# **YEARLY STATUS REPORT - 2020-2021**

| Part A | |
|---|---|
| **Data of the Institution** | |
| **1.Name of the Institution** | CMR COLLEGE OF ENGINEERING & TECHNOLOGY |
| • Name of the Head of the institution | Major Dr. V A Narayana |
| • Designation | Principal |
| • Does the institution function from its own campus? | Yes |
| • Phone No. of the Principal | 8008500025 |
| • Alternate phone No. | 9248727200 |
| • Mobile No. (Principal) | 9248727200 |
| • Registered e-mail ID (Principal) | principal@cmrcet.org |
| • Address | kandlakoaya, Medchaal Road, Hyderabad |
| • City/Town | Hyderabad |
| • State/UT | Telangana |
| • Pin Code | 501401 |
| **2.Institutional status** | |
| • Autonomous Status (Provide the date of conferment of Autonomy) | 17/02/2021 |
| • Type of Institution | Co-education |
| • Location | Rural |

| | | |
|---|---|---|
| • Financial Status | **Self-financing** | |
| • Name of the IQAC Co-ordinator/Director | **Dr G Devadasu** | |
| • Phone No. | **9248727203** | |
| • Mobile No: | **9885286162** | |
| • IQAC e-mail ID | **iqac@cmrcet.org** | |

| | |
|---|---|
| **3.Website address (Web link of the AQAR (Previous Academic Year)** | https://cmrcet.ac.in/annual-quality-assurance-report/ |
| **4.Was the Academic Calendar prepared for that year?** | **Yes** |
| • if yes, whether it is uploaded in the Institutional website Web link: | https://cmrcet.ac.in/academic-schedules/ |

**5.Accreditation Details**

| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
|---|---|---|---|---|---|
| **Cycle 1** | **A** | **3.11** | **2014** | **05/05/2014** | **31/12/2019** |
| **Cycle 2** | **A+** | **3.27** | **2021** | **23/02/2021** | **22/02/2026** |

| | |
|---|---|
| **6.Date of Establishment of IQAC** | **02/04/2014** |

**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 |
|---|---|---|---|---|
| **Nil** | **Nil** | **Nil** | **Nil** | **Nil** |

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

| | | |
|---|---|---|
| • Upload the latest notification regarding the composition of the IQAC by the HEI | View File | |

| | |
|---|---|
| **9.No. of IQAC meetings held during the year** | **4** |

| | |
|---|---|
| • Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? | **Yes** |
| • 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** |
| • If yes, mention the amount | |

**11.Significant contributions made by IQAC during the current year (maximum five bullets)**

**To participate in various College Rankings-NIRF & ARIIA**

**To establish Centre of Excellences in various departments**

**Preparation of research project proposals & writing scientific/research articles**

**Start-ups and Incubation centres to all the UG Students**

**Revision of R & D policies**

**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 |
|---|---|
| **To conduct induction programme to the newly joined faculty** | **Completed** |
| **To conduct orientation programme for the first year students** | **Completed** |
| **To participate in various College Rankings-NIRF & ARIIA** | **Completed** |
| **To establish Centre of Excellences in various departments** | **Under Process** |
| **Laboratory equipment's and library procurements** | **Completed** |

| | |
|---|---|
| Internships for pre-final year students | Completed |
| Start-ups and Incubation centers to all the UG Students | Under Process |
| Redressed of grievances received by stake holders | Completed |
| To conduct student satisfaction survey | Completed |
| Preparation of annual report and conduct of Academic | Completed |
| Signing of MOAs/MOUs with Industries/NGOs/Research Institutions | Completed |
| To establish Centre of Excellences in various departments | Under Process |
| To conduct SWAYAM/MOOCs workshop on how to create ICT lectures | Under Process |
| Preparation of research project proposals & writing scientific/research articles | Under Process |
| Review of result analysis of first semester | Under Process |
| Placement for the pre-final year students and higher education | Under Process |
| Redressel of grievances received by stake holders | Under Process |
| Establishment of National Cadet Corp (NCC) Unit -II for Girls, New unit for boys | Completed |
| Start-ups and Incubation centers to all the UG Students | Under Process |
| Revision of R & D policies | Under Process |
| Appling for research centers under JNTUH in various departments | Under Process |

| 13.Was the AQAR placed before the statutory body? | Yes |
|---|---|

- Name of the statutory body

| Name of the statutory body | Date of meeting(s) |
|---|---|
| Governing Body | 23/04/2021 |

| 14.Was the institutional data submitted to AISHE ? | Yes |
|---|---|

- Year

| Year | Date of Submission |
|---|---|
| 31/12/2021 | 26/03/2022 |

**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):**

utcome-Based Education (OBE) is a student-centric learning methodology that helps instructors design course delivery and evaluation. End-of-program conditions must be met. According to the Washington Accord, "graduate qualities are exemplars of approved school graduation traits." Accreditation board defines Graduate Attributes (NBA). Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) indicate what graduates should be able to perform. POs should match Graduate Attributes. All programmes at the institution measure PO/PSO. POs and PSOs map to COs.

Course Outcomes are the baseline for measuring student achievement in each course. COs are domain-specific outcomes expressed with action verbs that are concrete, quantifiable, and demonstrable by students. All courses have outcomes. Professors construct curricula with results in mind (while planning lessons, designing assignment & assessments, lecturing and other activities).

Program Outcomes (POs), Program Specific Outcomes (PSOs) are communicated via the following channels:

The Program Outcomes are published at

- College website
- Syllabus books.
- College library and Department Library,
- Notice Boards and Corridors of Department,
- Laboratories
- Canteen
- Class rooms

Faculty workshops, student awareness, induction programmes, and faculty meetings make programme results accessible to all stakeholders.

The Course outcomes are disseminated to students through

- Syllabus books.
- College website.
- Laboratories.

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

# Extended Profile

**1.Programme**

1.1                                                                                     **13**

Number of programmes offered during the year:

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | [View File](#) |

**2.Student**

2.1                                                                                  **4108**

Total number of students during the year:

| File Description | Documents |
|---|---|
| Institutional data in Prescribed format | [View File](#) |

2.2                                                                                  **1128**

Number of outgoing / final year students during the year:

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | [View File](#) |

2.3                                                                                  **4200**

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                                                                                  **507**

Number of courses in all programmes during the year:

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | [View File](#) |

3.2                                                                                  **235**

Number of full-time teachers during the year:

# Extended Profile

## 1.Programme

| 1.1 | **13** |
|---|---|
| Number of programmes offered during the year: | |

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | View File |

## 2.Student

| 2.1 | **4108** |
|---|---|
| Total number of students during the year: | |

| File Description | Documents |
|---|---|
| Institutional data in Prescribed format | View File |

| 2.2 | **1128** |
|---|---|
| Number of outgoing / final year students during the year: | |

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | View File |

| 2.3 | **4200** |
|---|---|
| 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 | **507** |
|---|---|
| Number of courses in all programmes during the year: | |

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | View File |

| 3.2 Number of full-time teachers during the year: | 235 |
|---|---|

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | View File |

| 3.3 Number of sanctioned posts for the year: | 235 |
|---|---|

| **4.Institution** | |
|---|---|
| 4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year: | 428 |
| 4.2 Total number of Classrooms and Seminar halls | 71 |
| 4.3 Total number of computers on campus for academic purposes | 1469 |
| 4.4 Total expenditure, excluding salary, during the year (INR in Lakhs): | 1484.33 |

# 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.

**Relevance to Local and Regional Needs**

**CMRCET offers various courses that meet the requirements of local/regional needs. The courses such as Introduction to Social Innovation, Social Innovation in Practice, Engineering Exploration & Practice will help in identifying the community related problems during the students visit to community and provide a technological**

solution to them.

**Relevance to the National Needs**

The CMRCET has substantial role towards the national development by imparting value based quality education. Courses such as Gender Sensitization, Environmental Sciences, Indian Constitution and Essence of Indian Traditional Knowledge sensitize the students towards gender equality, environmental issues, constitutional responsibilities and the Indian Traditions.. The Curricula developed has significant contributions to the following national missions:

- Digital India (Education through ICT)
- Make in India
- Swatch Bharat Abhiyan
- Unnat Bharat Abhiyan
- Women Empowerment
- Skilling India
- Solar Energy Mission

**Relevance to the Global Needs**

Strong emphasis is laid on inter/multi-disciplinary research in priority areas of national/global needs. The innovative ideas of the students are invited/presented on "Ideation Day". The ideas with the concern of local/national/global needs are identified and incubated in the college. The support of expert faculty is provided to the students to convert the idea to a reality.

| 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**

0

| File Description | Documents |
|---|---|
| Minutes of relevant Academic Council/BOS meeting | View File |
| Details of syllabus revision during the year | View File |
| 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

**500**

| 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 | **No File Uploaded** |

## 1.2 - Academic Flexibility

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

**6**

| File Description | Documents |
|---|---|
| Minutes of relevant Academic Council/BoS meetings | View File |
| Any additional information | **No File Uploaded** |
| 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

**13**

| File Description | Documents |
|---|---|
| Minutes of relevant Academic Council/BoS meetings | View File |
| Any additional information | No File Uploaded |
| 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

With a view to integrate the cross cutting subjects relevant to gender, environment and sustainability, human values and professional ethics, CMRCET has introduced different types of courses in the curriculum. The courses are designed in such a way to enhance professional competencies, inculcate general competencies like social & ethical values, gender, human values & professional ethics, environment sensitivity etc., thereby leading to the holistic development of students.

The students undertake different activities to inculcate these values in a professional manner. The different activities are covered under the various committees and clubs such as Women Empowerment Cell, Anti-Ragging Committee, NSS/NCC, Community Club, Eco Club etc. These committees and clubs play a major role in smooth functioning of the institute.

The mandatory courses such as Environmental Sciences, Soft Skills & Professional Ethics, Gender Sensitization, Indian Constitution, Essence of Indian Traditional Knowledge are included in UG and Value Education, Stress Management by Yoga, Personality Development through Life Enlightenment Skills etc. are included in PG Courses. In order to emphasize the importance of the course to students about the environment and sustainability issues, a number of activities such as seminars, workshops, guest lectures, and industry visits are organized.

| 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 | No File Uploaded |

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

**17**

| 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 | No File Uploaded |

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

**1901**

| 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**

**2446**

| 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**       **A. All 4 of the above**

**obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni**

| File Description | Documents |
|---|---|
| Provide the URL for stakeholders' feedback report | https://cmrcet.ac.in/stakeholders-feedback/ |
| 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**    **A. Feedback collected, analysed and action taken made available on the website**

| File Description | Documents |
|---|---|
| Provide URL for stakeholders' feedback report | https://cmrcet.ac.in/feedback-analysis-action-taken-report/ |
| 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**

**1177**

| 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)**

**601**

| 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.

CMRCET Pre-admission counselling and post-admission interventions begin at the college. After acceptance, students are categorised as Advanced or Slow depending on their qualifying test and EAMCET. Midterm exams, assignments, classroom interactions, and mentoring are used to measure student learning in succeeding semesters. Students are labelled as advanced and slow learners based on their activity performance, and all stakeholders are informed.

IQAC has brainstormed a number of solutions for advanced and slow learners' curricular interventions and processes.

Catering the needs of advanced learners:

- Encouraged to register for MOOCS learning courses like NPTEL.
- Exposed to IoT, AI/ML, Data science.
- Encouraged to compete in Smart India Hackathon, Smart city Hackathon, NASA Space Apps challenge, ACM ICPC.
- Students should join IETE, IEEE, CSI, IEI, ACM, SAE, and ACCE.
- SAE Collegiate group promotes SAEINDIA activities.
- Campus training on technologies like Python, Revit, ServiceNow, Zensar, Fusion 360.
- Encouraged to run Cyber Security Club/Coding Club/The AI Mind club/Andriod club independently

Catering the needs of slow learners:

- Lateral students pursue programming, math, and communication courses to bridge the gap between high school and engineering.
- Remedial classes are conducted by subject experts/senior faculty to clear their doubts in specific subjects
- Special attention /counselling by mentors
- Special soft/communication skill courses

| File Description | Documents |
|---|---|
| Upload any additional information | <u>View File</u> |
| Paste link for additional information | <u>https://cmrcet.ac.in/wp-content/uploads/2022/05/2.2.1-Slow-Adv-learners.pdf</u> |

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

| Year | Number of Students | Number of Teachers |
|---|---|---|
| 12/08/2021 | 4500 | 235 |

| File Description | Documents |
|---|---|
| Upload any additional information | <u>View File</u> |

## 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:

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

Response:

CMRCET adopts student centric methods to make the Teaching Learning process more effective for the holistic development of students through Experiential learning, Participative Learning and Problem solving Methodologies. Faculty of the institute imparts subject knowledge as per the syllabus and curriculum and foster self management and usage of knowledge, holistic development and skill development through participatory learning activities such as following lecture method in combination with other teaching methods. The extent of the lecture methodology differs/varies from course to course. However there has been a paradigm shift in teaching from purely chalk and talk methods to adopting a judicious mix of lecture method and modern methods of pedagogy.

The following activities have been adopted by the faculty at different levels and they adorn student-centric methods:

**Experiential learning:**

- **Laboratory sessions**

- **Industry visits**

- **Field works and Internships**

**Industry Oriented Mini Projects**

- **Community outreach programme**

**Participative Learning:**

- **Expert Lectures**

- **Workshops and seminars**

- **Group discussions and role plays**

- **MOOCs**

**Problem Solving Methodologies:**

- **Developing Models in Engineering and science:**

- **Project Based Learning :**

- **CodeAthon:**

**NOTE: For additional information please go throught the attached document.**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Link for additional Information | https://cmrcet.ac.in/wp-content/uploads/2022/11/Participative-Learning.pdf |

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

**ICT impacts everything in life. ICT in education improves**

information transfer. In schools and institutions, online e-books are replacing textbooks. ICT is taught across CMR College of Engineering and Technology. All classrooms have computers/laptops, internet, LCD projectors, and PA systems. Our school has incorporated technology so kids may access more knowledge. Our workforce is tech-savvy. The ICT Committee has hosted workshops on using ICT to improve education. Understanding complex things is easy. Interactive classrooms may enhance attendance and attentiveness.

ICT helps student education. NIME report, Japan. Teachers must rethink how they meet students' learning needs and adapt courses to human thought. Using ICT, we may create a stress-free presentation.

Swayam courses, You Tube videos, National Digital Library, Moodle software, Digital Library, spoken Tutorials, NPTEL LINK, Google Class rooms, MOOCs, blogs, faculty video lectures are well-documented ICT goods. ICT may be used as a store-and-forward device in certain domains.

Faculty create PPTs, NPTEL links, and youtube videos. Students get this information via Moodle, Blogs, and Digital Library. Professors link students via google classroom and enables online teacher-student communication. Expert faculty members' lectures are recorded and accessible to students. Students who missed the material and sluggish learners will benefit.

| File Description | Documents |
|---|---|
| Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process | https://cmrcet.ac.in/wp-content/uploads/2022/05/2.3.2-ICT-Enabled.pdf |
| 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

221

| 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

**Response:**

**The IQAC, Deans and Principal prepare the Academic Calendar before commencement of the academic year. The calendar contains the detailed information regarding Commencement of class work, Instructional days, recess, internal examinations, end-semester examinations, etc. The academic activities of the college are strictly adhering to the Academic calendar. In adverse cases approval from IQAC would be taken to deviate from the academic plan. The Academic Calendar is circulated to the students, faculty, college and departmental notice boards and displayed on website http://cmrcet.ac.in/acedemics_schedules.php.**

**Learning/Session/Lecture Plan:**

**Course File/Session/Lecture Plan includes:**

- **Course Description**
- **Course Objectives and Outcomes**
- **Course Outcomes mapping with PO's**
- **Syllabus**
- **List of Books**

1. **Text Books**
2. **Reference Books**

- **Detailed Lecture/Hour by Lecture/Hour plan for the entire semester that shows:**

  - **Topics to be covered for each lecture/hour (Black Board, PPT's, Videos, Handouts, drawings, etc…)**

- **Topics covered beyond syllabus / Additional Topics with proofs.**
- **Worked out Examples and Problems if any...**
- **Previous Mid Question Papers**

- **Previous End Exam Question Papers with Scheme**
- **Class Time Table**
- **Personal Time Table**
- **Students List**
- **Remedial / Tutorial / Extra classes taken with proofs if any…**
- **End Semester Results**

**NOTE: For additional information please go throught the attached document.**

| 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

**235**

| 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

**69**

| 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)

**235**

| 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

**65**

| 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

**34**

| 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

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

**Response:**

CMRCET's Examination Branch consists of the Chief Superintendent, Dean (Examinations & Evaluation), Controller of Examinations, and three Assistant Controllers of Exams. They handle student registrations, tests, assessment, results dissemination, and records for all CMRCET courses.Academic Calendar Examination Branch provides Internal Exam timetables twice a Semester, three weeks before examinations. End Semester Exams are announced six weeks ahead.

**Processes Integrating IT**

Since April 2019, the Institute double-evaluates digital work. Exam Branch operations are integrated utilising BEEs' Examination Management System (EMS). Students register and pay for exams online using unique log-in information.

**EMS facilitates,**

- Generation of Hall tickets and OMR
- Present &absentees statements and D-Form generation
- Scanning, Coding and decoding of answer scripts
- Bundling of answer scripts subject wise
- Generation of bundle key for digital evaluation
- Online accessing and valuation of digital answer scripts by valuators
- Tabulation &Publish of results
- Results analysis branch wise and semester wise
- Revaluation registrations through online
- Generation and printing of Provisional certificates and consolidated grade cum credit sheets
- Transcripts

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](View File) |
| Paste link for additional Information | https://cmrcet.ac.in/wp-content/uploads/2022/11/Examination-Manual.pdf |

## 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

Outcome-Based Education (OBE) is a student-centric learning methodology that helps instructors design course delivery and evaluation. End-of-program conditions must be met. According to the Washington Accord, "graduate qualities are exemplars of approved school graduation traits." Accreditation board defines Graduate Attributes (NBA). Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) indicate what graduates should be able to perform. POs should match Graduate Attributes. All programmes at the institution measure PO/PSO. POs and PSOs map to COs.

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- Canteen
- Class rooms

Faculty workshops, student awareness, induction programmes, and faculty meetings make programme results accessible to all stakeholders.

The Course outcomes are disseminated to students through

- Syllabus books.
- College website.
- Laboratories.

| File Description | Documents |
|---|---|
| Upload COs for all courses (exemplars from the Glossary) | View File |
| Upload any additional information | View File |
| Link for additional Information | https://cmrcet.ac.in/wp-content/uploads/2022/05/2.6.1-Course-Outcomes.pdf |

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

CMRCET has learning outcomes for each academic programme and integrates them with its vision and purpose. The learning result is evaluated by senior academics, BOS.

The college uses well-structured teaching and evaluation methods to follow COs and POs.IQAC and PAC analyse learning outcomes via academic audit to guarantee quality and consistency. IQAC revamps programme evaluation procedures if learning outcomes aren't fulfilled.

Direct and indirect evaluation techniques to indicate PO/PSO accomplishment. Course results are mapped to Program and Program-Specific Outcomes. All POs and PSOs have performance standards.

Written exams during a semester measure students' knowledge, abilities, and moral principles. CO, PO, and PSO-specific inquiries are made. Course outcomes are used to assess PO/PSO.

The PO assessment and attainment method has four phases.

Step1: All programme goals and PSOs are covered in the curriculum, largely via programme courses.

Step2: Course coordinators assess course results directly (exam) and indirectly (survey).

Step3: If the semester's average fulfils a PO's performance criterion, the PO is fulfilled. PSO-evaluated.

Step 4: alumni and employer surveys measure indirect programme outcomes.

**COs review POs directly and indirectly. The PO attainment calculation gives direct techniques 75% weight since there are more samples and indirect ways 25%.**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://cmrcet.ac.in/wp-content/uploads/2022/11/Microsoft-PowerPoint-NBA-CSE-CMRCET-02-12-2021-v1.pdf |

### 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

**984**

| 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 | For this please click view file of above additional information |

### 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://cmrcet.ac.in/wp-content/uploads/2022/05/2.7-Student-Satisfaction-Survey.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

**CMRCET regularly creates and enhances the research facilitiesand frequentlyupdated to promote research activities. As per theneed,**

the budget is proposed for the enhancement of researchand allocated by passing the budget proposal through resolutions in the Governing Body Meeting.

The center for Artificial Intelligence & Deep Learning is powered with an efficient deep learning server with a configuration of Hp Z820 with Dual Xeon E5 2660/64GB RAM/2X600GB SAS 10K HDD/ Quadro K6000 12GB Graphic card.

The Research and Development center of CMRCET is recognized byScientific and Industrial Research Organization (SIRO).To meet the contemporary issues related to Cyber security, the R&D centerstarted the National Cyber Defense Security Resource Center.

Virtusa Centre of Excellence (COE) ,Data Science & Big Data AnalyticsCOEin association with DELL EMC and ICT Academy to understand business intelligence and data analytics is a status mark in view ofResearch and Development .

Centre for Innovation and Entrepreneurship (CIE) is established which promotes Technology Entrepreneurship and supports start-up incubation.

Institute has a Centre for Engineering Education Research "CEER" where the concepts are established byrecognizing the needs of the end-user,defining solutions and eventually nailing to a solution.

| 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://cmrcet.ac.in/files/Research/RD%20POLICY%202017-18.pdf |
| 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)**

2.45 lakhs

| 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

5

| 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 | 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)

342.83

| 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 | **Nil** |
| List of research projects during the year | View File |

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

**13**

| 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

**5**

| File Description | Documents |
|---|---|
| Supporting document from Funding Agencies | View File |
| Paste link to funding agencies' website | https://dst.gov.in/seed-home |
| 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.

**CMRCET has an ecosystem for innovations along with the incubation center and other initiatives for the creation and transfer of knowledge. The college has a Research and Development Cellwhich motivates and inculcates research culture among the faculty /students to undertake research projects . The R&D cell promotes the publication of quality journalsby providing research and**

financial support.

The R&D cell identifies the reputed funding agencies and supports and encourages the students/faculty to come up withprojects that are promoted to the Center for Innovation and Entrepreneurship (CIE) and share their ideas in "Ideation Day" . The Institute has a Center for Engineering Education Research "CEER" where the ideas formulateintoa solution.

The Institute strongly encourages IP creation and has laid a well definedpolicy and Various Patents were published .

The Institute has a center known as Engineering Projects in Community Services (EPICS) which encourages the students to realize their Idea and work on an idea.. As part of EPICS,students visit the nearby villages, finds problems and try to give technological solutions, which increase the ability toconceptualize the idea, design the prototype.

The Industry-Institute Interaction Cell (IIIC) bridges the gap between industry andhelps in formulating interdisciplinary projects for implementation.

| 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

26

| File Description | Documents |
|---|---|
| Report of the events | View File |
| List of workshops/seminars conducted during the year | View File |
| 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**         A. All of the above

**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**

| 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 | 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**

0

| File Description | Documents |
|---|---|
| URL to the research page on HEI website | https://cmrcet.ac.in/wp-content/uploads/2022/05/Upload-copies-of-the-letter-of-the-university.pdf |
| 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**

169

| 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**

**66**

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| 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**

**224**

| 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**

**8**

| File Description | Documents |
|---|---|
| Bibiliometrics 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)**

**54.89**

| 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 | 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

CMRCET conducts and takes part in a variety of extension activities with an objective of not only sensitizing students in various public issues but also contributing to the neighborhood and reinforcing community participation. The NCC and NSS schemes of the Institute initiated various events like organizing camps, promoting Swatch Bharat, blood donation camps, awareness programs on anti-ragging, educating the villages, etc.

Events like Haritha Haram, donating for victims affected by natural calamities, digitization, etc are successfully conducted with the cooperative participation of the volunteers in

**collaboration with other agencies/NGOs. The NSS wing takes care of arranging guest talks on topics like gender issues, women's security, conducting yoga day etc. Conducts environmental awareness activities like Save our ponds and lakes, Tree plantation drive-Green Revolution,'NO' to plastics, use of smoke-free crackers,Preparation and distribution of clay Vinayaka idols . Arranages Blood donation camps in collaboration with the hospitals (twice a year) .Through Centre for Engineering Education Research (CEER) students visit the nearby villages, finds problems and try to give solutions . ECO Club encourages students to participate in environmentalrelated activities .The health club with motto"Health is Wealth"provides the students with a basic knowledge on health,nutrition etc**

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | **Nil** |

### 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

**6**

| 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 | **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)

**23**

| 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**

**6044**

| 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**

**597**

| 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)**

**19**

| 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 | **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 Management is committed to provide quality services to the stakeholders and in this direction strives to provide the best**

infrastructure support and provides the necessary budget every year as per the requirement.

The Institute has 51 class rooms with ICT facilities, LCD projectors, WIFI-LAN, PA system, and good ambience. It has Seven Smart Classrooms with multimedia facilities and 14 Tutorial rooms.It has 79 well equipped and well-maintained state of the art laboratories, 6 seminar halls to conduct various student activities, 2 Drawing halls, two 2 auditoriums with a capacity of 250 and 1800 each and 1469 computers are available.

Library: Subscribed online journals like IEEE, ASCE, J-Gate, Springer, Delnet, etc.E-books pertaining to various disciplines.Subscribed with EBSCO to access database on e-resource.

Internet and WI-FI: Wi-Fi and dedicated leased line internet facility with 100 Mbps speed is provided. The Institution is under the surveillance of 200 CC cameras.

Campus Training and Placement: A separate wing exists for the outgoingstudents for placements and higher studies (Native & Foreign), along with Soft Skills Training &Entrepreneurial development training.CMRCET has two hostels one for boys and one for girls with a capacity of 500 each.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | https://www.cmrcet.ac.in/assets/downloads/NAAC%20Cycle_2/Criteria4/4/4.1.1.pdf |

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 has a separate block for physical education with indoor and outdoor facilities for students to de-stress and to have physical competence, fitness, motivation, and develop team building skills. The stakeholders are given the privilege to attend training sessions and participate in tournaments. The Institution has a separate infrastructure for indoor games like Table tennis, Chess, Caroms and outdoor games like Shuttle, Ball Badminton, Football, Volleyball, Cricket, kho-kho, Throw ball, Basket ball, Kabaddi, etc. The College has qualified trainers to

train the students to participate in various Inter and Intra leveltournaments. Our students have represented at the Inter-Collegiate/University/National/International level and won prizes at Inter-Collegiate and statelevel.

An exclusive Gym is available for the stakeholders to provide an arena for body building and health. The Institute has a Yoga center with a certified trainer for personal transformation. The Institution has spent Rs 4.29 Lakhs on Sports, Infrastructure, and its activities. The students areencouraged to practice and participate in various competitions at different levels. The Institute conductsvarious sports competitions every year, and several colleges across the state participate in the Inter-Collegeevents. The list of the events conducted during Sports Fest in CMRCET is mentioned in additionalinformation.

| File Description | Documents |
|---|---|
| Geotagged pictures | View File |
| Upload any additional information | No File Uploaded |
| Paste link for additional information | https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102230/4.1.2_1582010474_2560.pdf |

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

54

| File Description | Documents |
|---|---|
| Upload any additional information | No File Uploaded |
| 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)

39.93

| File Description | Documents |
|---|---|
| Upload audited utilization statements | View File |
| Details of Expenditure, excluding salary, during the years | View File |
| 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)

**CMRCET Central library is fully automated with 'Newgenlib' Software (version 3.2) since 2007 and all the books were classified according to DDC and arranged according to classified order in the racks. All the books and other reading materials are entered in library automation software and circulations (Issue & Returns) based on Barcode system. All the stakeholders are given access to e-resources and digital content of the Library can be accessed using the IP address http:// 27.116.17.114 through 28 systems dedicated to browse the digital collection comprising of e-journals, e-books and e-databases from IEEE, ASCE, DELNET, N-LIST, EBSCO E-Books, KNIBUS Digital Library etc. All the library resources can be accessed through LAN within the campus and the e-journals can be accessed from remote locations by all the stakeholders using the email ids and their passwords given by the college. Around 9100 Video lectures (NPTEL) are available for ready access from the digital library on IP 172.16.15.189 through LAN.The Library is headed by the Librarian along with supporting staff and overseen by an Advisory Committee consisting of Principal as chairman, Librarian as Convener and one faculty member and two students from each department as members.**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| 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 | 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)**

**22.79**

| File Description | Documents |
|---|---|
| Audited statements of accounts | View File |
| 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) | 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**

**172**

| File Description | Documents |
|---|---|
| Upload details of library usage by teachers and students | View File |
| 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 total number of computers presently available is 1469 that is on LAN.**

   **1. 51 Classrooms were provided with ICT Facilities**
   **2. Internet facility with speed 100 Mbps.**
   **3. The library is updated with ILMS software.**
   **4. Intra-net connectivity is provided on the campus with 20**

GBPS fibre optical cable.
5. A new firewall 'Cyber rom-300NG' was installed for the security of the campus network with filtering features.
6. ERP software has been installed in 2014 for student and staff information management.
7. All the systems have been provided with backup through the uninterrupted power supply.
8. Seqrite antivirus software has been installed for all the systems.
9. The Institute has 200 surveillance cameras.
10. A centralized server room with 8 servers was set up.
11. The Examination branch is fully automated with BEES BET PLUS software.
12. 7 Wi-Fi access points with extenders provided to cover the entire campus.

Internet Provider: Vainavi Industries Ltd.

Periodically computers are updated as under:

A.Y. 2020-21: 245 new Dell computers were procured with a configuration of core i5 10th generation of 16GB RAM, 1TB HDD.

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | Nil |

### 4.3.2 - Student - Computer ratio

| Number of Students | Number of Computers |
|---|---|
| 4219 | 1469 |

| 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. ?50 Mbps

| File Description | Documents |
|---|---|
| Details of bandwidth available in the Institution | View File |
| Upload any additional information | **No File Uploaded** |

**4.3.4 - Institution has facilities for e-content development:** **A. All four of the above** **Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102230/4.3.4_1581947778_2560.pdf |
| 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)**

**30.58**

| File Description | Documents |
|---|---|
| Audited statements of accounts | View File |
| 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 maintenance and utilization of physical, academic and support facilities are governed by standardprocedures as mentioned below, concerning Laboratories, Library, Sports centre, computer systems, andclassrooms.All the Laboratories are maintained in proper working conditions in terms of the premises as well as allpieces of equipment, i.e., consumables and non-consumables, as overseen**

by the concerned Lab In charges.Separate registers are maintained for lodging complaints, stock keeping works executed, etc.The repair and servicing of equipment are carried out after obtaining statutory approval of the concernedHead of the Department, Principal, and Secretary. The procurement of newequipment is as per the standard procedures wherein, the lab in-charge applies to the Principal through theHead of the Department. Upon obtaining approval from the Secretary, quotations/tenders are invited basedon the tentative cost of the equipment.The Central Library is headed by the Librarian who oversees the maintenance and utilization of thepremises and all the books, data, etc. The sports centre is headed by the Physical Director who oversees the maintenance and utilization of thesports premises as well as all sporting items/equipment, grounds, etc. List of sporting items, equipment,etc. are maintained in stock registers.

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| 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

933

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

104

| File Description | Documents |
| --- | --- |
| Upload any additional information | **No File Uploaded** |
| 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://cmrcet.ac.in/files/NAAC2021/criteria5/5.1.3/landing page.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**

**986**

| File Description | Documents |
| --- | --- |
| Any additional information | **No File Uploaded** |
| Number of students benefited 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'**

**A. All 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 | **No File Uploaded** |

## 5.2 - Student Progression

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

**768**

| 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

**73**

| 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

**88**

| 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

**Nil**

| File Description | Documents |
|---|---|
| e-copies of award letters and certificates | **No File Uploaded** |
| 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 active Students Council (Student conclave) which has student representatives. The members of the Student Council are elected.

Through active participation, members of the Student Council and other student representatives frequently serve in following Academic and Administrative Bodies/Committees: Internal Quality Assurance Cell (IQAC), Class Review Committee,Library Committee, Canteen Committee, Hostel Committee, Women Empowerment Cell, SC/ST Cell, Cultural Committee, Sports Committee, Publications Committee, NSS Committee, Anti-Raging committee, Labs-Browsing/Computer lab Committee, Training & Placement Committee, Grievance Redressal Committee, NCC Committee, Equal Opportunities Centre, ED Cell/Incubation Centre, and Ladies Waiting Hall Committee.

Student Clubs: Co-curricular clubs like Coding Club, Cyber Security Club, Circuitronics Club, Web Technologies Club; Extra-Curricular Clubs like Event Management Club, Photography Club, CMR Talkies Club, Music Club, Dance Club, Arts Club, Voice of Youth Club, Literary Club, Fitness Club, Sports Club, Eco Club, Health Club, Unite Up for a Cause Club etc. These clubs are managed by

student secretaries and organize activities every Saturday afternoon.

Besides, the students involve themselves in various professional society chapters like IE (I), SAE, ISTE, IEEE, IETE, CSI, ACCE, HMA.

| 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

Nil

| File Description | Documents |
|---|---|
| Report of the event | No File Uploaded |
| List of sports and cultural events / competitions organised per year | No File Uploaded |
| 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

CMRCET alumni association is a registered body with registration number 981 of 2019 under MGR educational Society. The members of the alumni association have regular interaction with the Principal, the management, faculties and staff members regarding the overall development of the institution. The Alumni association committee is formed every three years in Alumni meet and holds two executive committee meetings on an average every year and future plans are discussed. Annual Alumni meet is held in the month of December every year.

The Alumni are members of Board of studies of each department, serve as resource persons for Guest Lectures, conduct mock personal interviews, discuss job opportunities, give feedback on syllabus and infrastructure available in college, offers job oriented training, arrange industrial visits to the students and

provide inputs on start ups and turning them in to job providers, guide the students about the career opportunities,share their professional experiences with students,visit campus on regular intervals to assist the new student batch in scheduling and coordinating activities, providing support and guidance to various student clubs, extend support in campus placements and internship programmes. The alumni also contribute financially to Institute towards development apart.

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional Information | Nil |

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

C. 5 Lakhs - 10 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

Response:

Our Vision is to remain a premier academic institution striving continuously for excellence in technical education, research and render technological services to the nation.

Our Mission is to create and sustain a community of learning in which students acquire knowledge and learn to apply it professionally with a concern for the society.

Pursue and Disseminate Research Findings and Offer Knowledge-Based Technological Services to Satisfy the Needs of Society and the Industry.

Promote Professional Ethics, Leadership Qualities and Social

Responsibilities.

Governance

The institute is one of the best Engineering Colleges in the state of Telangana, established in 2002. The Government of A.P. through its G.O.M.S No. 39 dated 25th June, 2002 gave permission to M/s MGR Educational Society, Hyderabad. CMRCET is establishedwith the motto to serve thesociety,especially the people of the backward region of Telangana.The Management is assisted by Governing Council of the institution, which takes over the planning and execution of various domains.

The Principal is the head of both the academic and administrative domains, who is empowered by the Management and Governing Council (GC), to plan, execute and review the operational part of the affairs through IQAC and SPP in all domains.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional Information | Nil |

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

Response:

The college functions independently under the able guidance and direction of the Governing Council which consists of renowned Professors and Industry people as its members. The Principal is the key authority of the Institute working under the management members. The Principal has dispersed his powers to Deans, Controller of Examination, Heads & In-charges of the departments, Co-ordinator of the IQAC of the College, Administrative officer, NCC officer, NSS officer, Librarian, Physical Education Director (PED), Training and Placement Officer, conveners of various committees, Members of various clubs and delegate members of the Institute Academic Council (IAC). Based on the need, they meet periodically to decide upon the various issues.

In pursuance of its Action Plan for performance evaluation, assessment, accreditation & quality up gradation of institutions IQAC of the college was established in the year 2014. Since

quality enhancement is a continuous process, the IQAC has become a part of the institution's system and works towards realization of the goals of quality enhancement & sustenance. The prime task of the IQAC is to develop a system for conscious, consistent & catalytic improvement in the overall performance of the institution.

| File Description | Documents |
|---|---|
| Upload strategic plan and deployment documents on the website | View File |
| Upload any additional information | No File Uploaded |
| 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

S No.

Key Targets Set

Implementation Status

1

Institutional Holistic Development:

CMR CET has been ranked in the band 251-300 by NIRF for the AY2020-21. And various ranks in Careers360 Outlook magazine Times Survey

Accredited by NAAC with A+ Grade w.e.f.23.02.2021 for a period 5 years , Achieved UGC Autonomous in 2014 and 2021.

2

Infrastructure Development:

Establishment of Centre of Excellence in various departments and plan for purchase required infrastructure

3

**Strengthening Faculty:**

- ○ In pursuance of strengthening the faculty CMRCET has recruited more number of PhDs.
- ○ As of now 39 faculties with doctorate degree are available. And faculties attended FDPs, SWAYAM NPTEL certifications.
- ○ Incentives/ Processing fee/ Registration fee is being paid for the Faculty towards Research Publications.

**4**

**Research & Development:**

Established Research Centres and signed in various MOU for collaborative Research work

**5**

**Student Career Development Cell:**

A skill development cell is established, with advanced technology skill development programmes for students

**6**

**Academic Excellence:**

The updated curriculum includes CBCS and open electives.

The implementation of outcome-based education and SWAYAM NPTEL has certified me.

**7**

**Examination Reforms:**

For the evaluation of PG and UG (both CIE and SEE) courses, Digital Evaluation is being used .

| File Description | Documents |
|---|---|
| Strategic Plan and deployment documents on the website | [View File](#) |
| Paste link for additional information | Nil |
| 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.

**Response:**

**The organization has a well-structured administrative setup with Governing Body as the highest decisionmaking body and various other functional bodies and committees.**

**1. Administrative Setup:**

**The apex body of the organogram is the Governing Body which is the policy-making body for Financial, Administrative and Quality Systems under which the entire college functions are being organized and controlled. This committee meets at least once in an academic year to discuss various issues of the college.The Chairman, Secretary and Principal are the functionaries who take the responsibility of implementing the policy decision of the governing body.**

**2. Service rules and Procedures:**

**Service rules and procedures for the Institution are in place and documented. They are made known to all the newly recruited staff members through an Induction programme. The recruitment and the Scales of pay for various teaching positions are as per AICTE guidelines. The recruitment includes Invitations of application (Paper advertisement, through references, etc.) Preliminary assessment of the candidates (review of Resume received).Then inviting the candidates for interview Assessment of selection committee and recommendations are forwarded to the management. Final decision on recruitment is taken by Management. Promotions are also made by the selection committee only.**

| File Description | Documents |
|---|---|
| Paste link to Organogram on the institution webpage | https://cmrcet.ac.in/files/service%20certificate/organo.pdf |
| 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 | 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

**Response:**

**CMRCET strongly believes that its teaching and non-teaching staff are its forte` and emphasizes their growth and development by providing certain welfare measures that make them content and gives them the needed boost to work efficiently.**

**The Institute takes care of the physical and mental health of its employees that provides a promising work environment.. All the welfare measures taken for the teaching and non-teaching staff are effectively implemented. To keep the employees satisfied and motivated, the college provides many monetary and non-monetary benefits for personal and professional growth. Cultural programmes are also conducted occasionally for relaxation and rejuvenation.**

**CMRCET duly recognizes the contribution of its employees in all**

aspects that lead to the growth and development of the organization.

Welfare measures taken and implemented for the teaching and non-teaching staff:

Group Insurance

Subsidy in transport

Maternity and Paternity leaves

Medical leaves and free health check-up

Canteen facilities:

Loans: All the employees in financial need can take loans.

Sponsorship for higher studies

Sponsorship for Staff development:

Financial Health Care

Special leaves

Advance Salary

Financial Assistance for the children of the employees

Outdoor activities: All the employees are taken on recreational tours to unwind, relax and de-stress.

Ex-Gratia

| 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

266

Page 52/127                                                    11-09-2023 02:37:22

| 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

36

| 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.)

270

| 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

CMRCET Strictly believes in following all statutory requirements for all audits and accounting practices. The Institution conducts internal and external financial audits regularly. As part of this mechanism, the Institution has an in-house team of two auditors of M/s Srinivas & Associates Chartered Accountants, Regd.No.0126S,

who help in carrying out the internal audit. The team conducts an internal audit regularly and submits the report to the IQAC (Internal Quality Assurance Cell) Chairman. The IQAC Chairman attends all the major audit queries raised by the team and takes appropriate steps for remedial action. The external audit is conducted once in a year. The external audit is carried out by M/s MRK Reddy Charted Accountants (Regn.No.003265S) who has an experience of over 20 years. The queries which are raised are put before the Principal who clarifies & rectifies before finalizing the accounts. The Principal also contemplates and decides to appoint an Audit Sub-Committee that attends all the queries raised by the internal audit team and external auditors.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | [https://cmrcet.ac.in/wp-content/uploads/2022/09/6.4.1.pdf](https://cmrcet.ac.in/wp-content/uploads/2022/09/6.4.1.pdf) |

**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)**

25,28,200

| 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 Telangana government regulates fees to be collected from the students which are fixed by Telangana Admission and Fee Regulatory Committee (TAFRC). The fee collected from the students generates most of the funds needed to run the Institution. Long-term loans required if any, for capital expenditure or working capital finance are obtained from a panel of external agencies. The TAFRC takes the data from respective colleges every year and finalize the student's fees.

**The other sources of income are:**

**1. Transport fees collected from students.**

**2. Admission fees.**

**3. Application Fees.**

**4. NBA Fees.**

**5. Examination Fees.**

**6. Hostel fee**

**7. Funds from government, non-government, Counsltancy Projectand individuals**

**8. For conduct of various examinations of government/private organizations.**

**The tuition fees for students of economically & other backward classes, minorities and SC/ST are financed through scholarships from the Telangana State Government.**

**Strategies for optimal utilization of financial resources:**

**The college also rents its premises, auditoriums and playgrounds for activities like short film shootings, feature film shootings, sports meet and audio & video releases of films. The college hostels are also used to accommodate students who attend Sports meet and Conferences. The Sports Bodies pay rent for utilizing the hostel facilities.**

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional Information | https://cmrcet.ac.in/wp-content/uploads/2022/09/6.4.3-Final-Copy.pdf |

### 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)

1.

**To conduct induction programme to the newly joined faculty**

1.

**To conduct orientation programme for the first year students**

1.

**Establishment of National Cadet Corp (NCC) Unit –II for Girls, New unit for boys**

1.

**Signing of MOAs/MOUs with Industries/NGOs/Research Institutions**

1.

**To participate in various College Rankings-NIRF & ARIIA**

1.

**To establish Centre of Excellences in various departments**

1.

**To conduct SWAYAM/MOOCs workshop on how to create ICT lectures**

1.

**Laboratory equipment's and library procurements**

1.

**Preparation of research project proposals & writing scientific/research articles**

1.

**Review of result analysis of first semester**

1.

**Internships for pre-final year students**

1.

**Placement for the pre-final year students and higher education**

1.

**Start-ups and Incubation centres to all the UG Students**

1.

**Redressel of grievances received by stake holders**

1.

**To conduct student satisfaction survey**

1.

**Preparation of annual report and conduct of Academic Administrative Audit**

1.

**Revision of R & D policies**

1.

**Appling for research centres under JNTUH in various departments**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| 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

**The IQAC, Deans and Principal prepare the Academic Calendar before commencement of the academic year. The calendar contains the detailed information regarding Commencement of class work,**

Instructional days, recess, internal examinations, end-semester examinations, etc. The academic activities of the college are strictly adhering to the Academic calendar. In adverse cases approval from IQAC would be taken to deviate from the academic plan. The Academic Calendar is circulated to the students, faculty, college and departmental notice boards and displayed on website http://cmrcet.ac.in/acedemics_schedules.php.

**Course File /Teaching schedule:**

Faculty prepare the Course file as well as Teaching schedule as per credits of the subjects.

Course File includes, Course objectives, Course outcomes, CO-PO mapping, Syllabus, Time Tables, Students List, Detailed Teaching plan with pedagogies and ICT Tools, Assignments, Projects, Assessments, Learning resources posted in LMS.

Faculty will calculate CO attainment through various assessments and take remedial measures for not attainted students.

**Dean Academic /**

IQAC reviews periodically the teaching and learning process, ICT tools used, Pedagogies, quality of assignments and question papers, Assessment tools for CO and PO attainments, infrastructure requirement for teaching and learning.

| File Description | Documents |
|---|---|
| Upload any additional information | No File Uploaded |
| 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 | https://cmrcet.ac.in/annual-quality-assurance-report/ |
| 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 approach to education at CMR College of Engineering & Technology has always been centred on the needs of the students. Since its inception, the Institute has worked hard to provide its students with a well-rounded developmental education while keeping its Vision and Mission in mind. Technical education, as well as moral/ethical/gender justice and sensitivity, are all included in this category.**

**As part of its efforts to raise awareness among students regarding gender equality, the Institute has implemented a number of programmes via its curricular and co-curricular plans.**

**The introduction of a Gender Sensitization course into the curriculum. The curriculum includes topics such as Understanding Gender, Gender and Biology, Gender and Labor, Issues of Violence, and Gender Studies, among others. Interactive sessions are used in the classroom to instruct students. Screenings of films and videos based on Gender equity/equality and other issues based on the syllabus are included in the teaching-learning activity, which serves to stimulate conversations, debates, and presentations.**

| 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**

| 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)

CMR College of Engineering &Technology has taken on the most ideal steps for dealing with the degradable and non-degradable waste.

Aaga composter is installed in the college premises to compost the organic waste which converts into good-quality manure. Huge amount of garden waste is deposited in separate chamber and composted to form manure. Color coded waste collection bins are placed in the college premises to collect solid waste. All the dry waste such as paper waste, old record etc and E-Waste like key boards, mother boards, printers, etcgenerated in the college will be collected by Urban Rebox IT Pvt Ltd.

All the liquid waste generated in the college premises is safely collected through underground sewer lines and sent to sewage treatment plant located near to the college. The waste water generated by RO plant is used for gardening.

Biomedical waste such sanitary napkins are collected by Rentokil Initial Hygiene India Pvt. Ltd., Hyderabad, on monthly basis. The standard operating procedures are being adopted by chemistry department for safe disposal of few less hazardous chemicals which are collected from chemistry laboratory.

Rain water harvesting pits with dry bore wells are available for

**proper absorption of water into the ground.**

| 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 | 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 | 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:**　　**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 | View File |
| Various policy documents / decisions circulated for implementation | View File |
| 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 | View File |
| Certification by the auditing agency | No File Uploaded |
| Certificates of the awards received | View File |
| Any other relevant information | No File Uploaded |

**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.**

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

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| 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).

A wide range of activities are carried out by the Institution in order to promote human and global ideals such as truth, love and peace, values, harmony, among others. Institution is striving to promote values among students. The endeavour is to be seen as an investment in the establishment of a foundation for lifelong learning, as well as in the promotion of human excellence, social cohesion, national integration, and global unity, among other objectives. Wediscuss some common misconceptions and misunderstandings regarding certain values, how they might be acquired, and what factors contribute to the internalisation of values. As a result, it advances the argument that key value concerns in teenagers must be grounded in the context of the student's holistic development as a human being and as a responsible member of society.


Also encouraged the establishment of value concerns that are rooted in contemporary contexts such as various social issues, inter-religious harmony, gender equality, and appreciation for multiple identities in an era of globalisation, inclusivity, the growing influence of science and technology. Depending on the cultural requirements, and backgrounds of the students, these activities give a framework for prioritising the values that should be cultivated in each of them.

| 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:

CMRCET raises awareness of national identities and symbols, as well as the fundamental obligations and rights of people in the country. The concept behind raising public awareness of fundamental rights is to underline the responsibility that people have in return for the extensive Fundamental rights that they enjoy. National symbols are more than just indirect representations of a nation's citizens, ideas, or feelings; they have a deeper, more profound meaning that encompasses a broader spectrum of a nation's values and traditions, as well as historical depictions of the nation that, in the end, unify the nation. The fact that they are associated with the history of a country demonstrates respect and high regard for them, to the point where they are included in the Constitution, so granting them protection under the law. We teach the students that it is important to remember that these symbols are "broader than an ideological movement" and that "for a colour or an emblem to have an impact on history, it is not enough for it to be chosen once; it must be adopted by the people, perceived, and received. Our goal is to raise awareness among students about their rights.

| File Description | Documents |
|---|---|
| Details of activities that inculcate values necessary to transform students into responsible citizens | View File |
| Any other relevant information | No File Uploaded |

**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 | 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 | No File Uploaded |

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

As a way of remembrance of the great sacrifices they made for the nation, CMRCET organizes national and international festivals and events.

To appreciate our culture and religion, the college Management, the Principal, students, faculty, and other staff of the college work together and commemorate various memorable occasions. The management and the Principal address the gathering by sharing the importance of freedom fighters on Independence Day and Republic Day. National flag is hoisted and a parade is organized by the NCC cadets along with the band. As a responsible social entity, the Institute is committed to passing down its patriotism and awareness to the next generation through presenting medals to students who excelled in various sports and other competitions.In addition to these events, International women's day and Human rights day are also celebrated.

CMRCET celebrates Traditional Day every year to promote unity and diversity. We honor all ethnic festivals and invite everyone to wear ethnic attire to exhibit all the cultural festivals on campus. Students are highly motivated to participate in cultural activities. Institute celebrates occasions like Teachers Day, Yoga Day, Engineers Day and Youth Day etc.

| 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 | **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

**Title of Best Practice 1: Progression of Scientific Research& Development (R&D) Activities**

- **The Research &Development(R&D) Centre of the Institute is recognized by the Scientific and Industrial Research Organizations and departments of CSE, ECE, EEE, & MBAare recognized as research centres by JNTU Hyderabad. SEED Money is provided to carry out for preliminary work to improve the possibility of acceptance of funding. R&D Centre conducts Research Advisory committee meetings timely to review the progress of research activities and to suggest the activities.Number of research papers published by the students and faculty has improved (around 211 research papers published)**


- **Title of Best Practice 2:STP - CMR College of Engineering & Technology: A complete gravity flow system, no external pumping is used, its first of it's a kind system designed where the treatment cost is near to zero. The system can handle the domestic waste water to the capacity of 200 KLD. We have adopted the most natural ways to revitalize the waste water so that the quality and natural properties of the water are sustained and we get recycled water in the best form. Wetlands, which are naturally formed landscape, have been at work rejuvenating water since ages.**

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | https://cmrcet.ac.in/wp-content/uploads/2021/12/Best-Practices-I-and-II.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)

Centre for Engineering Education and Research (CEER) is established with a distinctive goal. It not only encourages the faculty and students to give research exposure in their respective field but also driven with a motif to meet the present societal needs and help the under-privileged and unprivileged learners of the society through NGOs and build in them the required skills that would meet the demands of the market.

To realize the goal of the CEER, it was decided to address the major concerns viz social awareness & social responsibility, contribution & coordination skills and self-initiative & self learning skills. In order to meet the challenges mentioned latter it was decided that a proper channel shall be introduced for the effective implementation and execution of the same. Hence, it was decided that the graduates are exposed to ongoing problems of the society in order to give the first hand experience and suggest a compatible solution.

In the case of Teaching learning practices the faculty and the students are encouraged to register and complete various certification courses in order to expand their scope learning and experience.

| 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. |

**Relevance to Local and Regional Needs**

**CMRCET offers various courses that meet the requirements of local/regional needs. The courses such as Introduction to Social Innovation, Social Innovation in Practice, Engineering Exploration & Practice will help in identifying the community related problems during the students visit to community and provide a technological solution to them.**

**Relevance to the National Needs**

**The CMRCET has substantial role towards the national development by imparting value based quality education. Courses such as Gender Sensitization, Environmental Sciences, Indian Constitution and Essence of Indian Traditional Knowledge sensitize the students towards gender equality, environmental issues, constitutional responsibilities and the Indian Traditions.. The Curricula developed has significant contributions to the following national missions:**

- **Digital India (Education through ICT)**
- **Make in India**
- **Swatch Bharat Abhiyan**
- **Unnat Bharat Abhiyan**
- **Women Empowerment**
- **Skilling India**
- **Solar Energy Mission**

**Relevance to the Global Needs**

**Strong emphasis is laid on inter/multi-disciplinary research in priority areas of national/global needs. The innovative ideas of the students are invited/presented on "Ideation Day". The ideas with the concern of local/national/global needs are identified and incubated in the college. The support of expert faculty is provided to the students to convert the idea to a**

**reality.**

| 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

**0**

| File Description | Documents |
|---|---|
| Minutes of relevant Academic Council/BOS meeting | View File |
| Details of syllabus revision during the year | View File |
| 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

**500**

| 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 | No File Uploaded |

## 1.2 - Academic Flexibility

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

**6**

| File Description | Documents |
|---|---|
| Minutes of relevant Academic Council/BoS meetings | View File |
| Any additional information | **No File Uploaded** |
| 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

**13**

| File Description | Documents |
|---|---|
| Minutes of relevant Academic Council/BoS meetings | View File |
| Any additional information | **No File Uploaded** |
| 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

**With a view to integrate the cross cutting subjects relevant to gender, environment and sustainability, human values and professional ethics, CMRCET has introduced different types of courses in the curriculum. The courses are designed in such a way to enhance professional competencies, inculcate general competencies like social & ethical values, gender, human values & professional ethics, environment sensitivity etc., thereby leading to the holistic development of students.**

**The students undertake different activities to inculcate these values in a professional manner. The different activities are covered under the various committees and clubs such as Women Empowerment Cell, Anti-Ragging Committee, NSS/NCC, Community Club, Eco Club etc. These committees and clubs play a major role in smooth functioning of the institute.**

**The mandatory courses such as Environmental Sciences, Soft Skills & Professional Ethics, Gender Sensitization, Indian Constitution, Essence of Indian Traditional Knowledge are included in UG and Value Education, Stress Management by Yoga,**

**Personality Development through Life Enlightenment Skills etc. are included in PG Courses. In order to emphasize the importance of the course to students about the environment and sustainability issues, a number of activities such as seminars, workshops, guest lectures, and industry visits are organized.**

| 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 | **No File Uploaded** |

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

**17**

| 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 | **No File Uploaded** |

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

**1901**

| 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

**2446**

| 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 |
|---|---|

| File Description | Documents |
|---|---|
| Provide the URL for stakeholders' feedback report | https://cmrcet.ac.in/stakeholders-feedback/ |
| 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 | A. Feedback collected, analysed and action taken made available on the website |
|---|---|

| File Description | Documents |
|---|---|
| Provide URL for stakeholders' feedback report | https://cmrcet.ac.in/feedback-analysis-action-taken-report/ |
| 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

1177

| 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)

**601**

| 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.

CMRCET Pre-admission counselling and post-admission interventions begin at the college. After acceptance, students are categorised as Advanced or Slow depending on their qualifying test and EAMCET. Midterm exams, assignments, classroom interactions, and mentoring are used to measure student learning in succeeding semesters. Students are labelled as advanced and slow learners based on their activity performance, and all stakeholders are informed.

IQAC has brainstormed a number of solutions for advanced and slow learners' curricular interventions and processes.

Catering the needs of advanced learners:

- Encouraged to register for MOOCS learning courses like NPTEL.
- Exposed to IoT, AI/ML, Data science.
- Encouraged to compete in Smart India Hackathon, Smart city Hackathon, NASA Space Apps challenge, ACM ICPC.
- Students should join IETE, IEEE, CSI, IEI, ACM, SAE, and ACCE.
- SAE Collegiate group promotes SAEINDIA activities.
- Campus training on technologies like Python, Revit, ServiceNow, Zensar, Fusion 360.

- Encouraged to run Cyber Security Club/Coding Club/The AI Mind club/Andriod club independently

**Catering the needs of slow learners:**

- Lateral students pursue programming, math, and communication courses to bridge the gap between high school and engineering.
- Remedial classes are conducted by subject experts/senior faculty to clear their doubts in specific subjects
- Special attention /counselling by mentors
- Special soft/communication skill courses

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | https://cmrcet.ac.in/wp-content/uploads/2022/05/2.2.1-Slow-Adv-learners.pdf |

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

| Year | Number of Students | Number of Teachers |
|---|---|---|
| 12/08/2021 | 4500 | 235 |

| 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:

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

Response:

CMRCET adopts student centric methods to make the Teaching Learning process more effective for the holistic development of students through Experiential learning, Participative Learning

and Problem solving Methodologies. Faculty of the institute imparts subject knowledge as per the syllabus and curriculum and foster self management and usage of knowledge, holistic development and skill development through participatory learning activities such as following lecture method in combination with other teaching methods. The extent of the lecture methodology differs/varies from course to course. However there has been a paradigm shift in teaching from purely chalk and talk methods to adopting a judicious mix of lecture method and modern methods of pedagogy.

The following activities have been adopted by the faculty at different levels and they adorn student-centric methods:

Experiential learning:

- Laboratory sessions

- Industry visits

- Field works and Internships

Industry Oriented Mini Projects

- Community outreach programme

Participative Learning:

- Expert Lectures

- Workshops and seminars

- Group discussions and role plays

- MOOCs

Problem Solving Methodologies:

- Developing Models in Engineering and science:

- Project Based Learning :

- CodeAthon:

NOTE: For additional information please go throught the

**attached document.**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Link for additional Information | https://cmrcet.ac.in/wp-content/uploads/2022/11/Participative-Learning.pdf |

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

**ICT impacts everything in life. ICT in education improves information transfer. In schools and institutions, online e-books are replacing textbooks. ICT is taught across CMR College of Engineering and Technology. All classrooms have computers/laptops, internet, LCD projectors, and PA systems. Our school has incorporated technology so kids may access more knowledge. Our workforce is tech-savvy. The ICT Committee has hosted workshops on using ICT to improve education. Understanding complex things is easy. Interactive classrooms may enhance attendance and attentiveness.**

**ICT helps student education. NIME report, Japan. Teachers must rethink how they meet students' learning needs and adapt courses to human thought. Using ICT, we may create a stress-free presentation.**

**Swayam courses, You Tube videos, National Digital Library, Moodle software, Digital Library, spoken Tutorials, NPTEL LINK, Google Class rooms, MOOCs, blogs, faculty video lectures are well-documented ICT goods. ICT may be used as a store-and-forward device in certain domains.**

**Faculty create PPTs, NPTEL links, and youtube videos. Students get this information via Moodle, Blogs, and Digital Library. Professors link students via google classroom and enables online teacher-student communication. Expert faculty members' lectures are recorded and accessible to students. Students who missed the material and sluggish learners will benefit.**

| File Description | Documents |
|---|---|
| Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process | https://cmrcet.ac.in/wp-content/uploads/2022/05/2.3.2-ICT-Enabled.pdf |
| 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

**221**

| 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

**Response:**

**The IQAC, Deans and Principal prepare the Academic Calendar before commencement of the academic year. The calendar contains the detailed information regarding Commencement of class work, Instructional days, recess, internal examinations, end-semester examinations, etc. The academic activities of the college are strictly adhering to the Academic calendar. In adverse cases approval from IQAC would be taken to deviate from the academic plan. The Academic Calendar is circulated to the students, faculty, college and departmental notice boards and displayed on website http://cmrcet.ac.in/acedemics_schedules.php.**

**Learning/Session/Lecture Plan:**

**Course File/Session/Lecture Plan includes:**

- **Course Description**
- **Course Objectives and Outcomes**
- **Course Outcomes mapping with PO's**
- **Syllabus**

- **List of Books**

1. **Text Books**
2. **Reference Books**

- **Detailed Lecture/Hour by Lecture/Hour plan for the entire semester that shows:**

  - **Topics to be covered for each lecture/hour (Black Board, PPT's, Videos, Handouts, drawings, etc…)**

- **Topics covered beyond syllabus / Additional Topics with proofs.**
- **Worked out Examples and Problems if any...**
- **Previous Mid Question Papers**
- **Previous End Exam Question Papers with Scheme**
- **Class Time Table**
- **Personal Time Table**
- **Students List**
- **Remedial / Tutorial / Extra classes taken with proofs if any…**
- **End Semester Results**

**NOTE: For additional information please go throught the attached document.**

| 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

**235**

| 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**

69

| 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)**

235

| 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**

65

| 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**

34

| 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

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


Response:

CMRCET's Examination Branch consists of the Chief Superintendent, Dean (Examinations & Evaluation), Controller of Examinations, and three Assistant Controllers of Exams. They handle student registrations, tests, assessment, results dissemination, and records for all CMRCET courses.Academic Calendar Examination Branch provides Internal Exam timetables twice a Semester, three weeks before examinations. End Semester Exams are announced six weeks ahead.

Processes Integrating IT

Since April 2019, the Institute double-evaluates digital work. Exam Branch operations are integrated utilising BEEs' Examination Management System (EMS). Students register and pay for exams online using unique log-in information.

EMS facilitates,

- Generation of Hall tickets and OMR
- Present &absentees statements and D-Form generation
- Scanning, Coding and decoding of answer scripts
- Bundling of answer scripts subject wise
- Generation of bundle key for digital evaluation
- Online accessing and valuation of digital answer scripts by valuators

- **Tabulation &Publish of results**
- **Results analysis branch wise and semester wise**
- **Revaluation registrations through online**
- **Generation and printing of Provisional certificates and consolidated grade cum credit sheets**
- **Transcripts**

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional Information | https://cmrcet.ac.in/wp-content/uploads/2022/11/Examination-Manual.pdf |

## 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

**Outcome-Based Education (OBE) is a student-centric learning methodology that helps instructors design course delivery and evaluation. End-of-program conditions must be met. According to the Washington Accord, "graduate qualities are exemplars of approved school graduation traits." Accreditation board defines Graduate Attributes (NBA). Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) indicate what graduates should be able to perform. POs should match Graduate Attributes. All programmes at the institution measure PO/PSO. POs and PSOs map to COs.**

**Course Outcomes are the baseline for measuring student achievement in each course. COs are domain-specific outcomes expressed with action verbs that are concrete, quantifiable, and demonstrable by students. All courses have outcomes. Professors construct curricula with results in mind (while planning lessons, designing assignment & assessments, lecturing and other activities).**

**Program Outcomes (POs), Program Specific Outcomes (PSOs) are communicated via the following channels:**

**The Program Outcomes are published at**

- **College website**
- **Syllabus books.**
- **College library and Department Library,**

- Notice Boards and Corridors of Department,
- Laboratories
- Canteen
- Class rooms

Faculty workshops, student awareness, induction programmes, and faculty meetings make programme results accessible to all stakeholders.

The Course outcomes are disseminated to students through

- Syllabus books.
- College website.
- Laboratories.

| File Description | Documents |
|---|---|
| Upload COs for all courses (exemplars from the Glossary) | [View File](#) |
| Upload any additional information | [View File](#) |
| Link for additional Information | https://cmrcet.ac.in/wp-content/uploads/2022/05/2.6.1-Course-Outcomes.pdf |

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

CMRCET has learning outcomes for each academic programme and integrates them with its vision and purpose. The learning result is evaluated by senior academics, BOS.

The college uses well-structured teaching and evaluation methods to follow COs and POs.IQAC and PAC analyse learning outcomes via academic audit to guarantee quality and consistency. IQAC revamps programme evaluation procedures if learning outcomes aren't fulfilled.

Direct and indirect evaluation techniques to indicate PO/PSO accomplishment. Course results are mapped to Program and Program-Specific Outcomes. All POs and PSOs have performance standards.

Written exams during a semester measure students' knowledge, abilities, and moral principles. CO, PO, and PSO-specific inquiries are made. Course outcomes are used to assess PO/PSO.

The PO assessment and attainment method has four phases.

Step1: All programme goals and PSOs are covered in the curriculum, largely via programme courses.

Step2: Course coordinators assess course results directly (exam) and indirectly (survey).

Step3: If the semester's average fulfils a PO's performance criterion, the PO is fulfilled. PSO-evaluated.

Step 4: alumni and employer surveys measure indirect programme outcomes.


COs review POs directly and indirectly. The PO attainment calculation gives direct techniques 75% weight since there are more samples and indirect ways 25%.

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://cmrcet.ac.in/wp-content/uploads/2022/11/Microsoft-PowerPoint-NBA-CSE-CMRCET-02-12-2021-v1.pdf |

## 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

984

| 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 | For this please click view file of above additional information |

**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://cmrcet.ac.in/wp-content/uploads/2022/05/2.7-Student-Satisfaction-Survey.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

CMRCET regularly creates and enhances the research facilitiesand frequentlyupdated to promote research activities. As per theneed, the budget is proposed for the enhancement of researchand allocated by passing the budget proposal through resolutions in the Governing Body Meeting.

The center for Artificial Intelligence & Deep Learning is powered with an efficient deep learning server with a configuration of Hp Z820 with Dual Xeon E5 2660/64GB RAM/2X600GB SAS 10K HDD/ Quadro K6000 12GB Graphic card.

The Research and Development center of CMRCET is recognized byScientific and Industrial Research Organization (SIRO).To meet the contemporary issues related to Cyber security, the R&D centerstarted the National Cyber Defense Security Resource Center.

Virtusa Centre of Excellence (COE) ,Data Science & Big Data AnalyticsCOEin association with DELL EMC and ICT Academy to understand business intelligence and data analytics is a status mark in view ofResearch and Development .

Centre for Innovation and Entrepreneurship (CIE) is established which promotes Technology Entrepreneurship and supports start-up incubation.

Institute has a Centre for Engineering Education Research "CEER" where the concepts are established byrecognizing the needs of the end-user,defining solutions and eventually nailing to a solution.

| 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://cmrcet.ac.in/files/Research/RD%20 POLICY%202017-18.pdf |
| 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)**

**2.45 lakhs**

| 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**

**5**

| 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 | 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)

342.83

| 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 | Nil |
| List of research projects during the year | View File |

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

13

| 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

**5**

| File Description | Documents |
| --- | --- |
| Supporting document from Funding Agencies | View File |
| Paste link to funding agencies' website | https://dst.gov.in/seed-home |
| 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.

**CMRCET has an ecosystem for innovations along with the incubation center and other initiatives for the creation and transfer of knowledge. The college has a Research and Development Cellwhich motivates and inculcates research culture among the faculty /students to undertake research projects . The R&D cell promotes the publication of quality journalsby providing research and financial support.**

**The R&D cell identifies the reputed funding agencies and supports and encourages the students/faculty to come up withprojects that are promoted to the Center for Innovation and Entrepreneurship (CIE) and share their ideas in "Ideation Day" . The Institute has a Center for Engineering Education Research "CEER" where the ideas formulateintoa solution.**

**The Institute strongly encourages IP creation and has laid a well definedpolicy and Various Patents were published .**

**The Institute has a center known as Engineering Projects in**

Community Services (EPICS) which encourages the students to realize their Idea and work on an idea.. As part of EPICS,students visit the nearby villages, finds problems and try to give technological solutions, which increase the ability toconceptualize the idea, design the prototype.

The Industry-Institute Interaction Cell (IIIC) bridges the gap between industry andhelps in formulating interdisciplinary projects for implementation.

| 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

26

| File Description | Documents |
|---|---|
| Report of the events | [View File](#) |
| List of workshops/seminars conducted during the year | [View File](#) |
| 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 | [View File]() |
| 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**

**0**

| File Description | Documents |
|---|---|
| URL to the research page on HEI website | https://cmrcet.ac.in/wp-content/uploads/2022/05/Upload-copies-of-the-letter-of-the-university.pdf |
| 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**

**169**

| 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**

**66**

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| 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

**224**

| 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

**8**

| File Description | Documents |
|---|---|
| Bibiliometrics 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)

**54.89**

| 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 | 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

CMRCET conducts and takes part in a variety of extension activities with an objective of not only sensitizing students in various public issues but also contributing to the neighborhood and reinforcing community participation. The NCC and NSS schemes of the Institute initiated various events like organizing camps, promoting Swatch Bharat, blood donation camps, awareness programs on anti-ragging, educating the villages, etc.

Events like Haritha Haram, donating for victims affected by

natural calamities, digitization, etc are successfully conducted with the cooperative participation of the volunteers in collaboration with other agencies/NGOs. The NSS wing takes care of arranging guest talks on topics like gender issues, women's security, conducting yoga day etc. Conducts environmental awareness activities like Save our ponds and lakes, Tree plantation drive-Green Revolution,'NO' to plastics, use of smoke- free crackers,Preparation and distribution of clay Vinayaka idols . Arranages Blood donation camps in collaboration with the hospitals (twice a year) .Through Centre for Engineering Education Research (CEER) students visit the nearby villages, finds problems and try to give solutions . ECO Club encourages students to participate in environmentalrelated activities .The health club with motto"Health is Wealth"provides the students with a basic knowledge on health,nutrition etc

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | Nil |

**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**

6

| 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 | 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)**

23

| 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

**6044**

| 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

**597**

| 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)

**19**

| 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 | 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 Management is committed to provide quality services to the stakeholders and in this direction strives to provide the best infrastructure support and provides the necessary budget every year as per the requirement.

The Institute has 51 class rooms with ICT facilities, LCD projectors, WIFI-LAN, PA system, and good ambience. It has Seven Smart Classrooms with multimedia facilities and 14 Tutorial rooms.It has 79 well equipped and well-maintained state of the art laboratories, 6 seminar halls to conduct various student activities, 2 Drawing halls, two 2 auditoriums with a capacity of 250 and 1800 each and 1469 computers are available.

Library: Subscribed online journals like IEEE, ASCE, J-Gate, Springer, Delnet, etc.E-books pertaining to various disciplines.Subscribed with EBSCO to access database on e-resource.

Internet and WI-FI: Wi-Fi and dedicated leased line internet facility with 100 Mbps speed is provided. The Institution is under the surveillance of 200 CC cameras.

Campus Training and Placement: A separate wing exists for the outgoingstudents for placements and higher studies (Native & Foreign), along with Soft Skills Training &Entrepreneurial development training.CMRCET has two hostels one for boys and one for girls with a capacity of 500 each.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File]() |
| Paste link for additional information | https://www.cmrcet.ac.in/assets/downloads/NAAC%20Cycle_2/Criteria4/4/4.1.1.pdf |

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 has a separate block for physical education with indoor and outdoor facilities for students to de-stress and to

have physical competence, fitness, motivation, and develop team building skills. The stakeholders are given the privilege to attend training sessions and participate in tournaments. The Institution has a separate infrastructure for indoor games like Table tennis, Chess, Caroms and outdoor games like Shuttle, Ball Badminton, Football, Volleyball, Cricket, kho-kho, Throw ball, Basket ball, Kabaddi, etc. The College has qualified trainers to train the students to participate in various Inter and Intra leveltournaments. Our students have represented at the Inter-Collegiate/University/National/International level and won prizes at Inter-Collegiate and statelevel.

An exclusive Gym is available for the stakeholders to provide an arena for body building and health. The Institute has a Yoga center with a certified trainer for personal transformation. The Institution has spent Rs 4.29 Lakhs on Sports, Infrastructure, and its activities. The students areencouraged to practice and participate in various competitions at different levels. The Institute conductsvarious sports competitions every year, and several colleges across the state participate in the Inter-Collegeevents. The list of the events conducted during Sports Fest in CMRCET is mentioned in additionalinformation.

| File Description | Documents |
|---|---|
| Geotagged pictures | View File |
| Upload any additional information | No File Uploaded |
| Paste link for additional information | https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102230/4.1.2_1582010474_2560.pdf |

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

54

| File Description | Documents |
|---|---|
| Upload any additional information | No File Uploaded |
| 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)**

39.93

| File Description | Documents |
|---|---|
| Upload audited utilization statements | [View File](#) |
| Details of Expenditure, excluding salary, during the years | [View File](#) |
| 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)

CMRCET Central library is fully automated with 'Newgenlib' Software (version 3.2) since 2007 and all the books were classified according to DDC and arranged according to classified order in the racks. All the books and other reading materials are entered in library automation software and circulations (Issue & Returns) based on Barcode system. All the stakeholders are given access to e-resources and digital content of the Library can be accessed using the IP address http:// 27.116.17.114 through 28 systems dedicated to browse the digital collection comprising of e-journals, e-books and e-databases from IEEE, ASCE, DELNET, N-LIST, EBSCO E-Books, KNIBUS Digital Library etc. All the library resources can be accessed through LAN within the campus and the e-journals can be accessed from remote locations by all the stakeholders using the email ids and their passwords given by the college. Around 9100 Video lectures (NPTEL) are available for ready access from the digital library on IP 172.16.15.189 through LAN.The Library is headed by the Librarian along with supporting staff and overseen by an Advisory Committee consisting of Principal as chairman, Librarian as Convener and one faculty member and two students from each department as members.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| 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 | [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)**

**22.79**

| File Description | Documents |
|---|---|
| Audited statements of accounts | [View File](#) |
| 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) | [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**

**172**

| File Description | Documents |
|---|---|
| Upload details of library usage by teachers and students | [View File](#) |
| 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 total number of computers presently available is 1469 that is on LAN.**

1. 51 Classrooms were provided with ICT Facilities
2. Internet facility with speed 100 Mbps.
3. The library is updated with ILMS software.
4. Intra-net connectivity is provided on the campus with 20 GBPS fibre optical cable.
5. A new firewall 'Cyber rom-300NG' was installed for the security of the campus network with filtering features.
6. ERP software has been installed in 2014 for student and staff information management.
7. All the systems have been provided with backup through the uninterrupted power supply.
8. Seqrite antivirus software has been installed for all the systems.
9. The Institute has 200 surveillance cameras.
10. A centralized server room with 8 servers was set up.
11. The Examination branch is fully automated with BEES BET PLUS software.
12. 7 Wi-Fi access points with extenders provided to cover the entire campus.

Internet Provider: Vainavi Industries Ltd.

Periodically computers are updated as under:

A.Y. 2020-21: 245 new Dell computers were procured with a configuration of core i5 10th generation of 16GB RAM, 1TB HDD.

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | Nil |

## 4.3.2 - Student - Computer ratio

| Number of Students | Number of Computers |
|---|---|
| 4219 | 1469 |

| File Description | Documents |
|---|---|
| Upload any additional information | View File |

| 4.3.3 - Bandwidth of internet connection in the Institution and the number of students | A. ?50 Mbps |
|---|---|

**on campus**

| File Description | Documents |
|---|---|
| Details of bandwidth available in the Institution | View File |
| 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**

**A. All four of the above**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional information | https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102230/4.3.4_1581947778_2560.pdf |
| 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)**

**30.58**

| File Description | Documents |
|---|---|
| Audited statements of accounts | View File |
| 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 maintenance and utilization of physical, academic and support facilities are governed by standardprocedures as mentioned below, concerning Laboratories, Library, Sports**

centre, computer systems, andclassrooms.All the Laboratories are maintained in proper working conditions in terms of the premises as well as allpieces of equipment, i.e., consumables and non-consumables, as overseen by the concerned Lab In charges.Separate registers are maintained for lodging complaints, stock keeping works executed, etc.The repair and servicing of equipment are carried out after obtaining statutory approval of the concernedHead of the Department, Principal, and Secretary. The procurement of newequipment is as per the standard procedures wherein, the lab in-charge applies to the Principal through theHead of the Department. Upon obtaining approval from the Secretary, quotations/tenders are invited basedon the tentative cost of the equipment.The Central Library is headed by the Librarian who oversees the maintenance and utilization of thepremises and all the books, data, etc. The sports centre is headed by the Physical Director who oversees the maintenance and utilization of thesports premises as well as all sporting items/equipment, grounds, etc. List of sporting items, equipment,etc. are maintained in stock registers.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| 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

933

| File Description | Documents |
|---|---|
| Upload self-attested letters with the list of students receiving scholarships | [View File](#) |
| 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

**104**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| 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://cmrcet.ac.in/files/NAAC2021/criteria5/5.1.3/landing page.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**

**986**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Number of students benefited 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**

A. All of the above

**with zero tolerance Mechanism for submission of online/offline students' 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 | **No File Uploaded** |

## 5.2 - Student Progression

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

**768**

| 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

**73**

| 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**

**88**

| 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**

**Nil**

| File Description | Documents |
| --- | --- |
| e-copies of award letters and certificates | No File Uploaded |
| 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 active Students Council (Student conclave) which has student representatives. The members of the Student Council are elected.**

**Through active participation, members of the Student Council and other student representatives frequently serve in following Academic and Administrative Bodies/Committees: Internal Quality Assurance Cell (IQAC), Class Review Committee,Library Committee, Canteen Committee, Hostel Committee, Women Empowerment Cell, SC/ST Cell, Cultural Committee, Sports Committee, Publications Committee, NSS Committee, Anti-Raging committee, Labs-Browsing/Computer lab Committee, Training & Placement Committee, Grievance Redressal Committee, NCC Committee, Equal Opportunities Centre, ED Cell/Incubation Centre, and Ladies Waiting Hall Committee.**

**Student Clubs: Co-curricular clubs like Coding Club, Cyber Security Club, Circuitronics Club, Web Technologies Club; Extra-Curricular Clubs like Event Management Club, Photography Club, CMR Talkies Club, Music Club, Dance Club, Arts Club, Voice of**

**Youth Club, Literary Club, Fitness Club, Sports Club, Eco Club, Health Club, Unite Up for a Cause Club etc. These clubs are managed by student secretaries and organize activities every Saturday afternoon.**

**Besides, the students involve themselves in various professional society chapters like IE (I), SAE, ISTE, IEEE, IETE, CSI, ACCE, HMA.**

| 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

**Nil**

| File Description | Documents |
|---|---|
| Report of the event | **No File Uploaded** |
| List of sports and cultural events / competitions organised per year | **No File Uploaded** |
| 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

**CMRCET alumni association is a registered body with registration number 981 of 2019 under MGR educational Society. The members of the alumni association have regular interaction with the Principal, the management, faculties and staff members regarding the overall development of the institution. The Alumni association committee is formed every three years in Alumni meet and holds two executive committee meetings on an average every year and future plans are discussed. Annual Alumni meet is held in the month of December every year.**

**The Alumni are members of Board of studies of each department, serve as resource persons for Guest Lectures, conduct mock personal interviews, discuss job opportunities, give feedback**

on syllabus and infrastructure available in college, offers job oriented training, arrange industrial visits to the students and provide inputs on start ups and turning them in to job providers, guide the students about the career opportunities,share their professional experiences with students,visit campus on regular intervals to assist the new student batch in scheduling and coordinating activities, providing support and guidance to various student clubs, extend support in campus placements and internship programmes. The alumni also contribute financially to Institute towards development apart.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional Information | Nil |

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

C. 5 Lakhs - 10 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

Response:

Our Vision is to remain a premier academic institution striving continuously for excellence in technical education, research and render technological services to the nation.

Our Mission is to create and sustain a community of learning in which students acquire knowledge and learn to apply it professionally with a concern for the society.

Pursue and Disseminate Research Findings and Offer Knowledge-Based Technological Services to Satisfy the Needs of Society

and the Industry.

Promote Professional Ethics, Leadership Qualities and Social Responsibilities.

Governance

The institute is one of the best Engineering Colleges in the state of Telangana, established in 2002. The Government of A.P. through its G.O.M.S No. 39 dated 25th June, 2002 gave permission to M/s MGR Educational Society, Hyderabad. CMRCET is establishedwith the motto to serve thesociety,especially the people of the backward region of Telangana.The Management is assisted by Governing Council of the institution, which takes over the planning and execution of various domains.

The Principal is the head of both the academic and administrative domains, who is empowered by the Management and Governing Council (GC), to plan, execute and review the operational part of the affairs through IQAC and SPP in all domains.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File]() |
| Paste link for additional Information | Nil |

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

Response:

The college functions independently under the able guidance and direction of the Governing Council which consists of renowned Professors and Industry people as its members. The Principal is the key authority of the Institute working under the management members. The Principal has dispersed his powers to Deans, Controller of Examination, Heads & In-charges of the departments, Co-ordinator of the IQAC of the College, Administrative officer, NCC officer, NSS officer, Librarian, Physical Education Director (PED), Training and Placement Officer, conveners of various committees, Members of various clubs and delegate members of the Institute Academic Council (IAC). Based on the need, they meet periodically to decide upon

the various issues.

In pursuance of its Action Plan for performance evaluation, assessment, accreditation & quality up gradation of institutions IQAC of the college was established in the year 2014. Since quality enhancement is a continuous process, the IQAC has become a part of the institution's system and works towards realization of the goals of quality enhancement & sustenance. The prime task of the IQAC is to develop a system for conscious, consistent & catalytic improvement in the overall performance of the institution.

| File Description | Documents |
|---|---|
| Upload strategic plan and deployment documents on the website | [View File](#) |
| Upload any additional information | No File Uploaded |
| 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

S No.

Key Targets Set

Implementation Status

1

Institutional Holistic Development:

CMR CET has been ranked in the band 251-300 by NIRF for the AY2020-21. And various ranks in Careers360 Outlook magazine Times Survey

Accredited by NAAC with A+ Grade w.e.f.23.02.2021 for a period 5 years , Achieved UGC Autonomous in 2014 and 2021.

2

**Infrastructure Development:**

Establishment of Centre of Excellence in various departments and plan for purchase required infrastructure

3

**Strengthening Faculty:**

- In pursuance of strengthening the faculty CMRCET has recruited more number of PhDs.
- As of now 39 faculties with doctorate degree are available. And faculties attended FDPs, SWAYAM NPTEL certifications.
- Incentives/ Processing fee/ Registration fee is being paid for the Faculty towards Research Publications.

4

**Research & Development:**

Established Research Centres and signed in various MOU for collaborative Research work

5

**Student Career Development Cell:**

A skill development cell is established, with advanced technology skill development programmes for students

6

**Academic Excellence:**

The updated curriculum includes CBCS and open electives.

The implementation of outcome-based education and SWAYAM NPTEL has certified me.

7

**Examination Reforms:**

For the evaluation of PG and UG (both CIE and SEE) courses, Digital Evaluation is being used .

| File Description | Documents |
|---|---|
| Strategic Plan and deployment documents on the website | [View File](#) |
| Paste link for additional information | Nil |
| 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.

**Response:**

The organization has a well-structured administrative setup with Governing Body as the highest decisionmaking body and various other functional bodies and committees.

**1. Administrative Setup:**

The apex body of the organogram is the Governing Body which is the policy-making body for Financial, Administrative and Quality Systems under which the entire college functions are being organized and controlled. This committee meets at least once in an academic year to discuss various issues of the college.The Chairman, Secretary and Principal are the functionaries who take the responsibility of implementing the policy decision of the governing body.

**2. Service rules and Procedures:**

Service rules and procedures for the Institution are in place and documented. They are made known to all the newly recruited staff members through an Induction programme. The recruitment and the Scales of pay for various teaching positions are as per AICTE guidelines. The recruitment includes Invitations of application (Paper advertisement, through references, etc.) Preliminary assessment of the candidates (review of Resume received).Then inviting the candidates for interview Assessment of selection committee and recommendations are forwarded to the management. Final decision on recruitment is taken by Management. Promotions are also made by the selection committee only.

| File Description | Documents |
|---|---|
| Paste link to Organogram on the institution webpage | https://cmrcet.ac.in/files/service%20certificate/organo.pdf |
| 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 | 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

**Response:**

**CMRCET strongly believes that its teaching and non-teaching staff are its forte` and emphasizes their growth and development by providing certain welfare measures that make them content and gives them the needed boost to work efficiently.**

**The Institute takes care of the physical and mental health of its employees that provides a promising work environment.. All the welfare measures taken for the teaching and non-teaching staff are effectively implemented. To keep the employees satisfied and motivated, the college provides many monetary and non-monetary benefits for personal and professional growth. Cultural programmes are also conducted occasionally for**

relaxation and rejuvenation.

CMRCET duly recognizes the contribution of its employees in all aspects that lead to the growth and development of the organization.

Welfare measures taken and implemented for the teaching and non-teaching staff:

Group Insurance

Subsidy in transport

Maternity and Paternity leaves

Medical leaves and free health check-up

Canteen facilities:

Loans: All the employees in financial need can take loans.

Sponsorship for higher studies

Sponsorship for Staff development:

Financial Health Care

Special leaves

Advance Salary

Financial Assistance for the children of the employees

Outdoor activities: All the employees are taken on recreational tours to unwind, relax and de-stress.

Ex-Gratia

| 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**

266

| 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**

36

| 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.)**

270

| 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

CMRCET Strictly believes in following all statutory requirements for all audits and accounting practices. The Institution conducts internal and external financial audits regularly. As part of this mechanism, the Institution has an in-house team of two auditors of M/s Srinivas & Associates Chartered Accountants, Regd.No.0126S, who help in carrying out the internal audit. The team conducts an internal audit regularly and submits the report to the IQAC (Internal Quality Assurance Cell) Chairman. The IQAC Chairman attends all the major audit queries raised by the team and takes appropriate steps for remedial action. The external audit is conducted once in a year. The external audit is carried out by M/s MRK Reddy Charted Accountants (Regn.No.003265S) who has an experience of over 20 years. The queries which are raised are put before the Principal who clarifies & rectifies before finalizing the accounts. The Principal also contemplates and decides to appoint an Audit Sub-Committee that attends all the queries raised by the internal audit team and external auditors.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | [https://cmrcet.ac.in/wp-content/uploads/2022/09/6.4.1.pdf](https://cmrcet.ac.in/wp-content/uploads/2022/09/6.4.1.pdf) |

**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)**

25,28,200

| 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 Telangana government regulates fees to be collected from the students which are fixed by Telangana Admission and Fee Regulatory Committee (TAFRC). The fee collected from the

students generates most of the funds needed to run the Institution. Long-term loans required if any, for capital expenditure or working capital finance are obtained from a panel of external agencies. The TAFRC takes the data from respective colleges every year and finalize the student's fees.

The other sources of income are:

1. Transport fees collected from students.

2. Admission fees.

3. Application Fees.

4. NBA Fees.

5. Examination Fees.

6. Hostel fee

7. Funds from government, non-government, Counsltancy Projectand individuals

8. For conduct of various examinations of government/private organizations.

The tuition fees for students of economically & other backward classes, minorities and SC/ST are financed through scholarships from the Telangana State Government.

Strategies for optimal utilization of financial resources:

The college also rents its premises, auditoriums and playgrounds for activities like short film shootings, feature film shootings, sports meet and audio & video releases of films. The college hostels are also used to accommodate students who attend Sports meet and Conferences. The Sports Bodies pay rent for utilizing the hostel facilities.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional Information | https://cmrcet.ac.in/wp-content/uploads/2022/09/6.4.3-Final-Copy.pdf |

**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)

1.

**To conduct induction programme to the newly joined faculty**

1.

**To conduct orientation programme for the first year students**

1.

**Establishment of National Cadet Corp (NCC) Unit -II for Girls, New unit for boys**

1.

**Signing of MOAs/MOUs with Industries/NGOs/Research Institutions**

1.

**To participate in various College Rankings-NIRF & ARIIA**

1.

**To establish Centre of Excellences in various departments**

1.

**To conduct SWAYAM/MOOCs workshop on how to create ICT lectures**

1.

Laboratory equipment's and library procurements

1.

Preparation of research project proposals & writing scientific/research articles

1.

Review of result analysis of first semester

1.

Internships for pre-final year students

1.

Placement for the pre-final year students and higher education

1.

Start-ups and Incubation centres to all the UG Students

1.

Redressel of grievances received by stake holders

1.

To conduct student satisfaction survey

1.

Preparation of annual report and conduct of Academic Administrative Audit

1.

Revision of R & D policies

1.

Appling for research centres under JNTUH in various departments

| File Description | Documents |
| --- | --- |
| Upload any additional information | No File Uploaded |
| 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

The IQAC, Deans and Principal prepare the Academic Calendar before commencement of the academic year. The calendar contains the detailed information regarding Commencement of class work, Instructional days, recess, internal examinations, end-semester examinations, etc. The academic activities of the college are strictly adhering to the Academic calendar. In adverse cases approval from IQAC would be taken to deviate from the academic plan. The Academic Calendar is circulated to the students, faculty, college and departmental notice boards and displayed on website http://cmrcet.ac.in/acedemics_schedules.php.

Course File /Teaching schedule:

Faculty prepare the Course file as well as Teaching schedule as per credits of the subjects.

Course File includes, Course objectives, Course outcomes, CO-PO mapping, Syllabus, Time Tables, Students List, Detailed Teaching plan with pedagogies and ICT Tools, Assignments, Projects, Assessments, Learning resources posted in LMS.

Faculty will calculate CO attainment through various assessments and take remedial measures for not attainted students.

Dean Academic /

IQAC reviews periodically the teaching and learning process, ICT tools used, Pedagogies, quality of assignments and question papers, Assessment tools for CO and PO attainments, infrastructure requirement for teaching and learning.

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| 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 | https://cmrcet.ac.in/annual-quality-assurance-report/ |
| 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 approach to education at CMR College of Engineering & Technology has always been centred on the needs of the students. Since its inception, the Institute has worked hard to provide its students with a well-rounded developmental education while keeping its Vision and Mission in mind. Technical education, as well as moral/ethical/gender justice and sensitivity, are all included in this category.**

**As part of its efforts to raise awareness among students regarding gender equality, the Institute has implemented a**

number of programmes via its curricular and co-curricular plans.

The introduction of a Gender Sensitization course into the curriculum. The curriculum includes topics such as Understanding Gender, Gender and Biology, Gender and Labor, Issues of Violence, and Gender Studies, among others. Interactive sessions are used in the classroom to instruct students. Screenings of films and videos based on Gender equity/equality and other issues based on the syllabus are included in the teaching-learning activity, which serves to stimulate conversations, debates, and presentations.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](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

| File Description | Documents |
|---|---|
| Geotagged Photographs | [View File](View File) |
| Any other relevant information | [View File](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)

CMR College of Engineering &Technology has taken on the most ideal steps for dealing with the degradable and non-degradable waste.

Aaga composter is installed in the college premises to compost the organic waste which converts into good-quality manure. Huge amount of garden waste is deposited in separate chamber and composted to form manure. Color coded waste collection bins are placed in the college premises to collect solid waste. All the

dry waste such as paper waste, old record etc and E-Waste like key boards, mother boards, printers, etcgenerated in the college will be collected by Urban Rebox IT Pvt Ltd.

All the liquid waste generated in the college premises is safely collected through underground sewer lines and sent to sewage treatment plant located near to the college. The waste water generated by RO plant is used for gardening.

Biomedical waste such sanitary napkins are collected by Rentokil Initial Hygiene India Pvt. Ltd., Hyderabad, on monthly basis. The standard operating procedures are being adopted by chemistry department for safe disposal of few less hazardous chemicals which are collected from chemistry laboratory.

Rain water harvesting pits with dry bore wells are available for proper absorption of water into the ground.

| 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 | 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 | 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: | 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 | View File |
| Various policy documents / decisions circulated for implementation | View File |
| 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:<br><br>1. Green audit<br>2. Energy audit<br>3. Environment audit<br>4. Clean and green campus recognitions/awards<br>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 | View File |
| Certification by the auditing agency | **No File Uploaded** |
| Certificates of the awards received | View File |
| Any other relevant information | **No File Uploaded** |

| **7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms** | **A. Any 4 or all 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 | 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).

A wide range of activities are carried out by the Institution in order to promote human and global ideals such as truth, love and peace, values, harmony, among others. Institution is striving to promote values among students. The endeavour is to be seen as an investment in the establishment of a foundation for lifelong learning, as well as in the promotion of human excellence, social cohesion, national integration, and global unity, among other objectives. Wediscuss some common misconceptions and misunderstandings regarding certain values, how they might be acquired, and what factors contribute to the internalisation of values. As a result, it advances the argument that key value concerns in teenagers must be grounded in the context of the student's holistic development as a human being and as a responsible member of society.


Also encouraged the establishment of value concerns that are rooted in contemporary contexts such as various social issues, inter-religious harmony, gender equality, and appreciation for

**multiple identities in an era of globalisation, inclusivity, the growing influence of science and technology. Depending on the cultural requirements, and backgrounds of the students, these activities give a framework for prioritising the values that should be cultivated in each of them.**

| 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:

**CMRCET raises awareness of national identities and symbols, as well as the fundamental obligations and rights of people in the country. The concept behind raising public awareness of fundamental rights is to underline the responsibility that people have in return for the extensive Fundamental rights that they enjoy. National symbols are more than just indirect representations of a nation's citizens, ideas, or feelings; they have a deeper, more profound meaning that encompasses a broader spectrum of a nation's values and traditions, as well as historical depictions of the nation that, in the end, unify the nation. The fact that they are associated with the history of a country demonstrates respect and high regard for them, to the point where they are included in the Constitution, so granting them protection under the law. We teach the students that it is important to remember that these symbols are "broader than an ideological movement" and that "for a colour or an emblem to have an impact on history, it is not enough for it to be chosen once; it must be adopted by the people, perceived, and received. Our goal is to raise awareness among students about their rights.**

| File Description | Documents |
|---|---|
| Details of activities that inculcate values necessary to transform students into responsible citizens | [View File](#) |
| Any other relevant information | **No File Uploaded** |

| | |
|---|---|
| **7.1.10 - The institution has a prescribed** | **A. All of the above** |

**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**

| 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 | **No File Uploaded** |

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

**As a way of remembrance of the great sacrifices they made for the nation, CMRCET organizes national and international festivals and events.**

**To appreciate our culture and religion, the college Management, the Principal, students, faculty, and other staff of the college work together and commemorate various memorable occasions. The management and the Principal address the gathering by sharing the importance of freedom fighters on Independence Day and Republic Day. National flag is hoisted and a parade is organized by the NCC cadets along with the band. As a responsible social entity, the Institute is committed to passing down its patriotism and awareness to the next generation through presenting medals to students who excelled in various sports and other competitions.In addition to these events, International women's day and Human rights day are also celebrated.**

CMRCET celebrates Traditional Day every year to promote unity and diversity. We honor all ethnic festivals and invite everyone to wear ethnic attire to exhibit all the cultural festivals on campus. Students are highly motivated to participate in cultural activities. Institute celebrates occasions like Teachers Day, Yoga Day, Engineers Day and Youth Day etc.

| 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 | 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

Title of Best Practice 1: Progression of Scientific Research& Development (R&D) Activities

- The Research &Development(R&D) Centre of the Institute is recognized by the Scientific and Industrial Research Organizations and departments of CSE, ECE, EEE, & MBAare recognized as research centres by JNTU Hyderabad. SEED Money is provided to carry out for preliminary work to improve the possibility of acceptance of funding. R&D Centre conducts Research Advisory committee meetings timely to review the progress of research activities and to suggest the activities.Number of research papers published by the students and faculty has improved (around 211 research papers published)

- Title of Best Practice 2:STP - CMR College of Engineering & Technology: A complete gravity flow system, no external pumping is used, its first of it's a kind system designed where the treatment cost is near to zero. The system can handle the domestic waste water to the capacity of 200 KLD. We have adopted the most natural ways to revitalize the waste water so that the quality and natural

properties of the water are sustained and we get recycled
water in the best form. Wetlands, which are naturally
formed landscape, have been at work rejuvenating water
since ages.

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | https://cmrcet.ac.in/wp-content/uploads/2021/12/Best-Practices-I-and-II.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)

Centre for Engineering Education and Research (CEER) is
established with a distinctive goal. It not only encourages the
faculty and students to give research exposure in their
respective field but also driven with a motif to meet the
present societal needs and help the under-privileged and
unprivileged learners of the society through NGOs and build in
them the required skills that would meet the demands of the
market.

To realize the goal of the CEER, it was decided to address the
major concerns viz social awareness & social responsibility,
contribution & coordination skills and self-initiative & self
learning skills. In order to meet the challenges mentioned
latter it was decided that a proper channel shall be introduced
for the effective implementation and execution of the same.
Hence, it was decided that the graduates are exposed to ongoing
problems of the society in order to give the first hand
experience and suggest a compatible solution.

In the case of Teaching learning practices the faculty and the
students are encouraged to register and complete various
certification courses in order to expand their scope learning
and experience.

| File Description | Documents |
| --- | --- |
| Appropriate link in the institutional website | https://cmrcet.ac.in/wp-content/uploads/2021/12/Distinctive-Practice.pdf |
| Any other relevant information | No File Uploaded |

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

To be ranked by NIRF in the top Band. • To attract better input of students of below 1000 rank in state level entrance test (EAMCET). • To get lucrative Packages in Placements From Good MNCS • To ensure centre of excellences in each department work on par with the industry standards. • To establish patent cell and incubation centre. • To upgrade the existing internet band width from 2 Gbps to 10 Gbps. • To provide infrastructure for self learning facilities through MOOCS. • To maintain a conducive academic and research environment on campus, with 30 percent of the faculty holding a Ph. D. • To encourage faculty to engage in self-learning and continuing education, they will be advised. • To encourage professors to publish their research in peer-reviewed journals and conferences, as well as to provide financial incentives for high-quality publications. • To apply for a Recognized Research Centre funding from the university. • Obtain funded projects of the faculty. • Developing in-house RD by providing the necessary infrastructure and financial support. • To increase the consultancy works. • Industry Certification Programs • To enhance the teaching/learning environment • To put in place outcome-based education.