The college practices decentralization and encourages participative management by involving faculty members at various levels in organizational structure. Head of the departments, deans play vital roles in management and administration of the college.

Most of the faculty members are involved in academic, co-curricular and extra-curricular activities in the form of coordinators and incharges.

Annual Budget Preparation:

Fig.: Annual Budget Preparation of the College

The budget preparation for the next financial year is initiated in advance.



- Each department prepares a budget by gathering the requirements from the department staff. The department considers lab upgradation, software tools required, student project activities and other recurring expenses related to the department while preparing the budget.
- The students council and faculty coordinators propose the budget for co-curricular and extracurricular activities.
- For maintenance and upgradation of IT infrastructure, budgetary requirements are proposed by system/network administrators.
- Budget is also proposed for library, sports, training and placement activities by the respective section heads.

By considering all the proposals and requirements together, the accounts officer prepares an annual budget. The budget is proposed, discussed and finalized in the finance committee meeting. The Governing Body approves the budget, and if required suggest the changes.

File Description	Documents
Upload strategic plan and deployment documents on the website	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	Nil

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The college has developed its perspective plan through a rigorous process of internal discussions. Deans, Heads of departments and Senior faculty members are involved in drafting the perspective plan. The plan is reviewed by governing body members and external advisors from industry and academia.

The plan is divided in three categories or contexts

1. Teaching-Learning & Evaluation
2. Readiness for Careers
3. Research and Extensions

Considering the aspirations of the stakeholders, the goals for every context are set. According to the goals, action points are defined. To evaluate execution of the plan, success metrics are also defined.

The teaching learning context of Perspective plan is aimed at implementing pedagogies to promote student centric learning processes.

**Pedagogy Cell Activity:**

The pedagogy cell consisting of faculty members from each department is formed to investigate and disseminate the modern trends in engineering education.

Members of the cell meet regularly to discuss different pedagogy practices adopted or practiced in various institutes. Different activities are conducted like FDP, sessions etc. to increase awareness among the faculty members to enhance teaching learning processes. Pedagogy cell also started Cummins College Digest of Engineering Education(CCDEE) as a platform to display the methodology and outcomes of pedagogical practices experimented by faculty members.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.cumminscollege.org/wp-content/uploads/2023/12/Perspective-Plan22-23.pdf">https://www.cumminscollege.org/wp-content/uploads/2023/12/Perspective-Plan22-23.pdf</a>
Upload any additional information	No File Uploaded

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

The college functioning is guided by different statutory committees like:

**Governing Body:** The college has constituted the Governing Body as per AICTE and UGC norms functions for approval of new programmes of study, the annual budget and examination fees, certificate program fees.

**College Development Committee:** It consists of representatives from

management, teaching and non-teaching staff, IQAC coordinator and the student council. The Principal is the member secretary. Its functions are to prepare an overall comprehensive development plan of the college, prepare an annual calendar, recommend new academic courses and the creation of additional teaching and administrative posts.

**Internal Quality Assurance Cell:** It defines development and application of quality benchmarks (SWOT), parameters for various academic and administrative activities of the institution; perspective plan. It performs different audits, collects and analyzes the feedback.

**Human Resource Development Committee:** Heads of the Departments, Management Committee representatives and Principal are the members of the HRD Committee. Decisions about appointments, leave sanction, career advancement are taken by the committee. This committee also acts as Grievance Committee for teaching as well as non-teaching staff members.

The Service Rules, Code of Conduct, Ordinances, Procedure, Recruitment policies and promotional policies are as per University and AICTE regulations.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://www.cumminscollege.org/about-us/organization-structure/">https://www.cumminscollege.org/about-us/organization-structure/</a>
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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

A. All of the above

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

### 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The college provides welfare measures as follows.

- Gratuity as per the rules.
- Maternity and other medical leaves as per the rules.
- Group insurance
- Mediclaim policy
- Employees Provident Fund (EPF) scheme
- Registration fees to all the staff for attending workshops, seminars, etc.
- 

For teaching faculty the college provides

- Career Advancement Scheme (CAS)
- Full paid Phd study leave scheme
- Incentives for publications in indexed journals and funded projects
- Registration fees for presenting research work in national and international conferences.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://cumminscollege.org/wp-content/uploads/2019/03/ServiceRulesforTeachersOctober2017.pdf">https://cumminscollege.org/wp-content/uploads/2019/03/ServiceRulesforTeachersOctober2017.pdf</a>

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

61

File Description	Documents
Upload any additional information	No File Uploaded
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 programmes organized by the Institution for its teaching and non-teaching staff during the year**

05

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	No File Uploaded

**6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)**

111

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	No File Uploaded

**6.4 - Financial Management and Resource Mobilization**

6.4.1 - Institution conducts internal and external financial audits regularly

The internal and statutory audits are conducted every year.

In the internal audit vouching, receipts, ledger scrutiny, depreciation, grant utilization, fees reconciliation etc. are

scrutinized.

In Statutory audit, external auditors check financial documents and files.

Auditors' reports are discussed in the finance committee as well as in management meetings. The objections and suggestions are reviewed in these meetings and accordingly actions are taken. No major objections have been raised by the auditors in the last few years.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

107.73

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The Cummins College is an unaided college and the primary income source for the college is fees collected from students. The government authorities approve the fees.

Based on the fees every year the budget is prepared considering operational expenses and development needs. The collected tuition fees are utilized to meet the operational expenses. However, if any shortage of funds, due to non-receipt of timely fees, parent trust supports the college to meet the expenses. Considering the requirements the institute requests for the support of the parent trust.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

Internal Quality Assurance Cell (IQAC) sets and reviews overall quality benchmarks in academic and administrative activities of the college. IQAC initiated a variety of quality assurance strategies such as Question Paper Audit, Inclusion of Open-Ended Assignments( OEAs) in laboratory courses, Academic Audit, Feedback mechanism, etc.

### Question Paper Audit:

IQAC conducts a question paper audit based on following points:

- The template, language and time allotted to the students
- The difficulty levels, syllabus coverage and mapping along with the marks distribution.
- Mapping of COs to the questions
- Overall coverage of all the COs during ISE and ESE
- Inclusion of higher cognitive levels

### Inclusion of Open Ended Assignments in lab courses:

To improve the self learning component of students, the IQAC insists on the inclusion of OEAs in the laboratory courses. In OEAs, only the Aim is given whereas the materials, methods and answers are open. As the benchmark, it is decided that at least one open ended assignment should be included in the laboratory course. The auditors check the blend of laboratory assignments as demonstration, exercise, structured and OEAs for each course.

Based on the audit reports of the individual courses an analysis is presented and discussed in the IQAC meeting.

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

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

IQAC initiates, collects, analyzes, presents and reviews the feedback from stakeholders in IQAC meetings. The reviews are done on academic structure, research and innovation activities, Pedagogy cell activities, students and faculty achievements, students satisfaction survey and quality audits in the college.

#### Academic Audit:

The departmental Academic Audit is conducted annually by involving an internal auditor along with an external auditor. It is based on the following criteria -

- Quality of Teaching Learning Processes
- Co-curricular and Extra-curricular activities
- Student Performance analysis
- Faculty Contributions
- Additional facilities created for enhancing quality of teaching / learning

The academic audit report with suggestions of auditors is submitted to the IQAC.

#### Teaching Learning Evaluation Quality Reviews:

To improve the effectiveness and quality of teaching-learning-evaluation, different reviews are taken by IQAC.

#### Reviews on Result Analysis:

The students' performance in the examinations is discussed and reviewed regularly.

#### Review on Student Feedback on Teaching:

The feedback is obtained on teaching for every course. The feedback



is shared with faculty members. The Principal and the HoD give suggestions to the faculty member for improvements.

**Student Satisfaction Survey:**

The SSS is discussed and reviewed in IQAC meetings. Based on the analysis, action plans are decided for further improvements.

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

**6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)**

**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://www.cumminscollege.org/wp-content/uploads/2023/12/Annual-Activity-Report-2022-23.pdf">https://www.cumminscollege.org/wp-content/uploads/2023/12/Annual-Activity-Report-2022-23.pdf</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	No File Uploaded

**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

For the year 2022-23, a Gender sensitization Action plan was prepared. The IEEE student chapter, the National Service Scheme Unit (NSS Unit), and the Sports department actively arranged various events and successfully executed the plan which promoted gender equality.

Under this, the following events were conducted:

Sports department arranged a workshop for the physical and mental fitness of the girl students. Under this the students were introduced to various Asanas, Suryanamaskar, Meditation and Pranayama. All students actively participated in all the above activities.

For the development of physical and managerial skills of the girl students, the sports department organized Sports tournaments. The event was totally managed by the girl students and active participation was seen.

The IEEE students chapter arranged a talk for development of Entrepreneur mindset among girl students and made them aware of funding required for a startup. Another session was arranged for the girl students which helped them in cracking the off-campus internships. This was especially meant for the students who did not get an on campus internship.

NSS unit arranged a health checkup camp for girls for checking HB, Sugar and Breast cancer screening.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.cumminscollege.org/wp-content/uploads/2023/12/7.1.1-a.pdf">https://www.cumminscollege.org/wp-content/uploads/2023/12/7.1.1-a.pdf</a>

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

**A. Any 4 or All of the above**

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

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

The facilities provided by the Institution for the management of degradable and non-degradable waste are as follows:

- Solid waste management - Solid waste is collected separately in Wet and Dry dustbins on the campus. Biodegradable and non-biodegradable waste is segregated and biodegradable waste is used to prepare compost. A Biogas plant has been installed on campus. The waste generated by leaves is shredded through a shredder machine and further used for composting. For the disposal of sanitary napkins, an Incinerator has been installed on the campus.
- Liquid waste management- Wastewater / recycled water is used for gardening in the college premises.
- Biomedical waste management - There is no bio-medical waste generated in college.
- E-waste management - A periodical write-off procedure is executed for the management of E-waste and computers. They are given to outside vendors for disposal.
- Waste recycling system - 1. Wastewater is recycled and utilized for watering the garden and trees.

2. A Biogas plant has been installed on campus which utilizes food waste from the canteen and hostels. Biogas generated is used for cooking in the hostels.

Hazardous chemicals and radioactive waste management- There is no hazardous chemical and radioactive waste generated in the Institute

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**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** A. Any 4 or all of the above

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

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:** A. Any 4 or All 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

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

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

**7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:**

**A. Any 4 or all of the above**

- 1. Green audit**
- 2. Energy audit**
- 3. Environment audit**
- 4. Clean and green campus recognitions/awards**
- 5. Beyond the campus environmental promotional activities**

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 a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.**

**C. Any 2 of the above**

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing 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, socio-economic and other diversities (within a maximum of 200 words).

- The annual cultural fest "Gandhaar" was celebrated, which had various intra-collegiate activities like Cultural dance performances, Traditional day celebrations, Painting, Sketching, Rangoli, Group dance, Faculty performance, Open mic, Classical event, Natak, Group singing, Poem recitation, Quiz, etc which gives them a chance to spread awareness about Indian culture and heritage. This also creates an inclusive environment in the college.
- Students from different regions of the country like North India, Northeast India, etc took admission to our Institute. J & K students got admitted under a special admission scheme.
- This year students performed the play "Charane". It won prizes in the renowned Marathi drama competitions "Purushottam Karandak", "PNG Karandak", "Bharat Karandak" and "Atal Karandak". Another Play "Takto Ek Sawal" was Selected in Top 9 out of 25 colleges in the Symbiosis karandak.
- An art exhibition was organized to provide a platform to the artists to exhibit their art.
- The annual college magazine 'Kshitij' was published.
- The institute provided financial assistance to students coming from weak financial backgrounds. For the students coming from rural backgrounds grooming sessions were

arranged under the program 'Employability Enhancement ' .

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

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

The institution sensitizes the students and the employees to the constitutional obligations of values, rights, duties, and responsibilities of the citizens and constantly works to nurture them as better citizens of the country through various activities.

- The institution took many initiatives like conducting awareness campaigns, organizing orientation programs, training programs, seminars, workshops, and guest lectures to sensitize human values and constitutional obligations.
- 26th January was celebrated by hoisting the flag. Air Marshal Pradeep Padmakar Bapat (Retd.) addressed the students with a motivational speech.
- Azadi ka amrut mahotsav was celebrated and flag hoisting ceremony took place in the presence of the chief guest Brigadier V. S. Toley(Veteran). The students and the staff of the institute took part in the "Har Ghar Tiranga "campaign.
- The Institute celebrated the "National Voters Day" by taking the voters day pledge.
- Students participated and have won prizes in National level sports and Games.
- Student council elections for different posts were held.
- NSS cell conducted various programs like: World Environment Day, Constitution Day Celebration, Voters Day Celebration, Shiv Swarajya Din, Cleaning and Rally under Swachh Amrit Mahotsav, National Unity Day, River Cleaning Drive , Plastic

collection Drive etc.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
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 sensitization 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 Annual awareness programmes on the Code of Conduct are organized**

**A. All 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 programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

The institution organizes commemorative days, events and festivals throughout the academic year. All these activities have become instrumental and help in building today's youth. Importance of national festivals and events preach to them and remind them about our country's cultural heritage and history.

1. Independence day (15th August), Republic day (26th January)-



Every year the institute celebrates Independence Day and Republic Day by hoisting the national tricolor. Persons from defense background are invited as a chief guest who inspire the students and faculty with inspirational speech.

2. National voters day- On 25th January election oath taking programme is organized for the college students and staff. The Electoral Literacy Club was established to conduct awareness campaign activities for new voters.

3. International Women's day (8th March)- On the occasion of International women's day events like Marathon for women, Yogasana for PCOD and Thyroid, Free basic Dental check-up, Pathology test, etc. are conducted.

5. World environment day (5th June)- Various events like tree plantation, campus cleaning drive etc, are done by staff and students.

6. International Yoga day (21st June)- Every year the Institute organizes a 7 day yoga program for all the students, staff and office employees.

7. Teachers day (5th Sept) - We celebrate Dr. Radhakrishnan's birthday as Teacher's Day with great fervour. The students organize a program for the teachers conducting the Student Council election every year.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

### Best Practice 1:

**Innovative Project Competition:- Kedar Tumne Award**

**Best Practice 2:**

**Inclusion of Interdisciplinary courses in the engineering curriculum.**

File Description	Documents
Best practices in the Institutional website	<a href="https://www.cumminscollege.org/wp-content/uploads/2023/12/7.2.1_-Best-Practices.pdf">https://www.cumminscollege.org/wp-content/uploads/2023/12/7.2.1_-Best-Practices.pdf</a>
Any other relevant information	Nil

**7.3 - Institutional Distinctiveness**

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

The Institute has bestowed tremendous thrust and priority in building women technical leaders by imparting quality education, which is in line with the Vision of the Institute.

The curriculum is designed not only to impart technical knowledge but also to foster critical thinking, problem-solving, and leadership skills. The institution's faculty members are experienced professionals who bring real-world insights into the classroom, ensuring that students are well-prepared for the challenges of the rapidly evolving technologies.

Internships play a vital role in shaping students into global tech leaders. In AY 2022-23, around 650 students secured internships, out of which, 5 students received International internships. These internships not only enhance technical skills but also cultivate a global perspective.

Membership in professional societies further distinguishes the institution's approach. Following are the professional societies: IEEE, ASME, CSI, ACM-W, SWE, ISA, SAE. Students are encouraged to join, actively participate and arrange the programs.

The institution's commitment to cultivating tech leaders is evident in the success stories of its alumni, with influential figures in the tech industry. These graduates serve as ambassadors

for the institution.

In summary, the institution's performance in building technical leaders through comprehensive training, international exposure, and active engagement with professional societies is commendable.

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

MKSSS's Cummins College of Engineering for Women is the first Women's Engineering College in India established in the year 1991. The College contributes towards enhancing the percentage of Women Engineers at the global level. The AICTE and UGC guidelines are followed to define the curriculum of all the programmes. Further, guidelines of global professional bodies like ACM, IEEE, ASME, ISA are considered. Looking at national needs and global trends, Honors and Minors B.Tech. courses such as Electric vehicle, Data Science, Full stack, Machine learning, Information Security Management, Wireless Communication, VLSI Technology, Engineering Management, have been included in the curriculum. Feedback from Technical experts of Eaton, Emerson, CISCO, Boeing, Danfoss and others have been taken into consideration. The College invites stakeholders, industry experts, employers, academic experts and alumni in the Governing Body, Academic Council, IQAC and various BoS of the College. Service provider Companies located in and around Pune region such as Cummins India, Citi Bank, Tata Technologies, Forbes Marshall, Barclays, Mercedes Benz and others too have been involved in designing the B.Tech. curriculum. As per the requirements at the regional and the national level, courses having social relevance such as Human values, Renewable energy, Environmental studies are included as a part of the curriculum.

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

#### 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

5

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year**

274

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

**1.2 - Academic Flexibility**

**1.2.1 - Number of new courses introduced across all programmes offered during the year**

40

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

**1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System**

7

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The Institute creates awareness in students regarding cross-cutting issues by extending relevant courses in the curriculum. Importance of human values is emphasized through the courses- Universal Human Values-I and Universal Human Values-II. Courses on Professional Ethics and Etiquettes, Leadership & Personality Development and IPR are included in the curriculum encompassing ethical practices in the Engineering profession. Curriculum relevant educational activities are carried out adhering to Professional Ethics. Cummins College is an All Women Engineering College. To appreciate gender diversity and equality, the College provides bandwidth for the students to participate in inter and intra level College competitions. The College has formed Professional Society Chapters of Society for Women Engineers (SWE) and Association of Computing Machinery-W (ACM-W) that provide opportunities for networking with women engineers and conduct workshops, lectures relevant to the state-of-the art technology. Environmental and Sustainability issues are relevant to the Engineering curriculum. Thus, courses on Environment, Sustainability, Green Computing, Renewable Energy are introduced in the curriculum to highlight cross-cutting issues like Waste Management, Pollution, Smart city, Green Materials and bring about potential contribution in these areas as an Engineer. The College promotes National Service Scheme (NSS) activities related to Sustainability such as Tree Plantation, Water Conservation and Waste Management.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year**

2

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.3.3 - Number of students enrolled in the courses under 1.3.2 above**

830

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.3.4 - Number of students undertaking field work/projects/ internships / student projects**

1000

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.4 - Feedback System**

**1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni**

**A. All 4 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://www.cumminscollege.org/criterion-1-curricular-aspects-22-23/">https://www.cumminscollege.org/criterion-1-curricular-aspects-22-23/</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

**1.4.2 - The feedback system of the Institution comprises the following**

**A. Feedback collected, analysed and action taken made available on the website**

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://www.cumminscollege.org/curriculum-feedback/">https://www.cumminscollege.org/curriculum-feedback/</a>
Any additional information	<b>No File Uploaded</b>

**TEACHING-LEARNING AND EVALUATION**

**2.1 - Student Enrollment and Profile**

**2.1.1 - Enrolment of Students**

**2.1.1.1 - Number of students admitted (year-wise) during the year**

**632**

File Description	Documents
Any additional information	<b>No File Uploaded</b>
Institutional data in prescribed format	<a href="#">View File</a>

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

**200**



File Description	Documents
Any additional information	No File Uploaded
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 students' learning levels and organises special programmes for both slow and advanced learners.

The institute motivates every student to explore and reach her potential and does not discriminate between slow and advanced learners on the basis of academic performance.

### Slow learners

- Slow learners are identified by faculty through interactions in class /labs.
- Individual guidance is given by the mentors and course instructors.
- Students can work in the labs besides the regular schedule.
- Online resources were made available to the students.
- For students with weak communication skills: Institute has a "Garnishing talent program" in collaboration with the Confederation of Indian Industry (CII), EATON.

### Advanced learners

Advanced learners can learn beyond the curriculum through curricular and extracurricular activities.

- Assignments with challenging problem statements are given.
- Students are motivated to participate in various technical competitions such as Robocon, BAJA
- Students' achievements are published in the newsletter and magazine.

- Students with innovative ideas are encouraged to implement and assistance is given to file the patent.
- Students are encouraged to participate in conferences to publish their research with financial support.
- Students enroll in activities conducted by professional societies like IEEE, ISA, SAE etc.
- Institute felicitates academic and sports achievers and best outgoing students.
- The students are fully sponsored for pursuing an M.S. program at Purdue University, USA

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/06/2023	2655	164

File Description	Documents
Upload any additional information	No File Uploaded

### 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 institute's faculty members adopt different techniques to make the teaching-learning experience effective.

#### 1. Participative Learning:

- Flipped Classroom - Resource material is shared with the students prior to the classroom session.

- Quiz-The students can self-assess what they know and what they need to know.
- Case study-based learning -Under this activity, students work in small groups. Cases under studies are explored.

**2. Experiential learning:**

- Internships and Projects
  - Internship facilitates students to explore the industry requirements, gain experience, and learn new skills which add value to them.
  - Project activity provides students enormous opportunities to learn and develop many technical as well as non-technical skills.
- Laboratory experiments/sessions
  - Laboratory sessions give opportunities to learn through experiments. In laboratory sessions students explore and learn theoretical concepts.
  - To improve the self-learning ability among the students, open-ended assignments are defined by the faculties.
- Workshops for Students:
  - Institute organizes workshops for students to gain hands-on experience and to learn the latest technologies.

**3. Technical competitions participation:**

- The students are encouraged to participate in various technical competitions.

**4. Problem-based learning:**

- Mini-projects and Final Year Project: Students identify real life problem statements which can be solved by applying engineering knowledge.
- Tutorials: Students' learning is reinforced by tutorial sessions by solving conceptual problems.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	Nil

### 2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

The following ICT-enabled tools/techniques are used for effective teaching, learning, and evaluation process

a) Google Classroom: The institute availed G Suite Enterprise for Education edition, which allowed recordings of online sessions taken by faculty to all the students.

b) Moodle: Institute conducted training for the faculty on Learning Management Systems using Moodle. This help to share teaching material as well as attempt Quiz, games, assignments, and mark attendance.

c) Youtube channel: Faculty record their videos using screen-cast tools. The recorded videos are shared with students.

d) Institute has a provision in the curriculum for students to enroll in MOOC courses conducted by NPTEL/ SWAYAM/ COURSERA.

e) Virtual Lab: Institute provides a facility for remote access to simulation-based Labs.

f) Institute provides digital content to the students through the digital library. It is available through remote login of Web-OPAC.

g) Institute has made the software available to the students for a better understanding of concepts. Such as MATLAB, Xilinx, NASM, Android, Java Eclipse, Python, Delta-V, SCADA, Solid works, Automation Studio, ANSYS etc.

h) Video clips and Animation: Some courses include complex concepts that are difficult to understand without visualization. Such visualization can be achieved by using multimedia tools like animation and video clips.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://docs.google.com/document/d/1z8cuScG6Z33MjgiIClAmJcNMnvYgWUrp/edit?usp=sharing&amp;oid=112214103147186822910&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1z8cuScG6Z33MjgiIClAmJcNMnvYgWUrp/edit?usp=sharing&amp;oid=112214103147186822910&amp;rtpof=true&amp;sd=true</a>
Upload any additional information	No File Uploaded

### 2.3.3 - Ratio of students to mentor for academic and other related issues

#### 2.3.3.1 - Number of mentors

135

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

#### 2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

At the start of the academic year, the institute prepares the semester-wise academic calendar for all undergraduate and postgraduate programs. It is approved by the Principal and released by the dean of academics. The academic calendar is displayed on the notice board as well as on our college website before the commencement of classes.

The academic calendar majorly consists, of dates of start/end of the semester, in-semester and end semester examinations, summer term, holidays, etc. The academic calendar comprises of detailed schedule in terms of week slots for the conduction and result declaration of in-semester examinations and end-semester examinations. Also provides information about the availability of students' answer sheets for semester Examinations. Timelines for other activities like industrial visits, mentor meetings, completion of term work and assessment work, feedback, and curricular and co-curricular activities are taken into consideration at the department level. In line with the academic calendar of the institute, every program schedules its faculty development programs, student workshops, and co-curricular and extracurricular activities in the department's

academic calendar.

Every faculty member follows the academic calendar and planned accordingly their Teaching and Learning schedule. The teaching plan is prepared by every faculty of this institute and it is declared/share with the student every semester. The teaching plan comprises the information about lecture plan, teaching-learning methods, and mode of conduction of in-semester examinations such as assignments, quizzes, presentations, etc.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<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

164

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

60

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time

**teachers' total teaching experience in the current institution)**

2104.1

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	No File Uploaded

**2.5 - Evaluation Process and Reforms**

**2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year**

18

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	No File Uploaded

**2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year**

191

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

**1. Examination Procedure:**

- Principal appoints course chairman and paper setter for every course.
- In Semester examination consists of two components viz.

T1 of 25 marks and T2 of 25 marks and End-semester Examination (ESE) of 50 marks

- All the assessments are mapped to the course outcomes and Bloom Taxonomy levels.
- The faculty members evaluate the answer sheets of both ISE- T2 and ESE and discuss them with students.
- Absolute grading is done and grades are awarded as per UGC guidelines.
- During pandemic, online proctored examinations were conducted using the Ion Exam.

## 2. Processes integrating IT:

- College has adopted the EMS module- Ion EMS examination Management System, Ion DVS for digital evaluation.
- Results are made available to the students on the Ion student App.
- IT integration features incorporated during a pandemic
  - Online proctored examinations were conducted using the Ion Exam module.
  - Question banks were submitted to the exam section, and question paper sets were auto-generated and assigned randomly to the students.

## 3. Continuous Internal Assessment System:

- In Semester examination consists of two components viz. T1 of 25 marks and T2 of 25 marks.
- T1 is conducted using various assessment modes such as assignments, viva-voce, puzzles, crosswords, seminars, model building, etc. T2 is conducted using paper pencil mode.
- The evaluated ISE answer sheets are discussed with the students to ensure transparency.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

## 2.6 - Student Performance and Learning Outcomes



2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The institute has adopted Outcome Based Education and hence the curricula of all the programs are designed to attain Program Outcomes. The Program Outcomes are the qualities that must be imbibed in the graduates by the time of completion of their program. Each program also has Program Specific Outcomes, which cater to the program-specific competencies. PSOs are formulated by the faculty members' team and approved by the respective BoS.

Program Outcomes and Program Specific Outcomes are displayed on the institute website, at key locations in the institute, and in the departments.

Course outcomes are defined for each course in the curriculum by taking into account Program Outcomes and feedback from various stakeholders such as industry, alumni, and guidelines from professional bodies such as AICTE, IEEE, ASME, SAE, etc. Course Outcomes are formulated using appropriate action verbs defined by revised Bloom's taxonomy. They are discussed with the students in the lecture, tutorial, and laboratory sessions by course instructors and course chairmen. Course instructors and mentors create awareness about the course outcomes amongst the students. The importance of attaining course outcomes is emphasized during interactions with the students.

Course outcomes for all the courses for all the programs are displayed on the college website.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

**CO Attainment:**

A departmental committee consisting of HOD, senior faculty

members, experts from academia and industry is constituted which reviews CO-PO and CO-PSO mapping.

Attainment

Tools Used

Weightage

Direct CO attainment

- Cumulative Internal Examination (CIE)
- Semester End Examinations (SEE)
- Continuous Assessment (CA)
- Practical and Oral Examinations

95%

Indirect CO attainment

End Course Survey

5%

Direct CO attainment:

Direct CO attainment for all courses is calculated for SEE and CIE using the 5 steps as shown in figure below.

Find

Find Co mapping of each question in each assessment tool

Group

Group the questions as per CO mapping

Apply

Apply the students performance threshold value

Compute

Compute percentage number of students above threshold for each  
CO

Compare

Compare the CO attainment with set attainment levels

Direct CO attainment levels

Attainment Level

Criterion

1

< 40% students

2

40% - 60% students

3

More than or equal to 60% students

Calculation PO and PSO attainment

Attainment

Tools

Weightage

Direct Attainment

CO attainment

80%

Indirect Attainment

Exit Survey

20%

Employers' survey

Alumnae survey

Co-curricular activities

Extra- curricular activities

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

### 2.6.3 - Pass Percentage of students

#### 2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

670

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	<a href="http://www.cumminscollege.org/wp-content/uploads/2023/12/2.6.3.1-Annual-Report-2022-23.pdf">www.cumminscollege.org/wp-content/uploads/2023/12/2.6.3.1-Annual-Report-2022-23.pdf</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://www.cumminscollege.org/wp-content/uploads/2023/12/Student\\_satisfaction\\_survey\\_22\\_23.pdf](https://www.cumminscollege.org/wp-content/uploads/2023/12/Student_satisfaction_survey_22_23.pdf)

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined

policy for promotion of research which is uploaded on the institutional website and implemented

**Research Facilities:**

College laboratories are equipped with high end hardware/software facilities such as ansys , LabView ,Power Lab , 3D printers etc.

**Policy for promotion of research:**

The Institute has well defined research promotion policies are as follows:

- Incentives for SCI/SCOPUS Indexed Journal Publications .
  - If the paper is published in SCI / SCIE Indexed journal, faculty get Rs. 10,000 and SCOPUS / ESCI indexed journal publication, they get Rs. 5,000 incentives.
- Incentives for Funded research projects
- Research Initiation Fund:
  - Under the 'Research Initiation Fund', a grant up to Rs. 2 Lakhs shall be awarded to applicant faculty .
- Reimbursement of Conference Registration Charges (for Faculty)
  - The institute reimburses 100% registration charges for the 'SCOPUS indexed conference publication'. In case of international conference (SCOPUS indexed), institute reimburses upto max Rs. 50,000 inclusive of registration and travel charges.
- Patent / Copyright Filing
  - If the patent application is filed as per the IPR policy of the institute, all the charges of filing and maintaining IP are borne by the institute.

- **Higher Education**
  - Institute offers full paid Study leave to permanent faculty for a maximum of 2-years.
  
- **Reimbursement policies for students**
  - Institute reimburses 50% of the registration charges for the conference papers of students.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://www.cumminscollege.org/research-2/research-support-schemes-policies/">https://www.cumminscollege.org/research-2/research-support-schemes-policies/</a>
Any additional information	<b>No File Uploaded</b>

**3.1.2 - The institution provides seed money to its teachers for research**

**3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)**

**1.75920**

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.2 - Resource Mobilization for Research

#### 3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

86

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.2.2 - Number of teachers having research projects during the year**

6

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	<a href="#">View File</a>

**3.2.3 - Number of teachers recognised as research guides**

27

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

**3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year**

4

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

**3.3 - Innovation Ecosystem**

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

**Ecosystem for innovations-**  
**A variety of innovative teaching methods and strategies, such**



as quizzes, games, the flipped classroom model, and research papers, are utilized to elevate the standard of the teaching and learning experience. Faculty members assign creative tasks to stimulate innovation and imagination among students. Courses such as Intellectual Property Rights and Entrepreneurship Development are incorporated into the curriculum. Students engage in demanding projects, offering inventive solutions.

The college hosts a project competition to foster innovative ideas, granting the 'Kedar Tumane Innovative Project Award' to outstanding projects. Encouragement is given for participation in hackathons and project competitions, resulting in students achieving accolades in national-level events like the Natarajan Society Innovative Project Competition and the Smart India Hackathon. Furthermore, students are driven to secure patents for their inventive ideas with faculty guidance, resulting in the successful acquisition of three granted patents.

Instituting various initiatives for the creation and dissemination of knowledge, faculty members produce course materials in diverse formats, including videos and notes, which are shared with students. Professional society chapters at the college arrange expert lectures and workshops, while student clubs also organize similar activities. These initiatives significantly contribute to the transfer of knowledge within the institute.

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

**3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year**

9

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4 - Research Publications and Awards**

<p><b>3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software</b></p>	<p><b>A. All of the above</b></p>
--	-----------------------------------

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

**3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year**

**3.4.2.1 - Number of PhD students registered during the year**

**13**

File Description	Documents
URL to the research page on HEI website	<a href="https://www.cumminscollege.org/wp-content/uploads/2023/12/Ph.D-Admission-Letters-2022-23.pdf">https://www.cumminscollege.org/wp-content/uploads/2023/12/Ph.D-Admission-Letters-2022-23.pdf</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

**3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year**

**53**

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

55

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

### 3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

#### 3.4.5.1 - Total number of Citations in Scopus during the year

1400

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

### 3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

#### 3.4.6.1 - h-index of Scopus during the year

17

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)	
2.03792	
File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year	
0	
File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities
3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year
<p>Students are encouraged to take up extension activities for their holistic development.</p> <p>Courses focusing on Value Education and Universal Human Values are offered to sensitively educate students about their roles and responsibilities as members of society. External experts</p>

are invited for guest lectures, shedding light on critical social issues like traffic regulations and voters' responsibilities. Students actively engage in extension activities through organizations like NSS, NCC, professional society chapters, and student clubs.

The institute boasts an active NSS wing that spearheads initiatives such as Tree Plantation Drives, Thyroid and Blood Glucose Check-ups, Blood Donations, and Haemoglobin Check-ups. A highlight is the Seven Days Residential Special Camp designed for NSS students, involving activities like Village Cleaning, Teaching School Students in the Village, and conducting various Awareness Programs for villagers. Free Health Check up Camp for villagers like Checkup and Body parameter Test-Health Check up

Members of organizations like IEEE, SWE and ISA at CCEW enthusiastically participate in diverse outreach programs. These initiatives instill in students a strong sense of social responsibility, fostering a belief in giving back to society to improve their surroundings. These experiences provide a comprehensive understanding of life beyond technical and academic achievements, contributing significantly to the holistic development of individuals.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.cumminscollege.org/wp-content/uploads/2023/12/3.6-Extension-Activities.pdf">https://www.cumminscollege.org/wp-content/uploads/2023/12/3.6-Extension-Activities.pdf</a>

**3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year**

5

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)**

19

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year**

100

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.7 - Collaboration**

**3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work**

512

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)**

11

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

## 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 equipments, etc.

The college campus area is 4 Acres with built-up area 26845 sq. meter.

The college provides a meticulously maintained, user-friendly environment fostering holistic student development.

There are 31 well-equipped classrooms, each furnished with projectors, blackboards, and power backup, ensuring a conducive atmosphere for effective learning. Complementing these, 10 tutorial rooms facilitate group interactions and tutorials.

The institute has 54 labs, aligned with curriculum requirements, boast state-of-the-art equipment and software, including Ansys, Creo, MATLAB, LABVIEW, and POWERLAB. Maintenance and regular upgrades, including high-end equipment like Emerson Delta V system and 3D printers, affirm our commitment to cutting-edge research. The workshop, equipped with welding apparatus and CNC machines, supports practical work, projects, and national competitions like Baja and Robocon.

Four seminar halls, each equipped with audio-visual facilities, provide spaces for intellectual discourse. With 1701 computers across dedicated labs, uninterrupted power supply, and two computer centers for various activities, our institution ensures students and faculty access online resources seamlessly.

The library, housing an extensive collection of books and journals, subscribes annually to E-resources, ensuring academic

and research needs are met.

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

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

The college is committed to creating a balanced atmosphere of academic, cultural and sports activities for the overall personality development of its students.

**Cultural Activities:** The college encourages students to actively engage in cultural events such as annual gatherings, Fresher's Day, and intercollegiate competitions. The campus features an open auditorium (444.4 sq. meters), a well-equipped stage (70.342 sq. meter) with a sound system, music system, light system and various allied equipment, seminar halls, and temporary pandals for diverse cultural activities. A dedicated storeroom efficiently manages equipment related to these events.

**Sports Activities:** The sports facilities, encompassing a 2.5-acre playground and various outdoor and indoor game arenas, facilitate numerous tournaments and competitions. Outdoor spaces are tailored for football, basketball, volleyball, and more. Indoor facilities for Carrom, Chess, and Table Tennis are also provided, ensuring a well-rounded sporting experience.

**Gymnasium and Yoga:** The 3500 sq feet gymnasium, inclusive of machine exercises, free weight exercises, aerobics, and Zumba, is available to students and staff at concessional rates. A separate hall for yoga and meditation complements our commitment to overall well-being.

For visual documentation, geotagged photos of our sports facility and gymnasium can be accessed is attached herewith.



File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

#### 4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

35

File Description	Documents
Upload any additional information	No File Uploaded
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

623.30

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	No File Uploaded

### 4.2 - Library as a Learning Resource

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

The institute has a state-of-the-art centralized library. Since 2009, the library has been fully automated using the advanced Integrated Library Management software, SLIM 21 (System for Library Information & Management-Version 3.9.0.35737). This comprehensive system facilitates Acquisition, Cataloging, Circulation, and Serial control, incorporating barcode-based book issue and return practices.

The library's digital transformation includes web-based access via OPAC (Online Public Access Catalog) both on and off-campus. Additionally, a link to the Digital Library is seamlessly integrated into the Library OPAC. Students receive timely email alerts for book return deadlines, while faculty are notified of new recommended arrivals. Notably, our proactive approach recognizes and rewards student engagement; annually, the ten most active students receive increased book borrowing limits for a year, fostering a culture of continual learning and exploration.

- Name of the ILMS software : SLIM 21
- Nature of automation (fully or partially) : FULLY
- Version : 3.9.0
- Year of automation : 2009

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

**4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources**

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	No File Uploaded

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

36.82

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	No File Uploaded
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 - Usage of library by teachers and students (footfalls and login data for online access)

##### 4.2.4.1 - Number of teachers and students using the library per day during the year

235

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

The college has a Data Center with Fortigate FG600E Firewall for bandwidth management, web site security purposes. The bandwidth management helps to provide sufficient bandwidth to access the Internet. With the help of a firewall we are able to block unnecessary sites , as well as filtering sites that are not useful for academics. Hence all the students and staff can access the Internet for education purposes only.

The college has licenses of Seqrite EndPoint Security for windows based machines. Using Seqrite antivirus, we are able to block the viruses, phishing sites, malware attacks, etc. This helps our windows machine be safe from different types of network attacks. This Seqrite server is managed centrally for new updates. Hence the less bandwidth will be consumed while downloading patches from the original web site.

The Institution has an IT policy covering wi-fi, cyber security for updating its IT facilities. The scanned copy of IT Policy is attached herewith.

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

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2710	1701

File Description	Documents
Upload any additional information	No File Uploaded

**4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus** A. 250 Mbps

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	No File Uploaded

**4.3.4 - Institution has facilities for e-content development:** Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing E. None of the above

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	No File Uploaded

#### 4.4 - Maintenance of Campus Infrastructure

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

680.04

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	No File Uploaded

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

The institution has a comprehensive policy and system in place for the maintenance and utilization of its physical, academic, and support facilities.

Classroom maintenance is overseen by an institutional team, ensuring an optimal environment for various activities, including lectures, examinations, and cultural events.

Laboratories, each managed by a lab-in-charge, undergo routine checks and calibrations. A systematic logbook documents maintenance activities, with timely resolutions by the technical team. Department peons manage laboratory cleanliness.

The library spans 714 sq. mts., offering a diverse collection, including technical and competitive exam books. Regular updates involve faculty reviews and approval processes, and a reading hall is open to students throughout the week.

The computer infrastructure, managed centrally, ensures preventive maintenance, supported by an IT policy emphasizing standards, security, and responsible use.

The sports complex, featuring a 2.5-acre playground, undergoes regular maintenance for various sports activities, including inter-campus competitions and coaching sessions.

The in-house electricians handle electrical repairs.

The college's physical infrastructure is well-maintained, with outsourced agencies handling cleanliness, water tank, sewage chamber, and lift maintenance.

This holistic approach ensures a conducive and well-maintained environment for both academic and extracurricular activities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1272

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	No File Uploaded

#### 5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

167

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

**5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology**

**A. All of the above**

File Description	Documents
Link to Institutional website	<a href="https://www.cumminscollege.org/student-corner/student-activity/capacity-development-and-soft-skills-development-activities/">https://www.cumminscollege.org/student-corner/student-activity/capacity-development-and-soft-skills-development-activities/</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	No File Uploaded

**5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year**

950

File Description	Documents
Any additional information	No File Uploaded
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 adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

B. Any 3 of the above

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

## 5.2 - Student Progression

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

611

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 5.2.2 - Number of outgoing students progressing to higher education

15

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

### 5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

#### 5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

43



File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded

### 5.3 - Student Participation and Activities

#### 5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

22

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The college has an independent student council. It has 55 posts such as technical secretary, placement representative, sports secretary, cultural secretary, treasurer, library representative. Students nominate themselves for these posts. The technical secretary along with student volunteers organizes annual tech-fest 'Innovation', in which various workshops and seminars are organized. The placement cell representatives help the Training and Placement Officer (TPO) in various placement activities. The issues or problems faced by students were taken care of by the TPO and student cell representatives. The sports secretary organizes an intercollegiate sports tournament, 'Pentacle' and the cultural secretary plans and executes different cultural events such as 'Gandhaar-Annual Cultural program' and art exhibitions. Every year, under the leadership of the magazine secretary publishes the college magazine 'Kshitij'. The University Representative, General Secretary and Cultural Secretary are the members of the Internal Quality Assurance Cell (IQAC) of the college. Anti Ragging Committee is responsible for prevention of ragging in institution. The Internal Complaint Committee looks into Prevention and Prohibition of Sexual Harassment of Women Employees and Students and Redressal of Grievances in Technical Institutions. The student representatives in the Department Advisory Board (DAB) participate in the planning and execution

of different department activities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

### 5.3.3 - Number of sports and cultural events / competitions organised by the institution

3

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The "Cummins College Alumni Association, Pune" is officially registered in October 2019. The objective is to strengthen the association between our alumni, the society and the college. The Alumni association aims to enhance the Institute - Industry - Alumni connect which caters to the requirements of students and the industry along with evolving the strong bond with alumni from various fields. There are fifteen life members in the Managing Committee of the association. These members are supported by the alumni coordinators of the respective departments for the smooth and successful functioning of the association. The General Body meeting is scheduled twice annually. Alumni Association has a dedicated website with link <https://alumni.cumminscollege.org/> . The Alumni portal is used extensively to post the achievements, information about notable alumni, events conducted, job opportunities in organizations of alumni, etc. The alumni support the college in many ways: Delivering the guest lectures and webinars for guiding the college students, Guiding in hands on Workshops on technical and nontechnical subjects, Examining the students in end semester oral and practical exams , Helping the students to get

internship and placements, Working as Board of Studies members, Contributing in syllabus designing, Mentoring the project groups, Supporting the needy students financially.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

**5.4.2 - Alumni's financial contribution during the year**

D. 2 Lakhs - 5 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

#### Vision of Institute

To be a globally renowned institute for imparting quality education and to develop women leaders in engineering and technology

#### Mission of Institute

To develop women professionals who are academically and technically competent with strong professional ethics.

#### Perspective Plan:

The college has developed its perspective plan through a rigorous process of internal discussions. Senior faculty members, Heads of departments, Deans are involved in drafting the perspective plan. Plan is reviewed by governing body members and external advisors from industry and academia. Considering the inputs of governing body members and advisors, the plan is modified. Following parameters are considered while finalizing the plan

1. Strengths and weaknesses of the institute
2. Recent transition of college from affiliated college to autonomous affiliated college
3. Students' inclinations and aspirations
4. Industry feedback
5. Achievable outcomes in five years

Plan is divided in three categories or contexts

1. Teaching-Learning & Evaluation
2. Readiness for Careers
3. Research and Extensions

Participation of faculty members in decision making:

The college supports decentralization and encourages participation of faculty members in decision making. Faculty members are members of various statutory bodies and administrative committees like the Governing body, Academic Council, College Development Committee, IQAC, Board of Studies, Industry Institute Partnership Cell (IIPC), Intellectual Property Cell (IPC), Purchase, etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The college practices decentralization and encourages participative management by involving faculty members at various levels in organizational structure. Head of the departments, deans play vital roles in management and administration of the college.

Most of the faculty members are involved in academic, co-curricular and extra-curricular activities in the form of coordinators and incharges.

Annual Budget Preparation:

**Fig.: Annual Budget Preparation of the College**

The budget preparation for the next financial year is initiated in advance.

- Each department prepares a budget by gathering the requirements from the department staff. The department considers lab upgradation, software tools required, student project activities and other recurring expenses related to the department while preparing the budget.
- The students council and faculty coordinators propose the budget for co-curricular and extracurricular activities.
- For maintenance and upgradation of IT infrastructure, budgetary requirements are proposed by system/network administrators.
- Budget is also proposed for library, sports, training and placement activities by the respective section heads.

By considering all the proposals and requirements together, the accounts officer prepares an annual budget. The budget is proposed, discussed and finalized in the finance committee meeting. The Governing Body approves the budget, and if required suggest the changes.

File Description	Documents
Upload strategic plan and deployment documents on the website	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	Nil

**6.2 - Strategy Development and Deployment**

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The college has developed its perspective plan through a rigorous process of internal discussions. Deans, Heads of departments and Senior faculty members are involved in drafting the perspective plan. The plan is reviewed by governing body members and external advisors from industry and academia.

The plan is divided in three categories or contexts

1. Teaching-Learning & Evaluation
2. Readiness for Careers
3. Research and Extensions

Considering the aspirations of the stakeholders, the goals for every context are set. According to the goals, action points are defined. To evaluate execution of the plan, success metrics are also defined.

The teaching learning context of Perspective plan is aimed at implementing pedagogies to promote student centric learning processes.

**Pedagogy Cell Activity:**

The pedagogy cell consisting of faculty members from each department is formed to investigate and disseminate the modern trends in engineering education.

Members of the cell meet regularly to discuss different pedagogy practices adopted or practiced in various institutes. Different activities are conducted like FDP, sessions etc. to increase awareness among the faculty members to enhance teaching learning processes. Pedagogy cell also started Cummins College Digest of Engineering Education(CCDEE) as a platform to display the methodology and outcomes of pedagogical practices experimented by faculty members.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.cumminscollege.org/wp-content/uploads/2023/12/Perspective-Plan22-23.pdf">https://www.cumminscollege.org/wp-content/uploads/2023/12/Perspective-Plan22-23.pdf</a>
Upload any additional information	No File Uploaded

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

The college functioning is guided by different statutory committees like:

**Governing Body:** The college has constituted the Governing Body as per AICTE and UGC norms functions for approval of new programmes of study, the annual budget and examination fees, certificate program fees.

**College Development Committee:** It consists of representatives from management, teaching and non-teaching staff, IQAC coordinator and the student council. The Principal is the member secretary. Its functions are to prepare an overall comprehensive development plan of the college, prepare an annual calendar, recommend new academic courses and the creation of additional teaching and administrative posts.

**Internal Quality Assurance Cell:** It defines development and application of quality benchmarks (SWOT), parameters for various academic and administrative activities of the institution; perspective plan. It performs different audits, collects and analyzes the feedback.

**Human Resource Development Committee:** Heads of the Departments, Management Committee representatives and Principal are the members of the HRD Committee. Decisions about appointments, leave sanction, career advancement are taken by the committee. This committee also acts as Grievance Committee for teaching as well as non-teaching staff members.

The Service Rules, Code of Conduct, Ordinances, Procedure, Recruitment policies and promotional policies are as per University and AICTE regulations.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://www.cumminscollege.org/about-us/organization-structure/">https://www.cumminscollege.org/about-us/organization-structure/</a>
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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

A. All of the above

Support Examination	
File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	No File Uploaded
<b>6.3 - Faculty Empowerment Strategies</b>	
6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression	
<p>The college provides welfare measures as follows.</p> <ul style="list-style-type: none"> <li>• Gratuity as per the rules.</li> <li>• Maternity and other medical leaves as per the rules.</li> <li>• Group insurance</li> <li>• Mediclaim policy</li> <li>• Employees Provident Fund (EPF) scheme</li> <li>• Registration fees to all the staff for attending workshops, seminars, etc.</li> <li>•</li> </ul> <p>For teaching faculty the college provides</p> <ul style="list-style-type: none"> <li>• Career Advancement Scheme (CAS)</li> <li>• Full paid Phd study leave scheme</li> <li>• Incentives for publications in indexed journals and funded projects</li> <li>• Registration fees for presenting research work in national and international conferences.</li> </ul>	
File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://cumminscollege.org/wp-content/uploads/2019/03/ServiceRulesforTeachersOctober2017.pdf">https://cumminscollege.org/wp-content/uploads/2019/03/ServiceRulesforTeachersOctober2017.pdf</a>



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

61

File Description	Documents
Upload any additional information	No File Uploaded
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 programmes organized by the Institution for its teaching and non-teaching staff during the year**

05

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	No File Uploaded

**6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)**

111

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	No File Uploaded

**6.4 - Financial Management and Resource Mobilization**

6.4.1 - Institution conducts internal and external financial audits regularly

The internal and statutory audits are conducted every year.

In the internal audit vouching, receipts, ledger scrutiny, depreciation, grant utilization, fees reconciliation etc. are scrutinized.

In Statutory audit, external auditors check financial documents and files.

Auditors' reports are discussed in the finance committee as well as in management meetings. The objections and suggestions are reviewed in these meetings and accordingly actions are taken. No major objections have been raised by the auditors in the last few years.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

107.73

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The Cummins College is an unaided college and the primary income source for the college is fees collected from students. The government authorities approve the fees.

Based on the fees every year the budget is prepared considering operational expenses and development needs. The collected

tuition fees are utilized to meet the operational expenses. However, if any shortage of funds, due to non-receipt of timely fees, parent trust supports the college to meet the expenses. Considering the requirements the institute requests for the support of the parent trust.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

Internal Quality Assurance Cell (IQAC) sets and reviews overall quality benchmarks in academic and administrative activities of the college. IQAC initiated a variety of quality assurance strategies such as Question Paper Audit, Inclusion of Open-Ended Assignments( OEAs) in laboratory courses, Academic Audit, Feedback mechanism, etc.

### Question Paper Audit:

IQAC conducts a question paper audit based on following points:

- The template, language and time allotted to the students
- The difficulty levels, syllabus coverage and mapping along with the marks distribution.
- Mapping of COs to the questions
- Overall coverage of all the COs during ISE and ESE
- Inclusion of higher cognitive levels

### Inclusion of Open Ended Assignments in lab courses:

To improve the self learning component of students, the IQAC insists on the inclusion of OEAs in the laboratory courses. In OEAs, only the Aim is given whereas the materials, methods and answers are open. As the benchmark, it is decided that at least one open ended assignment should be included in the laboratory course. The auditors check the blend of laboratory assignments

as demonstration, exercise, structured and OEAs for each course.

Based on the audit reports of the individual courses an analysis is presented and discussed in the IQAC meeting.

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

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

IQAC initiates, collects, analyzes, presents and reviews the feedback from stakeholders in IQAC meetings. The reviews are done on academic structure, research and innovation activities, Pedagogy cell activities, students and faculty achievements, students satisfaction survey and quality audits in the college.

#### Academic Audit:

The departmental Academic Audit is conducted annually by involving an internal auditor along with an external auditor. It is based on the following criteria -

- Quality of Teaching Learning Processes
- Co-curricular and Extra-curricular activities
- Student Performance analysis
- Faculty Contributions
- Additional facilities created for enhancing quality of teaching / learning

The academic audit report with suggestions of auditors is submitted to the IQAC.

#### Teaching Learning Evaluation Quality Reviews:

To improve the effectiveness and quality of teaching-learning-evaluation, different reviews are taken by IQAC.

#### Reviews on Result Analysis:

The students' performance in the examinations is discussed and reviewed regularly.

**Review on Student Feedback on Teaching:**

The feedback is obtained on teaching for every course. The feedback is shared with faculty members. The Principal and the HoD give suggestions to the faculty member for improvements.

**Student Satisfaction Survey:**

The SSS is discussed and reviewed in IQAC meetings. Based on the analysis, action plans are decided for further improvements.

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

**6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)**

**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://www.cumminscollege.org/wp-content/uploads/2023/12/Annual-Activity-Report-2022-23.pdf">https://www.cumminscollege.org/wp-content/uploads/2023/12/Annual-Activity-Report-2022-23.pdf</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	No File Uploaded

## 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

For the year 2022-23, a Gender sensitization Action plan was prepared. The IEEE student chapter, the National Service Scheme Unit (NSS Unit), and the Sports department actively arranged various events and successfully executed the plan which promoted gender equality.

Under this, the following events were conducted:

Sports department arranged a workshop for the physical and mental fitness of the girl students. Under this the students were introduced to various Asanas, Suryanamaskar, Meditation and Pranayama. All students actively participated in all the above activities.

For the development of physical and managerial skills of the girl students, the sports department organized Sports tournaments. The event was totally managed by the girl students and active participation was seen.

The IEEE students chapter arranged a talk for development of Entrepreneur mindset among girl students and made them aware of funding required for a startup. Another session was arranged for the girl students which helped them in cracking the off-campus internships. This was especially meant for the students who did not get an on campus internship.

NSS unit arranged a health checkup camp for girls for checking HB, Sugar and Breast cancer screening.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.cumminscollege.org/wp-content/uploads/2023/12/7.1.1-a.pdf">https://www.cumminscollege.org/wp-content/uploads/2023/12/7.1.1-a.pdf</a>

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

A. Any 4 or All of the above

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

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

The facilities provided by the Institution for the management of degradable and non-degradable waste are as follows:

- Solid waste management - Solid waste is collected separately in Wet and Dry dustbins on the campus. Biodegradable and non-biodegradable waste is segregated and biodegradable waste is used to prepare compost. A Biogas plant has been installed on campus. The waste generated by leaves is shredded through a shredder machine and further used for composting. For the disposal of sanitary napkins, an Incinerator has been installed on the campus.
- Liquid waste management- Wastewater / recycled water is used for gardening in the college premises.
- Biomedical waste management - There is no bio-medical waste generated in college.
- E-waste management - A periodical write-off procedure is

executed for the management of E-waste and computers. They are given to outside vendors for disposal.

- Waste recycling system - 1. Wastewater is recycled and utilized for watering the garden and trees.

2. A Biogas plant has been installed on campus which utilizes food waste from the canteen and hostels. Biogas generated is used for cooking in the hostels.

Hazardous chemicals and radioactive waste management- There is no hazardous chemical and radioactive waste generated in the Institute

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**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**

A. Any 4 or all of the above

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

**7.1.5 - Green campus initiatives include**

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

A. Any 4 or All 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**

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

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

**7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy 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**

**A. Any 4 or all 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 a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms**

**C. Any 2 of the above**

**and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.**

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing 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, socio-economic and other diversities (within a maximum of 200 words).

- The annual cultural fest "Gandhaar" was celebrated, which had various intra-collegiate activities like Cultural dance performances, Traditional day celebrations, Painting, Sketching, Rangoli, Group dance, Faculty performance, Open mic, Classical event, Natak, Group singing, Poem recitation, Quiz, etc which gives them a chance to spread awareness about Indian culture and heritage. This also creates an inclusive environment in the college.
- Students from different regions of the country like North India, Northeast India, etc took admission to our Institute. J & K students got admitted under a special admission scheme.
- This year students performed the play "Charane". It won prizes in the renowned Marathi drama competitions

"Purushottam Karandak", "PNG Karandak", "Bharat Karandak" and "Atal Karandak". Another Play "Takto Ek Sawal" was Selected in Top 9 out of 25 colleges in the Symbiosis karandak.

- An art exhibition was organized to provide a platform to the artists to exhibit their art.
- The annual college magazine 'Kshitij' was published.
- The institute provided financial assistance to students coming from weak financial backgrounds. For the students coming from rural backgrounds grooming sessions were arranged under the program 'Employability Enhancement '.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

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

The institution sensitizes the students and the employees to the constitutional obligations of values, rights, duties, and responsibilities of the citizens and constantly works to nurture them as better citizens of the country through various activities.

- The institution took many initiatives like conducting awareness campaigns, organizing orientation programs, training programs, seminars, workshops, and guest lectures to sensitize human values and constitutional obligations.
- 26th January was celebrated by hoisting the flag. Air Marshal Pradeep Padmakar Bapat (Retd.) addressed the students with a motivational speech.
- Azadi ka amrut mahotsav was celebrated and flag hoisting ceremony took place in the presence of the chief guest Brigadier V. S. Toley(Veteran). The students and the

staff of the institute took part in the "Har Ghar Tiranga "campaign.

- The Institute celebrated the "National Voters Day" by taking the voters day pledge.
- Students participated and have won prizes in National level sports and Games.
- Student council elections for different posts were held.
- NSS cell conducted various programs like: World Environment Day, Constitution Day Celebration, Voters Day Celebration, Shiv Swarajya Din, Cleaning and Rally under Swachh Amrit Mahotsav, National Unity Day, River Cleaning Drive , Plastic collection Drive etc.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
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 sensitization 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 Annual awareness programmes on the Code of Conduct are organized**

**A. All 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 programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

The institution organizes commemorative days, events and festivals throughout the academic year. All these activities have become instrumental and help in building today's youth. Importance of national festivals and events preach to them and remind them about our country's cultural heritage and history.

1. Independence day (15th August), Republic day (26th January)- Every year the institute celebrates Independence Day and Republic Day by hoisting the national tricolor. Persons from defense background are invited as a chief guest who inspire the students and faculty with inspirational speech.

2. National voters day- On 25th January election oath taking programme is organized for the college students and staff. The Electoral Literacy Club was established to conduct awareness campaign activities for new voters.

3. International Women's day (8thMarch)- On the occasion of International women's day events like Marathon for women, Yogasana for PCOD and Thyroid, Free basic Dental check-up, Pathology test, etc. are conducted.

5. World environment day (5th June)- Various events like tree plantation, campus cleaning drive etc, are done by staff and students.

6. International Yoga day (21st June)- Every year the Institute organizes a 7 day yoga program for all the students, staff and office employees.

7. Teachers day (5th Sept) - We celebrate Dr. Radhakrishnan's birthday as Teacher's Day with great fervour. The students organize a program for the teachers.conducting the Student Council election every year.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

### Best Practice 1:

Innovative Project Competition:- Kedar Tumne Award

### Best Practice 2:

Inclusion of Interdisciplinary courses in the engineering curriculum.

File Description	Documents
Best practices in the Institutional website	<a href="https://www.cumminscollege.org/wp-content/uploads/2023/12/7.2.1_-Best-Practices.pdf">https://www.cumminscollege.org/wp-content/uploads/2023/12/7.2.1_-Best-Practices.pdf</a>
Any other relevant information	Nil

## 7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

The Institute has bestowed tremendous thrust and priority in

building women technical leaders by imparting quality education, which is in line with the Vision of the Institute.

The curriculum is designed not only to impart technical knowledge but also to foster critical thinking, problem-solving, and leadership skills. The institution's faculty members are experienced professionals who bring real-world insights into the classroom, ensuring that students are well-prepared for the challenges of the rapidly evolving technologies.

Internships play a vital role in shaping students into global tech leaders. In AY 2022-23, around 650 students secured internships, out of which, 5 students received International internships. These internships not only enhance technical skills but also cultivate a global perspective.

Membership in professional societies further distinguishes the institution's approach. Following are the professional societies: IEEE, ASME, CSI, ACM-W, SWE, ISA, SAE. Students are encouraged to join, actively participate and arrange the programs.

The institution's commitment to cultivating tech leaders is evident in the success stories of its alumni, with influential figures in the tech industry. These graduates serve as ambassadors for the institution.

In summary, the institution's performance in building technical leaders through comprehensive training, international exposure, and active engagement with professional societies is commendable.

File Description	Documents
Appropriate link in the institutional website	<a href="https://www.cumminscollege.org/wp-content/uploads/2023/12/7.3-web-links.pdf">https://www.cumminscollege.org/wp-content/uploads/2023/12/7.3-web-links.pdf</a>
Any other relevant information	No File Uploaded

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

1. Inclusion of Six months Industrial internship in the curriculum

Incorporating a six-month industrial internship into a curriculum can be incredibly beneficial for students. Few of the benefits are: Real-World Experience, Skill Development, Networking Opportunities, Career Readiness, Exploration of Interests, Enhanced Resume/CV etc. Few challenges are: availability of suitable industry partners, resources, and the impact on the overall curriculum and graduation timeline. Additionally, logistical aspects such as compensation for students, mentorship availability, and evaluation methods need to be carefully planned to ensure a successful and meaningful internship experience.

## 2. Curriculum revision as per NEP guidelines

Revising the engineering curriculum in line with the National Education Policy (NEP) guidelines can offer several advantages like Holistic Skill Development. Engineering programs can integrate a broader range of subjects, including liberal arts, humanities, and social sciences, fostering well-rounded professionals equipped with diverse skills beyond technical knowledge. Other advantages like Interdisciplinary Learning, Focus on Critical Skills, Flexible Curriculum, Ethical and Social Perspectives, Adaptation to Industry Needs, Research and Innovation etc can be a major advantage to the students. However, implementing these changes requires careful planning, faculty development, infrastructure upgrades, and support from educational institutions and regulatory bodies, Collaborating with industry partners for internships, projects, and mentorship.