



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution		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		02025311100
• Alternate phone No.		02025311000
• Mobile No. (Principal)		9225517613
• Registered e-mail ID (Principal)		principal@cumminscollege.in
• Address		Karvenagar
• City/Town		Pune
• State/UT		Maharashtra
• Pin Code		411052
2.Institutional status		
• Autonomous Status (Provide the date of conferment of Autonomy)		09/03/2016
• Type of Institution		Women
• Location		Urban

• Financial Status	Self-financing
• Name of the IQAC Co-ordinator/Director	Dr. Vikram Athalye
• Phone No.	02025311172
• Mobile No:	9604339640
• IQAC e-mail ID	vikram.athalye@cumminscollege.in
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.cumminscollege.org/wp-content/uploads/2021/06/2019-20-AQAR.pdf
4.Was the Academic Calendar prepared for that year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.cumminscollege.org/student-corner/academic-calendar

5.Accreditation Details

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

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
Institution	'Prayasshala ' under Nidhiprayas Scheme	DST	21/09/2017	Direct provision of equipment (Rs. 1 Cr.)

8.Provide details regarding the composition of the IQAC:

<ul style="list-style-type: none"> • Upload the latest notification regarding the composition of the IQAC by the HEI 	View File
9.No. of IQAC meetings held during the year	2
<ul style="list-style-type: none"> • Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes
<ul style="list-style-type: none"> • If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded
10.Did IQAC receive funding from any funding agency to support its activities during the year?	No
<ul style="list-style-type: none"> • If yes, mention the amount 	
11.Significant contributions made by IQAC during the current year (maximum five bullets)	
1. Faculty Development Workshop for online conduction of the teaching-learning process during COVID pandemic	
2. Development of a format for question paper audit as per the quality benchmarks	
3. Development of a format for inspecting the autonomy levels in the lab courses as per the quality benchmarks	
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:	

Plan of Action	Achievements/Outcomes
<p>Organization of a faculty development workshop to address the challenges faced in the online teaching-learning process.</p>	<p>A 1-week workshop entitled "Use of MOODLE as Learning Management System" was organized by the pedagogy cell of the college under the guidance of IQAC.</p>
<p>Question Paper Audit: Formation of an institute-level team of auditors. Conduction of audit of the theory courses from A. Y. 2019-20.</p>	<p>The 10-criterion question paper audit format was used by the team of auditors to conduct the audit of the evaluation scheme of 150+ theory courses. The audit process enabled observations related to the quality benchmarks set for the question papers.</p>
<p>Inspection of the autonomy level in the assignments of the lab courses: Conduction of inspection of the OEAs in the lab courses from A. Y. 2019-20.</p>	<p>A format for inspecting inclusion of OEAs in the lab courses was developed. It was used by the team of auditors to find out the percentage of OEAs for each of the programmes. This process enabled observations related to the quality benchmark set for the percentage of OEAs in each programme.</p>
<p>13. Was the AQAR placed before the statutory body?</p>	<p>No</p>
<ul style="list-style-type: none"> Name of the statutory body 	
<p>Name of the statutory body</p>	<p>Date of meeting(s)</p>
<p>NIL</p>	<p>Nil</p>
<p>14. Was the institutional data submitted to AISHE ?</p>	<p>Yes</p>
<ul style="list-style-type: none"> Year 	

Year	Date of Submission
2021	30/11/2021
15.Multidisciplinary / interdisciplinary	
16.Academic bank of credits (ABC):	
17.Skill development:	
18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)	
19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):	
20.Distance education/online education:	

Extended Profile

1.Programme

1.1 8

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 2672

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 683

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3

2650

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

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1

160

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2

155

Number of full-time teachers during the year:

Extended Profile

1.Programme	
1.1	8
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1	2672
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	View File
2.2	683
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3	2650
Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1	160
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	155
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3	154
Number of sanctioned posts for the year:	

4. Institution

4.1	1
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	

4.2	34
Total number of Classrooms and Seminar halls	

4.3	1555
Total number of computers on campus for academic purposes	

4.4	18,27,32,742/-
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.

The curricula developed and implemented follows AICTE and UGC Guidelines. The College has defined and revised the curriculum of undergraduate and postgraduate level engineering programs in the year 2020-21. The revision was carried out based on local, national, regional and global developmental needs. These needs are identified by taking feedback from stakeholders like students, Alumni, employers. Also the study of global industrial trends and

areas of research were considered while revising the 2020-21 syllabus.

Salient features of the revised curriculum:

1. Inclusion of 6 months internship in curriculum
2. Expanded list of options for programme electives.
3. Multidisciplinary course options are available for open electives.
4. Increased laboratory sessions.
5. Introduction of honors and minors programs.
6. Inclusion of courses as per the latest trends in engineering and technology.

For Example. Data science, Electric vehicles.

M.Tech programme with specialization in Artificial intelligence is introduced in the year 2020-21.

Institute works with an outcome based education framework. Each program has defined program outcomes as well as program-specific outcomes. To attain stated PO's and PSO's referring to approved programme structure, course outcomes are defined and that forms reference for defining course content.

2020-21 revision of syllabus and introduction of new courses enable the institute to remain in sync with global & national trends and subjects of contemporaneous relevance.

File Description	Documents
Upload additional information, if any	View File
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	View File
Details of syllabus revision during the year	View File
Any additional information	View File

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

387

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

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

26

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

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

8

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

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 college has been working for the overall development of the students. In the year 2020-21 the revision of curriculum was carried out where courses related to Professional Ethics, Human values, Environment and Sustainability are introduced. AICTE guidelines are considered to decide the percentage of courses related to above topics. More options for program and open electives were offered which are directly connected with overall development of the students. Students are sensitized about human values, professional ethics and responsibilities towards society and nation with the help of two courses Universal human values-I and II. These courses help the students to ensure sustained happiness and prosperity which are core aspirations of all human beings.

Some more courses related to professional ethics and human values at different programme year at the B.Tech. curriculum are:

Women and well being, Professional ethics and Etiquettes, Yoga and Meditation, Leadership and personality Development, Employability skill development, Entrepreneurship Development, Intellectual property rights, Professional and societal Awareness for Engineers.

Courses addressing environment and sustainability are:

Sustainable Engineering, Environmental Instrumentation, Green computing, Renewable energy sources.

At the final year B.Tech level students also learn different aspects of environment and sustainability as a part of curriculum. Further, they also get an opportunity to learn and explore these

aspects through internships and projects.

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	View File
Any additional information	View File

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

3

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

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

831

File Description	Documents
List of students enrolled	View File
Any additional information	View File

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

1902

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

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
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File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.cumminscollege.org/internal-quality-assurance-cell/
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following	C. Feedback collected and analysed
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File Description	Documents
Provide URL for stakeholders' feedback report	https://www.cumminscollege.org/internal-quality-assurance-cell/
Any additional information	View File

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

635

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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)

251

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

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. There are multiple avenues made available to the students to explore their potential in academic, co-curricular, extra-curricular and related activities.

Methodology to support slow learners: Provision of online resources, arrangement of virtual meetings, "Garnishing talent program" for improving communication skills

Methodology to encourage advanced learners:

Advanced learners can learn beyond the curriculum through curricular and extracurricular activities. Their abilities are motivated and their learning is not restricted to curriculum structure. Some examples of the processes include --provision of Major and Minor programmes, Assignments with challenging problem statements, Assistance for participating in technical Events and competitions, and for innovation, encouragement for participation in student chapters of professional bodies

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
24/03/2022	2672	155

File Description	Documents
Upload any additional information	View File

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:

Participative Learning: -- through --Flipped Classroom, Quizzes, Case study-based learning

Experiential learning:-- through --Internship, Major Project (for Final Year students), Laboratory experiments/sessions, Workshops for Students, participation in technical competitions, Problem based learning and mini-projects

Seminar: As a part of seminar activity, self-learning ability is developed in students. Students also learn to effectively document, communicate and present the various aspects in the selected topic.

Tutorials: Tutorial sessions are conducted for students batch wise. Typical batch size is around 20 students. Using google meet platform, tutorial sessions were conducted.

File Description	Documents
Upload any additional information	View File
Link for additional Information	NA

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

Teaching-learning evaluation is a prime component for all educational institutes. Institute promotes the use of different ICT tools. Faculty members explore the applicability of specific tools to respective theory and laboratory courses. To get the advent of new technology and in this pandemic, a situation made us work on new normal condition as to use ICT tools not only for teaching-learning but also for evaluation as well.

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

Classroom, Moodle, Youtube channel, MOOC courses conducted by NPTEL/ SWAYAM/ COURSEERA, Virtual Lab, electronic resources from library (such as e-journals, e-books), Use of Software tool for Concept Building, Video clips and Animation

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://docs.google.com/document/d/1Dn0ePKWiJVH9JskuxtZiTfrXZPF0opNz/edit?usp=sharing&oid=102080464532494190635&rtpof=true&sd=true
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

119

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

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 programs. It is approved by the principal and released by the dean 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, dates of start/end of the semester, in the semester and end semester examinations, summer term, holidays, etc. The academic calendar comprises of detailed schedule in terms of week slots for conduction and result declaration of in semester examinations and ends 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, curricular, co-curricular activities are taken into consideration at the

department level. In line with the academic calendar of the institute, every program schedule their faculty development programs, student workshops, co-curricular and extracurricular activities in the department's academic calendar.

Every faculty follow the academic calendar and plans accordingly their Teaching 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 information about lecture plans, teaching-learning methods, mode of conduction of in-semester examinations as assignments, quizzes, presentations, etc.

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

2.4 - Teacher Profile and Quality

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

155

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

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

55

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	View File
Any additional information	View File

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

1916

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

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

31

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

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

348

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

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:

Academic Performance of the students is assessed by In-semester

Examination (ISE) of 50 marks and End- semester Examination (ESE) of 50 marks. The faculty evaluates the answer sheets of both ISE- T2 and ESE via a digital evaluation system (Ion Dvs module).

2. Processes integrating IT:

- The college has adopted the EMS module- Ion EMS (<http://www.ioncudos.com/>) examination Management System, Ion DVS for digital evaluation.
- Every student has been provided an account on the EMS module. The module can be accessed via the Ion app on mobile by the students.
- Evaluation of ESE answer sheets is carried out via a digital evaluation system (Ion Dvs module).
- Results are made available to the students on the Ion student App.

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.
- The assessment of laboratory courses with In-Semester evaluation is in the form of practical assignments performed by students throughout the semester.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	NA

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

Course outcomes for all the courses for all the programs are displayed on the college website as well as in the laboratories. Program outcomes are displayed at the institute website, key locations in the institute, and department offices.

Course outcomes are defined by using appropriate action verbs defined by revised Bloom's taxonomy. They are discussed with the students in the lecture, tutorial, and laboratory sessions. Course instructors, mentors create awareness about the course outcomes amongst the students and the importance of attaining course outcomes.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
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.

Direct CO attainment: Direct CO attainment for all the courses is calculated based on marks scored in SEE and CIE. Based on the percentage number of students scoring marks above the benchmark(target), direct CO attainment levels are calculated for all the courses for SEE and CIE, either both or whichever is applicable. Weightage for SEE and CIE attainment is as given in the table below.

Steps to compute direct attainment of POs and PSOs direct attainment:

- The COs of the courses are mapped to the POs and PSOs to levels 1 or 2 or 3.
- After calculating the attainment levels for the course outcomes of a particular course, the direct attainment level of the POs and PSOs is calculated by using the following formula
 - .Direct PO attainment value = Sum of [(CO-PO mapping level)/3 * (CO attainment)] for all courses / Number of CO-PO correlated courses
 - Direct PSO attainment value = Sum of [(CO-PSO correlation level)/3 * (CO attainment)] for all

courses / Number of CO-PSO correlated courses

File Description	Documents
Upload any additional information	View File
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

677

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://drive.google.com/file/d/16-d4hzAkOE_LuBEaPPZ5slQpyhRJ_2l6U/view?usp=sharing

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/2022/03/SSS-2020-21.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

Institute has state-of-the-art infrastructure and dedicated faculty over and above all the policies and norms to encourage students and faculty to perform research and innovation. A dedicated CeRIE (Center of Excellence for Research, Innovation and

Entrepreneurship) lab has latest computers and design software. Apart from such various well equipped laboratories, institute also has a huge library with large number of journal subscriptions and turnitin software.

There are certain schemes and norms of the institute to encourage faculty and students to participate in research, publish their work and generate & secure new knowledge by filing patents -- such as Incentives for Journal Publications, Incentives for Funded research projects, Research Initiation Fund, Reimbursement of Conference Registration Charges (for Faculty), Financial support for Attending Faculty Development Program (FDP), Financial support for Patent / Copyright Filing, Full paid study leave (up to 2 years) for pursuing Higher Education

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://drive.google.com/file/d/1I1hUQ3AHV_k0CWIZG1zQdz-b3rdnEf4Lf/view?usp=sharing
Any additional information	View File

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)

3.23 lacs

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

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

3

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

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)

61.94 Lakhs

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

10

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://drive.google.com/file/d/1nv3whHDjZg0DMq17YJTJaGy7ZJO-tGaN/view?usp=drive_web
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

15

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

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	View File
Paste link to funding agencies' website	Nil
Any additional information	View File

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.

Towards establishment of innovation ecosystem, as part of the curriculum, students undergo through courses like Intellectual Property Rights, Entrepreneurship Development etc.

Towards creation and transfer of knowledge various institute takes

various initiatives:

- Students clubs were formed and various innovation activities are carried out by the student clubs.

Startup and Innovation Cell: The institute has formulated 'Startup & Innovation Cell' to promote startup and innovation activities.

YUKTA: An Entrepreneurship Cell: The institute formed an E-Cell named Yukta.

College has very close association with Cummins India Ltd and Cummins Inc. Cummins India Ltd has declared Cummins College as their 'Signature Project'.

MOU has signed with CPR (Centre for Police Research), Pune, for Consultancy projects. More than 20 students and more than 5 faculty members worked on CPR projects.

Institute is one of the PRAYAS SHALA center under the NIDHI PRAYAS Scheme of DST.

Entrepreneurship Initiative by the Institute

Institute has started many initiatives for students to promote entrepreneurship mindset among students, Such as -Basic Entrepreneurship and Advanced Entrepreneurship courses, Organization of lectures, workshops, competitions under IIC and startup cell, Mentoring for prospective entrepreneurs

File Description	Documents
Upload any additional information	View File
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

17

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

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	View File
Any additional information	View File

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

31

File Description	Documents
URL to the research page on HEI website	https://www.cumminscollege.org/research
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

0.533

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

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

0.37

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NA

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

440

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

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

9

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

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

0.1

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

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	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

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

Being under the umbrella of Maharshi Karve Stree Shikshan Samstha (parent body), students and faculty members are encouraged to take up extension activities for the holistic development. Students' participation in the extension activities is through NSS, NCC and Clubs. The institute has an active NSS wing which takes up

activities like keeping campus green by conducting Tree Plantation Drive, doing Community Service by arranging/conducting Awareness Drives on Road Safety, River Cleaning, organizing various camps like Thyroid and Blood Glucose Check-up, Eye Check-up, Blood Donation and Haemoglobin Check-up etc. Every year students and the faculty members participate in various extension activities.

As a part of holistic development of the student, course is offered on Value Education, Universal Human Values and Sustainable Engineering. Guest lectures are organized by inviting external experts to sensitize on social issues like traffic regulations, voters' responsibility etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NA

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

1

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

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)

14

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

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

724

File Description	Documents
Reports of the events	View File
Any additional information	View File

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

461

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

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)

14

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	View File

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 institution has a well maintained, user friendly and resilient

infrastructure conducive to teaching, learning and comprehensive development of students.

Classrooms: There are 28 classrooms. The classrooms are equipped with adequate furniture, blackboard, projectors, fans, lights and power backup. All the classrooms are provided with LCD projectors, LAN connectivity. Every classroom has more than the required number of seating capacity.

Laboratories: The institute has 52 labs. Each department has adequate no. of labs as per the AICTE norms. There are labs to conduct practicals as per curriculum, labs for project activity and few labs for specific areas / domains and a language lab. The laboratories are kept open beyond the working hours depending on the needs of the students.

The institute has labs for design and research and has 1500+ computers.

Library : The institute library has an extensive collection of books, reference materials for satisfying the academic and research needs of the students and faculty. The library has a reading hall with a seating capacity of 180.

The information of no. of classrooms, labs, seminar halls, etc. is given below.

Sr. No.

Facilities

Count

1.

Classrooms

28

2.

Laboratories

52

3.

Computer Centers

02

4.

Research Laboratories

02

5.

Language Laboratories

01

6.

Tutorial Rooms

10

7.

Drawing Halls

02

8.

Workshops

02

9.

Seminar Halls

05

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NA

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

Cultural Activities:The students are encouraged to organize and participate in various cultural events (Gandhar, Fresher's day, Farewell party for final year students, Women's day, Talent hunt, Dance competition, etc),The college has an open auditorium / quadrangle (444.4 sq. meters), stage (70.342 sq. meter)The stage is well equipped with a sound system, music system, light system and various allied equipment. This stage is used for the annual social gathering of the college and the practice of intercollegiate cultural events.

Sport activities:The department of Physical Education in the college is well equipped with various facilities in sports and games for indoor and outdoor also. Various sports facilities are provided to the students within the campus. Numbers of tournaments & competitions are arranged by the college:playground of 2.5 acres,with several outdoor sports facilities like basketball, Box Cricket, Football, Handball, Kabaddi, Kho-Kho, Netball, volleyball,provision for indoor games such as Carrom, Chess, and Table Tennis for practice purposes,badminton court (open) of size 44 x 20 sq. ft.

Gymnasium:of total Area - 3500 sq feet formachine exercises, free weight exercises, Aerobics, Zumba.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://drive.google.com/drive/folders/1Z78QUV0pUUmq03NopRko9kaNpE73rM-F?usp=sharing

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

33

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

122.59188

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

- Name of the ILMS software : SLIM 21
- Nature of automation (fully or partially) : FULLY
- Version : 3.8.0
- Year of automation : 2009

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NA

**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	View File
Upload any additional information	View File

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

4.29

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

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

249.42

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

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 IT Policy document is attached.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NA

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2669	993

File Description	Documents
Upload any additional information	View File

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	View File
Upload any additional information	View File

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	View File
Paste link for additional information	NA
List of facilities for e-content development (Data Template)	View File

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)

621.73989

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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.

Classrooms --ICT enabled;Utilization: Lectures,Students' interactions and learning activities

Laboratory:The hardware equipment in the laboratory undergoes routine & a periodic checkups.

Maintenance:The laboratory equipment is maintained by technical and other supporting staff.

Utilization: for lab courses.

Computers:1500+ computer systems with acomputer to student ratio of1:2.62.

Maintenance -- by technical staff and AMC

- Utilization
- Computers are utilized by the students to get hands-on experience. They develop software programs, mini-projects, projects, reports etc using the computing infrastructure available in the institute.

Library

Maintenance:The write-off (weeding out) library material is carried out after the approval of respective head of departments.Books are issued many times from the library. Sometimes books binding get damaged. To increase the shelf-life of the books, rebinding of the books are carried out at regular intervals.

Utilization

- The library is open on all working days from 07.30 am to 07.30 pm. During the examination time and vacation, the library is open from 07.30 am to 9 pm.

Sports complex:

Maintenance: Regular maintenance of ground is done by a maintenance team appointed by management.

Utilization: for organizing various sports activities and for student practices.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NA

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

1244

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

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

123

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

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	https://www.cumminscollege.org/wp-content/uploads/2022/03/5.1.3-Webpage.pdf
Details of capability development and schemes	View File
Any additional information	View File

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

531

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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'	B. Any 3 of the above
--	------------------------------

grievances Timely redressal of grievances through appropriate committees

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

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

531

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

14

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

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

33

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

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

2

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

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

Student council: with 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'.

The placement cell representatives help the Training and Placement Officer(TPO) in various placement activities.

The sports secretary organizes and conducts an intercollegiate sports tournament , 'Pentacle'.

The cultural secretary plans and executes different cultural events such as 'Gandhaar-Annual Cultural program' and art exhibitions.

The treasurer along with the assistant treasurers take care of the budget planning and expenses required for all the events.

The student council along with the faculty members conducts

different events as per the academic calendar.

There are student representatives in the following committees also.

Anti Ragging Committee: Anti Ragging Committee at Cummins college is as per AICTE guideline .

It ensures compliance with the provision of AICTE guidelines and is responsible for prevention of ragging in institution.

IQAC (Internal Quality Assurance Cell) : From the students' council, the University Representative, General Secretary and Cultural Secretary are the members of the Internal Quality Assurance Cell (IQAC) of the college.

Internal Complaint Committee: considers complaints of sexual harassment of students.

Department Advisory Board (DAB) : There is a student representative in the Department Advisory Board (DAB).

Student Grievance committee: looks into the complaints lodged by any student, and redresses it as per requirement.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

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

1

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

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 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. This association serves as a platform for the general welfare of the ever growing Cummins College community and the society as a whole.

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. As a part of celebration of Teachers day, Women's Day, etc. campaigns are launched through a portal where alumni express their feelings and experiences.

The alumni support the college in following ways:

1. Delivering the guest lectures and webinars for guiding the college students
2. Guiding in hands on Workshops on technical and nontechnical subjects
3. Evaluating the projects in competitions and technical events
4. Examining the students in end semester oral and practical exams

5. Helping the students to get internship and placements
6. Working as Board of Studies members
7. Contributing in syllabus designing
8. Mentoring the project groups
9. Supporting the needy students financially

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.cumminscollege.org/alumnae/about-alumnae-association/

5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

File Description	Documents
Upload any additional information	View File

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

The vision and the mission of the Cummins College of Engineering for Women are as follows:

- 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. The following parameters were 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 teachers in decision making:

The college supports decentralization and encourages participation of teachers at different levels yet synchronous committees. Teachers are members of various statutory bodies and administrative committees like the Governing body, Academic Council, College Development, IQAC, Board of Studies, Industry Institute Partnership Cell (IIPC), Intellectual Property Cell (IPC), Purchase, etc. The teachers play critical and significant roles in the functioning and decision making in these committees.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.cumminscollege.org/organizational-structure/

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

Case study showing practicing decentralization and participative management - Annual Budget Preparation

By the end of the first academic semester, the college budget preparation for next financial year is initiated.

- Each department prepares the plan for departmental needs of recurring and non-recurring expenses.
- Each faculty member as well as laboratory assistant put forth the requirements of laboratory equipment for the upcoming lab courses. The laboratory upgradation and development needs are also taken into consideration.
- The faculty members propose a budget for research activities, industrial tours, memberships of professional societies, student projects, etc.
- 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.
- For physical infrastructure and maintenance, such as furniture, maintenance of lifts, etc. concerned staff members communicate their requirements. Accordingly, provisions are made in the budget.
- Allied departments such as library, sports, training and placement also put forth recurring and non-recurring requirements.

By considering all the proposals and requirements together, the college office prepares an annual budget. The proposed budget is discussed in the college development committee in which representatives of teaching, non-teaching staff and students are the members. With the consent of representatives and management members the budget is finalized.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
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 perspective plan of the college 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.

Activity successfully implemented based on Readiness of Careers - Career Guidance Cell

The context of readiness of careers is aimed to develop technical competency, soft skills and instill professional ethics among students. It is also aimed at providing business aspects of the technology to the students.

To counsel and guide the students for careers and various competitive exams, the career guidance cell was formed in October

2020. It consists of faculty and student coordinators from each department. To provide guidance to CCEW students about career opportunities in various fields like banking, defense, civil services, central government of India, entrepreneurship, etc., the metric decided was to arrange minimum four sessions per year. So far various sessions are conducted covering the domains like:

- Data and business analytics
- Career opportunities after GATE
- Civil Services
- Entrepreneurship
- Field of Electronics after graduation
- Opportunities in Europe

A panel discussion for readiness for the various Opportunities was also organized.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	NIL
Upload any additional information	View File

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.

Organogram of the Cummins College:

1. **Governing Body:** Representatives from UGC, Govt. of Maharashtra, University of Pune, management and industry are present on the body. The council meets minimum twice in a year and approves policies. The body is responsible for major financial, academic and administrative decisions.
2. **Academic Council:** responsible for scrutinizing and approving the curricular structure various academic programs,

regulations of co and extra curricular activities etc.

3. Board of Studies: is responsible to approve, monitor the implementation of syllabi as well as suggest improvements for all programs in the view of college objectives and the interest of stakeholders.
4. College Development Committee: responsible for the overall development plan of the college.
5. IQAC : IQAC works for the development of quality benchmarks, parameters for various academic and administrative activities, collecting and analyzing the feedback from stakeholders as well as quality audits in the college.
6. Finance Committee: It handles budget estimates, grants received, income from fees and account audits.
7. HRD Committee: As the subcommittee under CDC, the decisions about appointments, leave sanction, career advancement are taken by the committee.
8. Purchase Committee: Heads of the Departments, Management Committee representatives and Principal are the members of this committee. All purchases in the College are done with the approval of this committee.
9. Placement Committee: facilitates therecruitment procedureanddecides recruitment schedules.
10. Library Committee:Library administration policies are decided by this committee.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.cumminscollege.org/organizational-structure/
Upload any additional information	View File
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	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

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

- All staff members get gratuity as per the rules.
- Maternity and other medical leaves are given as per the rules.
- The parent institute facilitates the employees with group insurance as well as mediclaim policy.
- The college implements the Employees Provident Fund (EPF) scheme.
- The college implements the career advancement scheme (CAS).
- The full paid Phd study leave scheme is available for faculty members.
- Incentives are offered for publications in indexed journals and funded projects.
- The college pays registration fees for presenting research work in national and international conferences.
- The college pays registration fees to teaching and non-teaching staff members for attending workshops, seminars,

etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

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

32

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

7

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

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.)

438

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

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 financial audit vouching, Receipts, leisure scrutiny, depreciation, grant utilization, fees reconciliation etc.

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

Auditors' reports are discussed in management meetings. The objections and suggestions are reviewed in these meetings and accordingly actions are taken.

File Description	Documents
Upload any additional information	View File
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)

74,82,566/-

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

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 wages the fund request to the parent trust.

File Description	Documents
Upload any additional information	View File
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)

IQAC works on the quality assurance strategies for the development of overall quality benchmarks in academic and administrative activities of the college. It is responsible for collecting and analyzing the feedback from stakeholders, students satisfaction survey as well as quality audits in the college. Following are the significant incremental improvements for year 2020-21:

- Internship Programme for 3rd year B. Tech. Students.
- Question Paper Audit
- Inclusion of Open-Ended Assignments in laboratory courses

Question Paper Audit: a faculty driven, peer review model to evaluate the course question papers. Mainly, it validates learning and assessment of the students based on Bloom's taxonomy with course outcomes.

The observed extremities were discussed with the subject chairpersons by the principal, Dean QA and auditors.

Inclusion of Open Ended Assignments in lab courses:

To improve the self learning component of students, inclusion of open ended assignments (OEA) was initiated by IQAC.

In OEAs, course teachers discuss the aim of the assignment to the students. The students select data, material, choose one method from many possible solutions and perform the assignment to defend the outcome. The students put their efforts to actively participate to find different angles and possibilities.

A compiled and analytical report was prepared by Dean --QA and was discussed in the IQAC meeting.

File Description	Documents
Upload any additional information	View File
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 initiated different quality improvement strategies to strengthen the teaching learning processes.

Academic Audit:

The Academic Audit is conducted annually to review the teaching and learning process for each department individually. The Audit is conducted with one internal auditor at college level and one external auditor from other colleges. The auditor reviews the conduction of classes, tutorials and laboratories according to the institute norms. Different pedagogies practiced by the faculty members for classes and laboratories are observed.

Teachers' Feedback System:

The college collects teachers' feedback per semester for the course taught. The questions in the feedback form are framed based on

- The teachers' subject delivery, organization of topics, preparedness, discussion of practical applications.
- The teaching speed and coverage of the syllabus.
- Punctuality, availability outside the class for difficulty solving, attitude and behavior.

The feedback is taken at the end of each semester for each theory course conducted. The overall score is evaluated and the comments by the students are shared with teachers. Usually, the HoD along with the Principal discuss the lacunas and comments. They guide to overcome the areas of improvements. Thus it helps to strengthen the teaching learning process, methodologies of operations and improve the learning outcomes.

File Description	Documents
Upload any additional information	View File
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)

B. Any 3 of the above

File Description	Documents
Paste the web link of annual reports of the Institution	NIL
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

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

- The institute is all girls college & works relentlessly towards educating the women and thereby making them self-reliant. The institute imparts quality education to develop women leaders and professionals academically & technically competent with strong professional ethics.
- Percentage of women staff is more, respective & authoritative positions like Dean & HOD are allotted to them.
- Students are encouraged to enrol for activities conducted by professional societies like IEEE, ISA, ASME, SAE, ACM-W, IET, and CSI. Third and final year students are encouraged to participate in national /international conferences to publish their project work. Final year students are encouraged to participate in project competition like Pathirakha Foundation, Smart India Hackathon, and Nidhi Prayas & Competitions conducted by Persistent , Forbes Marshall etc.
- Institute organized seminars regarding issues, challenges faced by women in industries and its solutions. Subjects are also included in the syllabus highlighting gender issues.
- Seminars regarding cyber-crime and women safety have been conducted.
- The institution motivates, mentors and supports students to participate in national and international competitions that are generally male dominated. Every year students participate and secure grand success in these competitions like Robocon, Mitsubishi, Smart India Hackathons, IBM hackathon, SAE BAJA, SAE Aero Modelling etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	NIL

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
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File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

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)

- **Solid waste management - Solid waste management- Biodegradable and nonbiodegradable waste is segregated and biodegradable waste is used for compost. Approximately 650 kg of food waste is generated by canteen and hostel mess in college. For that Biogas plant has been installed on campus. Bio gas thus generated is used for cooking in hostels. We get energy equivalent to 1 to 1.5 domestic LPG cylinders. Whatever wastage is generated by leaves (approx. 300 trees in our premises), it is shredded through a shredder machine and further used for composting. Hazardous waste from the Chemistry lab is disposed of with due precautions.**
- **Liquid waste management- Recycled water is used for gardening purposes in college premises.**
- **Biomedical waste management - There is no bio-medical waste generated in college.**
- **E-waste management - E-waste is collected and given to authorized agencies (SWaCH) for dismantling and recycling as per NPCB form. Bins are set up on college campuses to collect small dimension e-waste.**

- **Waste recycling system -**
 1. Waste water utilization is done for garden trees.
 2. A Biogas plant has been installed in campus which utilizes around 660 kg of food waste from hostels. Biogas thus generated is used for cooking in hostels.
- **Hazardous chemicals and radioactive waste management- Hazardous waste from the workshop and the chemistry lab is disposed with due precautions.**

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

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
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File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	B. Any 3 of the above
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File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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**

B. Any 3 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

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,

C. Any 2 of the above

reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	View File

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 institution believes in equality of all cultures and traditions. Students belonging to different caste, religion, regions are studying in our college. Institute provides an inclusive environment for girls coming from all kinds of backgrounds.
- Students belonging to different caste, religion, regions come & stay together in the hostel.
- Cultural activities play a significant role in strengthening the interpersonal skills of students. The students are encouraged to organize and participate in various cultural events.
- Every year, students organize a cultural event 'Gandhar' which involves various intra collegiate competitions such as Treasure hunt, Cultural dance performances, Trashion which gives them a chance to spread awareness about Indian culture and heritage. This also creates an inclusive environment in the college.
- Similarly our students also celebrate the different festivals with joy and enthusiasm which help them to implant the social and religious harmony.

Our Parent institution is working towards social upliftment of women for more than 125years. Many initiatives to uplift women have been taken up like providing scholarships & boarding facilities etc. Our institute provided computers to the needy students during the Covid pandemic to attend online classes.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

- The institution takes many initiatives like conducting awareness campaigns, organizing orientation programmes, training programmes, seminars and workshops to sensitize the future leaders to inherit human values coping with the constitutional obligations.
- The institute hoists the flag during national festivals and inspires students and staff by emphasizing the duties and responsibilities of citizens.
- Every year on 25th January, an election oath taking programme is organized for the college students and staff.
- Electoral Literacy Club is established to conduct awareness campaign activities for new voters.
- Institute takes efforts in raising awareness of the importance of blood donations.Regular Blood Donation Camp in association with Jankalyan RaktaPedhi is conducted.
- The college prepared code of conduct that establishes policies & reflect core values.
- The institution encourages participation of students in Sports and Games, NCC and NSS at National level to strengthen nationwide bonds and relations.
- The institution takes pride in raising up successful leaders among the students by conducting the Student Council

election every year.

- IEEE student chapter is also involved in activities towards social responsibility such as: Mula-Mutha river cleaning, teaching aid for blind students, assisting blind students for writing exams, assisting senior citizens from old-age homes. College students along with Bhoomi Foundation teach school kids from underprivileged sectors.
- NCC students & faculty members have worked as volunteers & were deployed at the Covid Vaccination Center during the month of June/July 2021. Five Faculty Members served as an Auditor during the Oxygen Audit 2021 conducted by the Government of Maharashtra.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

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

B. Any 3 of the above

File Description	Documents
Code of Ethics - policy document	View File
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	View File
Any other relevant information	View File

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

The institution organizes all these activities throughout the academic year. All these activities of celebrations and organizations of important events, commemorative days and festivals have become instrumental and help building today's youth.

1. Independence day- Every year the institute celebrates Independence Day by hoisting the national tricolour in the main Campus as well as at samstha ground. After unfurling the flag, students sing the National Anthem and other patriotic songs. On these occasions, the Secretary of samstha also delivers Independence day messages.

2. Republic day - This day is celebrated by hoisting the national flag, followed by national anthem & speech from secretary of samstha.

3. Teachers day - We celebrate Dr. Radhakrishnan's birthday as Teacher's Day with great fervour.

4. Engineers day- We celebrate this day as an tribute to the best Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya

5. International Women's day (8th March)- On the occasion of International women's day a Marathon was conducted specially for Cummins college students and staff

6. International Yoga day - Every year the sports department organizes a 7 day yoga program for all students & staffs.

7. World environment day - various events like tree plantation, campus cleaning drive etc, are done by staff & students.

8. 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.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

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

<https://www.cumminscollege.org/wp-content/uploads/2022/05/Best-practices-2020-2021.pdf>

File Description	Documents
Best practices in the Institutional website	https://www.cumminscollege.org/wp-content/uploads/2022/05/Best-practices-2020-2021.pdf
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 Cummins college follows the pursuit set by the parent institute of Women Empowerment through Education. Our institution closely follows our mission- " To develop women professionals who are academically & technically competent with strong professional ethics".

The College has provided tremendous thrust and priority to the vision of the College i.e, to be a globally renowned institute for imparting quality education and to develop women leaders in engineering and technology. The aim is to steer the education it offers not only towards the pragmatic goal of employability, but also to build a life of the mind and sensitize and orient its students to the service of the community, in the quest for a better life for society and the world that we inhabit.

Highly meritorious students enroll in the college. Every year students participate and secure grand success in national level competitions like SAE BAJA, Mitsubishi electric cup, ROBOCON etc. More than 80% students get on campus placements every year.

The College provides financial assistance to several students with partial fee waivers and also full fee waivers. This is in addition to the support received by reserved category students from state and other agencies. The College also facilitated students in need, to obtain financial aid from other agencies, trusts and NGOs.

Our college provides an opportunity to every student to contribute to make the society in which they live in a better place and to grow as better individuals.

File Description	Documents
Appropriate link in the institutional website	NIL
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- Curriculum Revision for the 2nd, 3rd and 4th programme year
- Conference on best pedagogic practices
- Implementation Research Initiation Fund Scheme for Faculty
- Summer Research Projects for Students