



## **YEARLY STATUS REPORT - 2022-2023**

### **Part A**

#### **Data of the Institution**

##### **1.Name of the Institution**

**Marathwada Mitra Mandal's College of Engineering, Karve Nagar, Pune**

- Name of the Head of the institution **Dr. Vijay N. Gohokar**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**
- Phone no./Alternate phone no. **7720097781 660**
- Mobile no **9881912931**
- Registered e-mail **principal@mmcoe.edu.in**
- Alternate e-mail **iqac@mmcoe.edu.in**
- Address **Survey No. 18, Plot No. 5/3, Near Vandevi Temple, Karvenagar, Pune 411052**
- City/Town **Pune**
- State/UT **Maharashtra**
- Pin Code **411052**

##### **2.Institutional status**

- Affiliated /Constituent **Affiliated to Savitribai Phule Pune University (SPPU)**
- Type of Institution **Co-education**
- Location **Urban**

- Financial Status **Self-financing**
- Name of the Affiliating University **Savitribai Phule Pune University (SPPU)**
- Name of the IQAC Coordinator **Dr. Ms. Aarti A. Agarkar**
- Phone No. **7720097781 651**
- Alternate phone No. **8669034375**
- Mobile **9822903916**
- IQAC e-mail address **iqac@mmcoe.edu.in**
- Alternate Email address **aartiagarkar@mmcoe.edu.in**
- 3. Website address (Web link of the AQAR (Previous Academic Year))** <https://www.mmcoe.edu.in/images/NAC/AQAR%202021-22.pdf>
- 4. Whether Academic Calendar prepared during the year?** **Yes**
- if yes, whether it is uploaded in the Institutional website Web link: <https://www.mmcoe.edu.in/index.php/academics/institute-planner>

**5. Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 2</b>	<b>A++</b>	<b>3.6</b>	<b>May 2023</b>	<b>01/05/2023</b>	<b>30/04/2028</b>

**6. Date of Establishment of IQAC** **04/01/2016**

**7. Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,**

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Computer Engineering	Workshop on Blender: Open source tool in association with IEI and animationwalla.com	IEI	24/09/2022	7000
Computer Engineering	IEEE Student chapter	IEEE Pune Section	07/09/2022	15594

**8. Whether composition of IQAC as per latest NAAC guidelines** **Yes**

- Upload latest notification of formation of IQAC [View File](#)

**9. No. of IQAC meetings held during the year** **01**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

**10. Whether IQAC received funding from any of the 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)**

One day workshop for strategic planning on 15/06/2022

Faculty induction program conducted on 8/7/2022

Training need analysis and four training programs for non-teaching staff

Academic and Administrative Audit conducted on 10/06/2022 and 31/03/2023

Faced NAAC Peer team visit for accreditation on 25/04/2023 and 26/04/2023

## 12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Academic and Administrative Audit	The data is collected by the faculties and audited by the external auditors.
One day workshop for strategic planning	The strategic plan for A.Y. 2022-23 to A.Y. 2024-26 was defined.
Faculty induction program	FIP was arranged for the newly joined faculties. MMCOE practices were disseminated to these faculties.
Training need analysis for non-teaching staff	The training need analysis of non-teaching staff was collected
PC Assembly for supporting staff	The training of PC assembly was arranged for supporting staff. 19 supporting staff were trained under this training
Supporting staff training of repairing and maintenance of Electrical appliances	22 supporting staff learned the skill of repairing and maintenance of Electrical appliances
Two days training program for non-teaching on	MS Excel training was given to supporting staff. It will help the supporting staff in documentation.
One day training on personality development for supporting staff	30 Supporting staff trained under this training.
NBA Visit for Electrical and Mechanical Department	Electrical and Mechanical departments are accredited by NBA.
External Academic and	The data is collected by the

Administrative Audit (AAA)	faculties and audited by the external auditor
NAAC Peer Team Visit	MMCOE is accredited by NAAC with A++ grade with 3.6 score.
Planning and Review Committee (PRC) meeting	PRC comprises all HoDs, Deans and prominent portfolio coordinators. Weekly activities are planned and reviewed in this meeting.

**13. Whether the AQAR was placed before statutory body?** **Yes**

- Name of the statutory body

Name	Date of meeting(s)
NAAC Committee	30/11/2023

**14. Whether institutional data submitted to AISHE**

## Part A

### Data of the Institution

<b>1.Name of the Institution</b>	Marathwada Mitra Mandal's College of Engineering, Karve Nagar, Pune
• Name of the Head of the institution	Dr. Vijay N. Gohokar
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	7720097781 660
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<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://www.mmcoe.edu.in/images/NAAC/AQAR%202021-22.pdf">https://www.mmcoe.edu.in/images/NAAC/AQAR%202021-22.pdf</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://www.mmcoe.edu.in/index.php/academics/institute-planner">https://www.mmcoe.edu.in/index.php/academics/institute-planner</a>				
<b>5.Accreditation Details</b>					
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Cycle 2	A++	3.6	May 2023	01/05/2023	30/04/2028
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<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					

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<b>10.Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>			<b>No</b>	
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>				
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>				
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<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name	Date of meeting(s)
NAAC Committee	30/11/2023
<b>14. Whether institutional data submitted to AISHE</b>	
Year	Date of Submission
C-41309-2021	03/01/2023
<b>15. Multidisciplinary / interdisciplinary</b>	
<p>In view of NEP 2020, MMCOE has taken steps towards the multidisciplinary/interdisciplinary courses. Courses such as Humanity and social science, business communication skills are conducted for the students. Interdisciplinary projects to solve social problems are developed by the students as part of project based learning and final year projects. MMCOE has various student clubs at Institute level such as IEEE, ISTE, GDSC, IEI, ACM, Robocon, BAJA SAEINDIA, SUPRA SAEINDIA, SAE NIS Efficycle, and SAEINDIA Aeromodelling. Students of all departments including Electrical Engineering, Mechanical Engineering, Electronics and Telecommunication Engineering, Information Technology, Computer Engineering and Artificial Intelligence &amp; Data Science are actively participating in the activities. Students learn the</p>	

interdisciplinary concepts and apply the knowledge to develop the interdisciplinary projects, as the part of student club activities. Students are participating in national and international level project competitions and won the prizes as well.

#### **16.Academic bank of credits (ABC):**

MMCOE is affiliated to Savitribai Phule Pune University (SPPU) and has the credit based system. Faculties are actively participating in the syllabus designing of their courses at University level. For assessment of the courses, faculties define the assessment tools and design the assignments, tests, quizzes for assessment of the students.

#### **17.Skill development:**

MMCOE has designed skill development programs (SDP) across diverse domains. Every department conducts these programs, enabling students from all departments to engage and receive training in their areas of interest. The "Make It Happen: Center for Invention, Innovation & Incubation" (FMCIII) enhances students' employability by offering advanced, industry-specific training developed and delivered in collaboration with Tata Technologies Ltd. and other industry partners. The certification, jointly issued by TTL, STP, and MMM, validates the acquired skills.

MMCOE offers robust mentorship to individuals aspiring to invent new products, services, or processes, as well as those interested in establishing their own ventures. The Training and Placement cell organises various skill development initiatives, emphasising the enhancement of students' interpersonal skills, contributing to their holistic development.

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

MMCOE has "Vagyadnya Abhivvyakti Gat", the student club for various activities in Marathi, Hindi and other languages. Various programs are arranged through the club to inculcate Indian culture. 'C Major' is a music club of MMCOE, established in the year 2020. The sole vision of the club is to connect the divine through rhythms and ragas. The club has performed various activities on occasions, festivals throughout the year.

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

MMCOE has well defined Program Outcomes (PO), Program Specific

Outcomes (PSO) and Program Education Objectives (PEO). The POs, PSOs and PEOs are satisfied through the teaching-learning process and the additional programs conducted at the Institute. All courses conducted at the Institute have well defined Course Outcomes (CO) which is mapped to POs and PSOs. Each department has a Program Assessment Committee (PAC). Before commencement of the semester, PAC analyses the CO-PO mapping of the courses and defines the curriculum gaps. Various activities are planned and conducted to cover the curriculum gaps. During the semester, various assessment tools such as unit tests, assignment, quizzes, etc. are used to analyze the attainment of POs and PSOs. External assessment tools are also considered to compute the final attainment of POs and PSOs. Thus, the Institute follows a well-defined OBE system.

#### 20.Distance education/online education:

The Institute was having classroom teaching in offline mode. During pandemic, the system has adopted the change from classroom teaching to blended learning. Google drive, Google classrooms, ERP are effectively used for course conduction and evaluation process. Each course contents are available on Google classroom including academic calendar, syllabus, PPTs and notes. The assessments of the courses are done through online assignments, quizzes. The MCQ tests are conducted using the ERP platform. Online sessions are conducted and recorded on Google meet. Various student activities are conducted online using Google meet.

### Extended Profile

#### 1.Programme

1.1 8

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	<a href="#">View File</a>

#### 2.Student

2.1 2827

Number of students during the year

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

2.2

300

Number of seats earmarked for reserved category as per GOI/  
State Govt. rule during the year

File Description	Documents
Data Template	<a href="#">View File</a>

2.3

680

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

### 3.Academic

3.1

173

Number of full time teachers during the year

File Description	Documents
Data Template	<a href="#">View File</a>

3.2

159

Number of sanctioned posts during the year

<b>Extended Profile</b>	
<b>1.Programme</b>	
1.1 Number of courses offered by the institution across all programs during the year	<b>8</b>
File Description	Documents
Data Template	<a href="#">View File</a>
<b>2.Student</b>	
2.1 Number of students during the year	<b>2827</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	<b>300</b>
File Description	Documents
Data Template	<a href="#">View File</a>
2.3 Number of outgoing/ final year students during the year	<b>680</b>
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1 Number of full time teachers during the year	<b>173</b>
File Description	Documents
Data Template	<a href="#">View File</a>

3.2	159
Number of sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	31
Total number of Classrooms and Seminar halls	
4.2	526.83
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	1323
Total number of computers on campus for academic purposes	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

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

Marathwada Mitra Mandal's college of Engineering is affiliated to Savitribai Phule Pune University since 2006. The institution prepares academic calendars inline with the academic calendar of SPPU for all academic activities. Academic Load is distributed to faculty members before commencement of semester and time tables are followed and monitored for effective delivery of content. As part of academic content delivery each faculty member prepares the course plan, study material, lab manuals etc. and floats them. To fulfill the gap between demand of industry and present content of syllabus every faculty member identifies the gap and tries to cover them through guest lecture, virtual lab/industrial visit/alumni interaction/workshops etc.. NPTEL videos, online courses and seminars are organized by the institution in collaboration with industries for effective curriculum delivery. For Continuous Internal Evaluation (CIE) of students, unit tests, assignments, MCQs, quizzes and other tools are used by faculty members.

Remedial sessions for slow learners are organized. Academic audits are conducted to monitor effective delivery of curriculum.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	<a href="https://mmcoe.edu.in/images/NAAC/1.1.1.pdf">https://mmcoe.edu.in/images/NAAC/1.1.1.pdf</a>

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

The institution and every department prepare the academic calendar by referring to the university calendar mentioning unit tests, In-semester examination, practical examinations. Every course coordinator prepares multiple choice questions and a detailed question bank for the entire syllabus as per the Blooms Taxonomy. Assessment of unit test papers, assignments, student lab journals, project/ seminar /internship reviews are conducted as per calendar. Academic monitoring committee conducts an inter and intra departmental faculty audit for ensuring the syllabus completion, unit test conduction, and session wise plan and presentations for every course. The corrective actions are initiated for improvement and delivery of contents. Compliance of academic audit is ensured. Oral, practical and term work examinations are conducted as per schedule mentioned in circulars received from affiliating universities. External audit of academic activities is conducted for each department.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	<a href="https://mmcoe.edu.in/images/NAAC/W_Cr1/1.1.202.pdf">https://mmcoe.edu.in/images/NAAC/W_Cr1/1.1.202.pdf</a>

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

**B. Any 3 of the above**



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

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	No File Uploaded

## 1.2 - Academic Flexibility

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

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

6

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

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

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

29

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

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

3054

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

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

Institution follows the curriculum of Savitribai Phule Pune University. Various audit course subjects are included in the curriculum to address issues like ethics, human values, Human Values, Environment and Sustainability. Apart from curriculum Institute also has an active National Service Scheme (NSS) through which many activities are conducted such as tree plantation, camp to nearby village where college students share their computer knowledge with children and villagers, hygiene importance and education options. Students clubs and forums also help to integrate crosscutting issues regularly. The Institutions Innovation Council (IIC) is celebrating Environmental Day, Earth Day, Engineers Day etc. for all institute students. Students associations of each department (MESA, BETA, ITSA, ACES) regularly organize orientation programs, technical and project competitions for all students. NSS organizes Shivaji Jayanti and Ganesh Utsav every year. Blood donation camps are regularly organized where students and faculty donate their blood to needy people through society's blood banks. The Project Based Learning (PBL) is added in the curriculum to inculcate independent and group learning by solving societal problems with the help of available resources. In every program, internships are added as compulsory courses in the curriculum where students undergo four to six weeks of industrial training.

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

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

40

File Description	Documents
Any additional information	<a href="#">View File</a>
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	<a href="#">View File</a>

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

2714

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

## 1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the **A. All of the above**

**institution from the following stakeholders**  
**Students Teachers Employers Alumni**

File Description	Documents
URL for stakeholder feedback report	<a href="https://mmcoe.edu.in/images/NAAC/W_Cr1/1.4.1.pdf">https://mmcoe.edu.in/images/NAAC/W_Cr1/1.4.1.pdf</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	No File Uploaded

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

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

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="https://mmcoe.edu.in/images/NAAC/W_Cr1/1.4.2.pdf">https://mmcoe.edu.in/images/NAAC/W_Cr1/1.4.2.pdf</a>

**TEACHING-LEARNING AND EVALUATION**

**2.1 - Student Enrollment and Profile**

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

**2.1.1.1 - Number of students admitted during the year**

**593**

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

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

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

283

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

## 2.2 - Catering to Student Diversity

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

### Efforts taken for weak students:

The institution ensures that each student obtains an education that meets their specific pace and skills by assessing students' learning levels and then devising special programmes for both advanced and slow learners

- Weak students are identified based on their performance in university exams and internal assessment.
- A full time counselor is appointed by the Institution. Counseling sessions are recommended if a student needs counseling
- Under the Student Mentoring scheme, a Teacher Guardian(TG) is assigned after every 20-25 students. Monthly TG meetings are held. TGs monitor the progress of students under their supervision. TG also encourages pupils to grow academically and in general.
- Pro-remedial/make-up lectures are conducted for weak students
- Remedial lectures are conducted for the failed students.

### Encouragement for bright students:

Bright students are motivated to special programs that might involve more challenging and advanced content, additional projects, opportunities for independent research, and participation in enrichment activities.

- Motivation to participate in Robocon, BAJA, SUPRA,

**Efficycle etc.**

- Online courses, training, and internships are recommended for them.
- Bright students are motivated to participate in various technical events, project competitions, paper publications, hackathons etc.
- Toppers of university examinations and the best outgoing students are felicitated.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.2/2.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.2/2.1.pdf</a>
Upload any additional information	No File Uploaded

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

Number of Students	Number of Teachers
2827	173

File Description	Documents
Any additional information	No File Uploaded

**2.3 - Teaching- Learning Process**

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

**Participative learning:**

- Students are encouraged to participate in Workshops, seminars, paper/poster presentations, training sessions, webinars, BAJA, ROBOCON, Efficycle, Hackathons, and other co-curricular events.
- Online courses: Students enroll for online certification courses through organizations such as spoken tutorials, NPTEL, coursera, Udemy, Matlab and Vlab.
- Annual cultural celebration Ensemble to demonstrate

students' abilities in singing, dancing, acting, sketching, and so on.

- Extracurricular activities NSS, NCC and sports activities include indoor sports like carrom and chess, as well as outdoor games like cricket and basketball.

**Experiential learning:**

- Through Student associations (ACES, MESA, ITSA, BETA and EESA, AESA) students learn management and leadership skills by organizing, coordinating various activities under the respective associations of the department.
- Professional Bodies (CSI, ISTE, IEEE, ACM, IETE, ASHRAE, ISHRAE, SAE INDIA) offer platforms to participate in technical and nontechnical activities.
- Student clubs such as Google Developers Club, IT Tech Club, Zenith Astronomy Club, Rotaract Club, and Wagyajna AbhivyaaktiGat, Kalangan hold technical, nontechnical, and cultural events to help students build leadership and interpersonal skills.

**Problem Solving Methodologies:**

- Curriculum incorporates methodologies such as Project based Learning, Project development, Seminars, Internships, mini projects, Laboratory practicals. which place students at the center of their learning by presenting them with real-world problems or scenarios to solve

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.2/2.3.%201.pdf">https://mmcoe.edu.in/images/NAAC/Cri.2/2.3.%201.pdf</a>

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

To engage students in the learning process, teachers are combining technology with traditional modalities of instruction. Every department employs ICT teaching learning procedures to support, enhance, and optimize course material delivery.

Google Apps (Drive, Classroom, Meet), Computer Systems, LCD Projectors, ERP, Wired Internet Facilities, Wi-Fi, Vlab, and Smart Boards are the ICT technologies that the institution emphasizes using.

1. Google classroom: Course coordinator shares course material of respective courses through Google classroom
2. Google Meet/Zoom: These video conferencing tools are used for conduction of online lectures/webinar/seminars etc.
3. ERP: EPR admission module is available for students admission process.
- 4.Spoken Tutorial: For spoken tutorial, the institution is a knowledge partner with IITB. Students engage in various courses through this programme, and after passing these exams, they are awarded with certificates.
5. Vlabs: The institution has been designated as a nodal center for the Vlabs developed by IIT Bombay. Students get access to a variety of subject materials.
6. Internet facility:Internet access is offered in all classrooms, laboratories, faculty rooms,office and Hostels.
7. Smart Board.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

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

**2.3.3.1 - Number of mentors**

113



File Description	Documents
Upload, number of students enrolled and full time teachers on roll	No File Uploaded
Circulars pertaining to assigning mentors to mentees	No File Uploaded
Mentor/mentee ratio	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

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

173

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

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

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

59

File Description	Documents
Any additional information	<a href="#">View File</a>
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	<a href="#">View File</a>

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

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

875

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

## 2.5 - Evaluation Process and Reforms

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

- The Dean Academics provides the guidelines for effective implementation of internal examinations. The Unit test coordinators at every department ensures conduction and assessment of Unit tests regularly.
- Unit Tests are conducted periodically after completion of syllabus units. Pattern of the unit test is communicated to students well in advance. Unit tests are conducted in Offline mode. Course coordinator prepares a question paper for the unit test. Assessment of Unit tests is done by respective course coordinators. Remedial action is conducted for failed and absent students.
- Course coordinator conducts and assesses theory based assignments.
- Practical assignments, seminars, Project based learning, Project development activities are assessed through Continuous Assessment System (CAS). At the end of semester mock Practical/Oral exams are conducted. Term-work evaluation is based on the Continuous Assessment System(CAS). CAS evaluation is based on defined rubrics and timely submission of practical experiments, overall attendance, and performance in practical sessions.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.2/2.5.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.2/2.5.1.pdf</a>

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

As part of the internal assessment of students, every department administers unit test assessments and mock practical/oral exams. Internally assessed test papers are distributed to students for self-assessment, and grades are posted on time to promote transparency.

- In case of any discrepancies regarding internal assessment, the student is free to interact with the teacher and get it resolved immediately.
- Laboratory experiments are carried out using the Continuous Assessment System (CAS). Faculty members evaluate student performance using the defined rubric.
- Project/Seminar/Project Based Learning/Internship/mini project assessment is done by the respective guide along with a panel (group of faculty members). The rubrics for Project/Seminar/Project Based Learning/Internship/mini project are designed and shared with the students.
- Grievances of internal examinations are addressed by course coordinators, Teacher guardians and the Head of the Department.
- External examination grievances are communicated to the College Examination Officer (CEO) through the departmental examination coordinator. The CEO further communicates to the university authorities to resolve it at the earliest

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.2/2.5.2.pdf">https://mmcoe.edu.in/images/NAAC/Cri.2/2.5.2.pdf</a>

## 2.6 - Student Performance and Learning Outcomes

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

### Mechanism of Dissemination :

- Institute's Vision, Mission, COs, POs, PSOs, and PEOs are displayed on the website ([www.mmcoe.edu.in](http://www.mmcoe.edu.in)). Additionally, it is displayed for the public, employees, and students to see in conspicuous places across campus.
- Alumni and employers are informed about it.

- Parents are informed about it at the Parent Teacher Meeting (PTM).
- It can be found attached to project reports, seminar reports, journals, lab instructions, and course files, among other things.
- Department Notice Boards

Communication Mechanism: The institute website contains information about academics.

All course outcomes (COs) are decided upon during the regular meetings of the course coordinator, HoD, and module coordinator. COs are defined by degrees of Bloom's Taxonomy Level. For a course of 100 marks, 4 to 6 COs are defined; for a course of 50 marks, 2 to 4 COs are defined. During the first lecture of the semester, which serves as the course introduction, course coordinators inform students about programme and course outcomes.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://mmcoe.edu.in/index.php/academics/learning-outcomes">https://mmcoe.edu.in/index.php/academics/learning-outcomes</a>
Upload COs for all Programmes (exemplars from Glossary)	No File Uploaded

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

PO and PSO assessment tools are classified into two types.

Achievement of the CO in relevant courses via Direct Assessment.

Indirect Assessment is obtained from stakeholders, extracurricular activity participants, and co-curricular activity participants.

1. Direct Assessment Method:

- Internal (Assignments, CAS, Unit Tests))
- External (University Theory and OR/PR Exam.)

## 2. Indirect Assessment Method

- Graduate Exit Survey
- Alumni Feedback
- Extra-Curricular Activities Feedback
- Co-Curricular Activities Feedback
- Employer Survey
- Parents Feedback

Survey and feedback questions are framed based on PO for indirect assessment method.

All courses have target attainment levels that are determined by the subject's level of difficulty and the results of prior years' university exams. Target is set for attainment levels.

The course coordinator prepares the CO-PO mapping with the necessary justification. As a direct tool, CO attainment is used for PO attainment.

As part of ongoing improvement, every programme has set higher goals for the years to follow as a part of continuous improvement. If goals are not met for any course, an action plan is created to meet the goals in the years that follow.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.2/2.6.2.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.2/2.6.2.pdf</a>

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

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

680

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	<a href="https://mmcoe.edu.in/images/NAAC/Cri.2/2.6.3.pdf">https://mmcoe.edu.in/images/NAAC/Cri.2/2.6.3.pdf</a>

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

<https://www.mmcoe.edu.in/index.php/igac/student-satisfaction-survey>

**RESEARCH, INNOVATIONS AND EXTENSION****3.1 - Resource Mobilization for Research****3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)**

0.226

File Description	Documents
Any additional information	<a href="#">View File</a>
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

**3.1.2 - Number of teachers recognized as research guides (latest completed academic year)**

**3.1.2.1 - Number of teachers recognized as research guides**

7

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

**3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year****3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year**

1

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	<a href="https://www.ieindia.org">https://www.ieindia.org</a> , <a href="https://www.ieee.org">https://www.ieee.org</a>

**3.2 - Innovation Ecosystem**

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

MMCOE, recognizing the pivotal role of research, has meticulously built an ecosystem for Research and Innovation, embodying a commitment to knowledge creation, dissemination, and cutting-edge infrastructure. The institution imparts a culture of innovation among students, contributing significantly to the nation's development and offering solutions to contemporary techno-social problems.

The manifold initiatives for overall student and faculty development encompass an Innovation Center, funding schemes, professional society memberships, collaborations, expert mentors, an Entrepreneurship Cell, Global Connect Cell(GCC), and

diverse research projects across domains. Foundation for Make it Happen Center for Invention Innovation Incubation (FMCIII), a collaborative venture with Tata Technologies, Science and Technology Park, and MMCOE, stands as a beacon of innovation and entrepreneurship. FMCIII supports incubation, startup initiatives, and training programs.

The Research and Development Cell incentivizes faculty research through project funding schemes, focusing on intellectual property rights and technology management. The GCC establishes channels of collaboration with global entities, exposing students to international environments. Every department has a Center of Excellence, encouraging research and developmental activities. Additionally, professional chapters, technical clubs, and student associations provide platforms for experiential learning.

The Entrepreneurship Cell identifies and supports budding entrepreneurs through workshops and expert sessions. Industry collaborations with CISCO and others facilitate certificate courses, training, and internships. The institution's major achievements, including Smart India Hackathons awards and accolades in national competitions, underscore its commitment to excellence and innovation in research and development.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.3/3.2.1%20ecosystem%20final.pdf">https://mmcoe.edu.in/images/NAAC/Cri.3/3.2.1%20ecosystem%20final.pdf</a>

### **3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year**

#### **3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year**

19



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

### 3.3 - Research Publications and Awards

#### 3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

##### 3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

7

File Description	Documents
URL to the research page on HEI website	<a href="https://mmcoe.edu.in/index.php/phd-centre/approved-guide">https://mmcoe.edu.in/index.php/phd-centre/approved-guide</a>
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

##### 3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

57

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

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

##### 3.3.3.1 - Total number of books and chapters in edited volumes/books published and

**papers in national/ international conference proceedings year wise during year**

18

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

**3.4 - Extension Activities**

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

Embracing the wisdom of "Alone we can do so little; together we can do so much," our college, driven by the motto "Yethe Bahutanche Hit (Welfare of Masses)," recognizes the profound impact of collective social work. MMCOE is dedicated to instilling social awareness in students through curriculum and extension activities, organizing blood donation camps, education awareness programs, and gender equality initiatives. The institution actively runs National Service Scheme (NSS), National Cadet Corps (NCC), and Adhar club, undertaking various extension activities in the community,

NSS volunteers address diverse social issues, contributing to cleanliness, tree plantation, water conservation, and traffic safety. The Adhar club aids students in crucial decisions during the 11th and 12th grades, offering crash courses on Python programming language, web development, and bifocal subject classes.

Aligned with ideals of sustainable development, our institution is committed to Zero-Carbon footprints and even educates Zilla Parishad primary school and local people on electrical safety, promoting safe practices in establishing electric grids and wirings. Active participation in these endeavours facilitates holistic student development, fostering leadership qualities, a commitment to social service, passion for community welfare, and enhanced community relationships. It unveils hidden talents, raises awareness, and cultivates essential social, analytical, personal, managerial, and leadership skills.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.3/3.4.3.pdf">https://mmcoe.edu.in/images/NAAC/Cri.3/3.4.3.pdf</a>
Upload any additional information	No File Uploaded

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

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

1

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

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

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

28

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

### 3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

### 3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

1696

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

### 3.5 - Collaboration

#### 3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

##### 3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

592

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

#### 3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

39

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

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

An adequate infrastructure is provided at MMCOE as per the norms specified by AICTE, New Delhi and Savitribai Phule Pune University (SPPU) to provide the infrastructure to facilitate effective teaching and learning to the students of all the streams. Modernisation and updating of infrastructure resources is carried out from time to time. The Institution provides modern infrastructure like smart classrooms, updated laboratories, library with reading room, hostel, 24 x 7 internet facilities for all.

Classrooms are provided with LCD Projectors, furniture and smart boards. All the classrooms have sufficient natural light and air. The tube-lights, fans etc are inspected regularly by attendants and department staff. The laboratories are well maintained and updated.

Library has a well maintained accession register which maintains a record of students and faculty visiting the library. Cleanliness is maintained in the library. Digital library is also maintained well with good number of journals and magazines.

Computing facility: All the departments including first year department have got computer lab with Licensed window and respective software as per the department requirement

Seminar Hall : All the departments use the seminar hall for various co-curricular & extra curricular activities. This is well equipped with audio visual facilities

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.4/4.1.1_.pdf">https://mmcoe.edu.in/images/NAAC/Cri.4/4.1.1_.pdf</a>

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

Cultural activities help students to build an all-rounder personality and improve their psychological as well as physical health. Overall development of students is enhanced through cultural activities which are carried out at college level through different clubs e.g. 'Vagyajna' club is for literature activities, Annual Magazine, 'Mandiyalee', 'Ensemble" provides platform for students to exhibit their skills in singing (solo/group), acting (street play, skit), music club.

Sports activities i.e. indoor and outdoor, gymnasium, yoga centre is also run in campus and a large number of students utilise these facilities on regular basis. The institution has provided enough space for outdoor games at a playground of 60 m x 50m. This ground is used for various games such as cricket, football, volleyball, kabaddi etc. Basketball ground area is 25 m x 13 m. For indoor games, 40 sq.m. and for gymnasium 30 sq.m space is provided. The Gym equipment includes Gymnasium multi station machine, Spin bike, Free weights like Dumbbells, Plates and Barbells, Preacher curlbench, Incline and Decline bench, Incline sit ups bench, Pull ups bar, Double bar. There is an open gym also available which includes Shoulder wheel, Triple waist Twister, Double Mini SKI, Double Air walker, Cross Trainer Skier, Elliptical cross trainer.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.4/4.1.2_.pdf">https://mmcoe.edu.in/images/NAAC/Cri.4/4.1.2_.pdf</a>

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

31

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

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

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

526.83

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

Library management system that is used in our library is 'SLIM-21' Library Management Software which consists of a cataloging system, circulation system, acquisition system and serial control system. The library management system helps in tracking the subscription period and renewal dates of the serial.

The Online Public Access Catalogue tool is provided to explore library resources. Various search options available are General Search wherein Users can search the library resources using Title, Author, Publication, Keywords and Classification number. Advanced Search facilitates search through various combinations

such as Title, Author, Publication, Keywords, Classification number. Also Accession Search which is Quick search of books can be done by using accession numbers. History of users and library resources: It is the main concern for tracking the library resources. OPAC link is shared on the college website under facilities page . The details of the library management software are as follows : SLIM - 21, version 2.9.12. Nature of automation (fully or partially) : Fully Automated with bar code technology, Version : version 3.6 and Year of Automation: 2011

Subscriptions of e-resources are renewed annually. The e-resources available with our Institute library are IEEE ASPP, J-Gate Science and Technology, J-Gate Science, humanities & DELNET

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.4/4.2.1_.pdf">https://mmcoe.edu.in/images/NAAC/Cri.4/4.2.1_.pdf</a>

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources** A. Any 4 or more of the above

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

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

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

19.32



File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

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

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

225

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

#### 4.3 - IT Infrastructure

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

The components of IT infrastructure are made up of interdependent elements, and the two core groups of components are hardware and software. Hardware uses software like an operating system to work. Hardware components include Desktop computers, Servers, Routers, access points, Switches.

A separate dedicated lab called Thin Client lab with sixty computers and a Thin Client server is also available on campus. Sufficient number of computers is allocated to all departments with necessary software and hardware configuration.

The speed of data can also be manually adjusted as per requirement of a specific department for bifurcation of bandwidth and management.

All computers are well maintained and LAN connected through a dedicated leased line. LAN facility is also available at college as well as hostel premises free of cost for all. Wi-fi facility is provided to all departments by installing sufficient number of access points.

All computers are connected to a broadband internet connection having speed (500 MBPS). Switches connect the computers on campus by local area networks (LAN). There are 85 access points to assure good WiFi connectivity throughout the campus .

A central server room

Licensed firewall in all the systems

Surveillance cameras

Face recognition system

**ERP**

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.4/4.3.1_.pdf">https://mmcoe.edu.in/images/NAAC/Cri.4/4.3.1_.pdf</a>

**4.3.2 - Number of Computers**

1323

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	<a href="#">View File</a>

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

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

**4.4 - Maintenance of Campus Infrastructure**

**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic**

**support facilities) excluding salary component during the year (INR in Lakhs)**

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

305.97

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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

- For maintaining Academic facilities:

1. Internet facility (LAN & Wi-Fi) is maintained through an annual contract given to external agencies.

2. Website is maintained by an internal staff committee and the structural changes/ upgradation of features of the website is done through an external agency if needed.

3. EPABX System/Telephone lines connect in campus

- For maintaining physical facilities:

Electrical Repair & maintenance is taken care of by an internal staff committee and if needed an external agency does the needful in case of any bigger issues.

Gardening:

Water : Water Coolers are installed on each floor and its cleanliness is maintained regularly

Cleaning & sanitation: Housekeeping contract is given to external agency annually who looks after the cleaning &

maintenance of classrooms, labs, restrooms and all service areas of the premise

**Security:** Annual contract is given to an external agency who looks after the security and safety. The agency provides security guards & bouncers who look after all the sa The whole Campus is under CCTV surveillance.

Lifts are provided for convenient vertical transportation.

**DG Set:** has a capacity of 170 kVA and provides an uninterrupted supply in case of power failure.

**Fire extinguishers:** are placed on strategic locations throughout the campus.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.4/4.4.1&amp;4.4.2.pdf">https://mmcoe.edu.in/images/NAAC/Cri.4/4.4.1&amp;4.4.2.pdf</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

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

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

1702

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

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

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

42

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

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

A. All of the above

File Description	Documents
Link to Institutional website	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.5/5.1.3.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.5/5.1.3.pdf</a>
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

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

642

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

642

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

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

**A. All of the above**

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

## 5.2 - Student Progression

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

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

376

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student placement during the year (Data Template)	<a href="#">View File</a>

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

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

35

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

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

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

75

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

## 5.3 - Student Participation and Activities

### 5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities

**at university/state/national / international level (award for a team event should be counted as one) during the year**

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

19

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

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

Every year, a student council is elected, with representatives from all branches of the institution. The student council strives for the smooth operation of daily activities. The institution has student representatives on academic and administrative bodies that are relevant to their interests. Students approach student representatives with questions or problems regarding the hostel, mess, canteen, extracurricular activities, and sports, among other things, which are then reported to a faculty member by the representative.

**Student Association and Student Chapter:**

**1. SAEINDIA MMCOE COLLEGIATE CLUB:**

The SAEINDIA MMCOE Collegiate Club was established in 2013 at our MMCOE in Karvenagar, Pune. SAE India organizes numerous national events such as Baja, Supra, Efficycle, and others.

**2. ROBOCON INDIA MMCOE COLLEGIATE CLUB:** Through competition, introduce MMCOE students to robotics, engineering, and teamwork.



3. **IEEE Student Chapter:** On May 23, 2020, MMCOE launched the "IEEE Student Branch." It hosts a variety of events such as webinars, workshops, FDPs, project competitions, and so on.

#### 4. ISTE Student Chapter ISTE-

ISTE-SC is a group of engineering students established in 2015 with the goal of creating an educational platform for students to learn from the best in the field through expert sessions, webinars, STTPs, hands-on sessions, and various interactive activities.

File Description	Documents
Paste link for additional information	<a href="https://www.mmcoe.edu.in/index.php/students-corner/co-curricular-events/student-club">https://www.mmcoe.edu.in/index.php/students-corner/co-curricular-events/student-club</a>
Upload any additional information	No File Uploaded

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

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

34

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

### 5.4 - Alumni Engagement

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

The Alumni Association of Marathwada Mitra Mandal's College of Engineering was registered on 5/1/2012 to develop a strong bond between the alumni, institution and the students.

Link for the formation of Alumni association:

<https://www.mmcoe.edu.in/pdf/alumni-association-registration.pdf>

Link for the Memorandum of association:

<https://www.mmcoe.edu.in/pdf/alumni-turst-deed-details.pdf>

The Alumni Association connects the Institution and former graduates in a symbiotic relationship. The formation of an alumni association contributes to the development and strengthening of long-term relationships with our alumni, the Institute, and current students.

Alumni members contribute to a variety of activities, including technical seminars, webinars, guest lectures, mentors for events, and judges for various technical activities.

As a result of these activities, existing students can understand how to use modern tools and new technologies. It improves their technical skills by keeping up with the latest trends.

Every year, the college hosts an Alumni Annual Meeting to encourage interaction among management, faculty members, and alumni. The alumni association's governing body members have initiated a scholarship program for students from the weaker sections.

File Description	Documents
Paste link for additional information	<a href="https://www.mmcoe.edu.in/index.php/alumni-1/alumni-association">https://www.mmcoe.edu.in/index.php/alumni-1/alumni-association</a>
Upload any additional information	No File Uploaded

**5.4.2 - Alumni contribution during the year C. 3 Lakhs - 4Lakhs (INR in Lakhs)**

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

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

- The vision of the institution is to aspire for the welfare of society through excellence in science and technology.
- The mission of the institution is to mould young students to meet challenges of globalization. Institution strives and commits for social progress with values and ethics. Faculty and students are motivated for research and emphasize excellence in all disciplines.

Institution strives for maintaining quality education and excellence in academics and administration. For fulfillment of stated vision and mission, committees are formed. Decentralization of work through these committees ensures effective execution of all the activities.

Institution has a Governing Body(GB), College Development Committee(CDC), planning and Review committee(PRC) and Internal Quality Assurance Cell (IQAC). These provide guidelines to maintain quality in all aspects.

- The Governing Body gives directions and provides approvals to the institution related policies and activities.
- The College Development Committee (CDC) provides guidelines for effective implementation of academic and administrative activities.
- Planning and Review Committee (PRC) comprises HoD, Deans and IQAC The function of this committee is to take review of conducted activities.

The major decisions are taken in a participative manner. Faculty members are involved in execution of planned activities and assigned with academic and administrative responsibilities.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.1.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.1.1.pdf</a>
Upload any additional information	No File Uploaded

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

Institution follows practices formulated with the active participation of faculty members, HoDs, Deans, Principal and management authorities. Institution follows decentralized working for academic and administrative activities that are distributed amongst faculty and staff members. Internal quality Assurance Cell (IQAC) functions for smooth conduction of overall activities and helps in effective implementation of quality policy. Principal, incharge of IQAC provides guidelines for maintaining quality in all aspects. Deans for Academics, Student affairs and Admissions heads various committees under them. Faculty members are involved and contribute to the various activities.

#### Case Study:

The Management supports for overall growth of students and encourages to organize technical events to enhance technical skills and leadership qualities within the students. The Institution organizes a national level technical event "Dexterity" every year. Various committees have been formulated including faculty members, supporting staff and students under the guidance of Management, Principal, HoDs and Deans. All the departments, based on domain area, organize events and students are motivated to explore their technical skills. This Platform helps students to apply engineering/management knowledge and analyze impact of solutions in social and environmental contexts. Students can function effectively as individuals or as leaders and acquire effective ways of communication and management principles.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.1.2.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.1.2.pdf</a>
Upload any additional information	No File Uploaded

## 6.2 - Strategy Development and Deployment

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

Strategic planning is the art of creating specific strategies, implementing them, and evaluating the results of executing the plan, in regard to the Institute's overall short term and long-term goals or desires. The development and execution of strategic planning are typically viewed as consisting of being performed in three critical steps namely, Strategic formulation, Strategic implementation and Strategic execution. It has a well-defined strategic plan based on performance indicators and strategic goals. The performance indicators are admission, accreditation, human resource development, faculty development, national and international collaborations, entrepreneurship, research and development, succession ratio, alumni connect, career guidance, training and placement, extracurricular activities, skill development, upliftment of society, green energy.

#### Case study:

#### PI-13: Skill Development

Institution focuses on developing skills within the students through curricular, co-curricular and extra-curricular activities. Every department identifies the gap for course, program and program specific outcomes and design skill development programs to overcome it. Students can be a part of one or more skill development programs as per their interests and can acquire skills and enhance their knowledge. This helps them to develop project based learning, interact with industry experts and grab the knowledge for job opportunities in their respective domain.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.2.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.2.1.pdf</a>
Upload any additional information	No File Uploaded

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

Functioning of the institution is carried out with the help of guidelines provided by the governing body ,policies and procedures formed ,and various committees that work under the guidance of Deans. The management participates actively through committees like Governing Body(GB) and College Development Committee(CDC) and provides support through Planning and Review Committee (PRC). Management has given due authority to the principal for decision making in day to day activities conducted at the institution.Academic and administrative activities are led by Principal,Deans and HODs and College Examination Officer. Principal is the chairperson of IQAC and guides all members for overall quality improvement. Various activities are planned and conducted consisting of staff members under the guidance of Deans for Admission, Academics, Student Affairs. The heads, faculty members and director of physical education take care of curricular, co-curricular and extra-curricular aspects. The administrative activities are planned under the guidance of the registrar.The office superintendent is in charge of the HR, student and account sections. Institution has central facilities like Corporate Relations Division ( CRD), Hostel and Library.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.2.2.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.2.2.pdf</a>
Link to Organogram of the institution webpage	<a href="https://mmcoe.edu.in/images/IOAC/Organogram.png">https://mmcoe.edu.in/images/IOAC/Organogram.png</a>
Upload any additional information	No File Uploaded

**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)Document	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

**6.3 - Faculty Empowerment Strategies**

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

**Welfare schemes are available for teaching and non-teaching staff:**

- ? Contributory provident fund and gratuity
- ? Medical leave and Earned Leave (applicable to eligible staff)
- ? Maternity leave (applicable to eligible staff)
- ? Birthday celebration of staff members
- ? Gymnasium facility and motivational sessions
- ? COVID Kawach policy during COVID-19 pandemic Period
- ? Technical training sessions through FMCIII and Eduskills
- ? Group accident guard policy
- ? Provision of uniform, blazers and sweatshirt for teaching and non-teaching members

MMM's Sevakanchi Patsanstha Ltd.(Employees Credit Co-operative Society) The objective of this co-operative society is to provide helping hands to the needy employees of the Institution.

It also encourages employees by felicitating them and their families for noteworthy achievements.

Facilities provided by co-operative society:

? Scholarships for education of employee's children

? Monetary help for medical purposes

? Group insurance for teaching and non-teaching staff

? Loan facility within a day.

? In medical emergency cases or for higher education of children, a loan without interest is made available within a couple of hours.

? For laptop purchase, loan without interest

Co-operative society works for the welfare of the employees and their family members.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.3.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.3.1.pdf</a>
Upload any additional information	No File Uploaded

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

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

20



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

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

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

13

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

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

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

101

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

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

The institution has adopted a performance-based appraisal system for its staff.

- All staff members are made aware of the below-mentioned points before appraisal
- At the end of the year, those who have completed a minimum one semester at MMCOE submit a self-appraisal form as per the schedule
- Assessment is done by respective Heads with further verification by Principal
- Staff members are counseled for improvement if the score is below 60.

Details and main components of appraisal are given below.

#### Appraisal system for teaching staff

It is based on the Revised 360° feedback and appraisal system of AICTE dated 1st March, 2019 known as PBAS.

#### Component-Points

- Teaching Learning process- 25
- Students' Feedback-25

- Departmental and Institute level activities-30
- Professional Development-5
- Contribution to society-5
- Annual Confidential Report-10

Total - 100

Appraisal system for non-teaching staff

Appraisal system for non-teaching staff is similar to the performance based appraisal for teaching staff with modifications as per their work profile.

Component-Points

- Feedback by Lab Incharge and Subject teacher for assigned lab-30
- Department and Institute level work assessment-40
- Contribution to society-10
- Annual Confidential Report-20

Total points-100

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.3.5.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.3.5.pdf</a>
Upload any additional information	No File Uploaded

**6.4 - Financial Management and Resource Mobilization**

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

- The institution conducts internal and external financial audit as a regular practice every year with well-defined procedure with due permission and guidelines received by the management
- Institutional budget is prepared well in advance for the forthcoming financial year. This budget is allocated under different heads like lab equipment, consumables, furniture and fixtures, research and development, general / miscellaneous / any other items
- Internal audit is an on-going continuous process in addition to the external audit to verify and certify the entire income and expenditure of the institution each year.
- The Accounts department looks after the internal audit to verify that actual expenses are not exceeded the budgeted amount and it is presented to the certified Chartered Accountant.

Institution carried out an internal audit by internal auditor Munde Shaha & Co. An external audit is also carried out in every financial year by Krishna Rawas and Associates.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.4.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.4.1.pdf</a>
Upload any additional information	No File Uploaded

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

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

0.65

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

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

The major source of income for the institution is tuition and development fees from the students. The other sources of funds are schemes and grants received from university as well as government and non-government organizations. These can be utilized for academic and administrative activities.

#### Procedure for utilization of financial resources :

- Institution has a well-defined budgeting system which includes regular expenses like staff payments and benefits, academic expenses, maintenance and expenses on facilities like audit fees, library, hostel, canteen, sports, gym etc.
- Departmental annual budget is formulated as per requirements for curricular and co-curricular activities before the start of the financial year. Principal reviews the budget of all departments and forwards it to the management
- The management takes a review and allocates sufficient finance to carry out activities in the institution
- For purchase, a minimum of three quotations are called from vendors. Comparative statement is prepared with cost, quality and specification details. Purchase order is placed with the due consent of the management after negotiation meeting by purchase committee
- Systematic mechanism for release of payments for day to day expenses like payment for consumables, various bodies and salary

- Provision for emergency expenditure as per the requirement

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.4.3.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.4.3.pdf</a>
Upload any additional information	No File Uploaded

## 6.5 - Internal Quality Assurance System

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

There are mainly two practices institutionalized by the IQAC,

### i. Strategic planning:

Strategic planning is for implementing and evaluating the results of executing the plan, regarding the Institute's overall short and long-term goals.

Every year, One day workshop on "Strategic Planning" in the month of June is conducted. All the staff is actively involved in this workshop, where the key performance indicators (KPI) are defined after doing the SWOC analysis of the Institute. Once the KPI are defined, the targets are set for the respective academic year at the end of the workshop.

### ii. Academic and Administrative Audit (AAA)

The purpose of an Academic and Administrative Audit is to encourage programs, departments and the institution to evaluate their quality processes and standards based on predetermined benchmarks and to suggest activities required to produce, assure, and regularly improve the quality of the whole system. The benchmarking parameters are academic activities and support systems including administrative, training & placement, alumni, extra-curricular activities (ECA), student chapters and internal quality assurance cell (IQAC) activities.

The frequency of the AAA audit is twice a year, at the beginning of each semester. The AAA audit is taken by internal as well as by external auditors.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.5.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.5.1.pdf</a>
Upload any additional information	No File Uploaded

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

The institute has a well-defined teaching learning policy. Before the commencement of an academic year, an institute planner and accordingly the department academic calendar is prepared. The course file is prepared for each course and the contents are planned with the help of course plan and corresponding session plans. The internal and external tools of assessment are defined with the help of rubrics for theory, practical, seminar, project, PBL and audit courses. To ensure the quality of teaching learning process three academic audits are carried out for each course in a semester.

The institute has a strong alumni connection. and are also involved in the teaching-learning process in the form of expert talks, contributions in PAC, DAB and project evaluations.

The development activities are regularly shared with the stakeholders and the feedback is collected from time to time. Feedbacks include ICT feedback, expert feedback, industrial visit feedback, course end survey, and student satisfaction survey, graduate exit survey, alumni feedback, employer survey and parents feedback. Feedbacks are analyzed and the actions are taken.

IQAC conducts activities like workshop on strategic planning, workshop on team building, faculty induction program, training need analysis for Non-teaching staff, training programs under EduSkills and FMCIII.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.5.2.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.5.2.pdf</a>
Upload any additional information	No File Uploaded

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

**A. All of the above**

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

## **INSTITUTIONAL VALUES AND BEST PRACTICES**

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

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

Institute maintains gender equity through its curricular, co-curricular, extra-curricular, and other facilities on the campus. In curricular activities such as practical batches, girl students are equally distributed and given the freedom to change the batch as per their requirements. Students choose their own project group members which can be a combination of girls and boys. Girl students are visiting industries for mini projects,



internships, and other technical events. Our Institute has provided a platform for co-curricular activities such as ROBOCON, BAJA, Students' Formula, Efficycle, Hackathon, Google Developers Student Club, etc where girls enthusiastically participate and work as team members in these activities. We have units for extra-curricular activities like NSS, NCC, sports, and cultural events which provide equal opportunities for girl students to participate. Guest lecture on gender equity is also conducted by NSS team. For girl students and staff, we have facilities such as a dedicated counselor, lady security guards, CCTV, Anti - Ragging committee, Grievance Redressal Committee, and a girls' common room. Gender equity can also be witnessed in student enrolment which we have 27% of girl students and 57.2% women staff.

File Description	Documents
Annual gender sensitization action plan	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.1%20Annual%20Gender%20Sensitization%20Plan%20A.Y.%202022-23.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.1%20Annual%20Gender%20Sensitization%20Plan%20A.Y.%202022-23.pdf</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.1%20Specific%20facilities.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.1%20Specific%20facilities.pdf</a>

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

**B. Any 3 of the above**

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

**Our Institute has taken care of the waste generated in the**

campus by building the degradable and non-degradable waste plants in our college campus. E-waste collection beans are in use in the college since 2016. The discarded wires, data cables, mouse, mobile chargers, electronic parts, etc can be dumped in these beans. The beans have been given by Swachh NGO. A total of 3 beans have been set up at various places in the college and students dump their e-waste in it. The Swachh NGO collects the E-waste once the total weight is about 200 Kg. The solid waste disposal plant is located next to the boys' hostel. The kitchen waste from the college canteen is dumped into the pit and converted into manure with the help of vermi-compost. The harvest cycle is of 3 months and the manure generated is used for gardening purpose. The plant was not functional since the college canteen and hostel were not in use during the pandemic but now the plant is functional, to decompose the solid waste like plant leaves and other solid waste.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	<a href="#">View File</a>

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

C. Any 2 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

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

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
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

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

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

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

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

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

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	<a href="#">View File</a>
Details of the Software procured for providing the assistance	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

The NSS, NCC, Wagyajna Abhivyakti Gat, Extra Curricular Committee (ECA), and department student associations of our college organizes different programs for an inclusive environment. The institution believes in equality of all cultures and traditions as is evident from the fact that students belonging to different caste, religion, regions are studying without any discrimination. Our Moto (Yethe Bahutanche Hit) signifies our commitment towards the striving for betterment and welfare of society. Though the institution has diverse socio-cultural background and different linguistic, we do not have any intolerance towards cultural, regional, linguistic, communal socio economic and other diversities. With great fervor the national festivals, birth anniversaries and memorials of great Indian personalities are celebrated in the institute. The institution organizes an annual Cultural function ENSEMBLE along with sports competition. Motivational lectures are arranged for all-round development of the students for their personality development and to make them responsible citizens following the national values of social and communal harmony and national integration. Besides academic and cultural activities, we have built up many strong infrastructures for a variety of sports activities for the physical development of the students.

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

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

MMCOE have undertaken various activities to sensitize students and employees to the constitutional obligation about values, rights, duties and responsibilities of the citizens. Apart from flag hoisting celebrations on Republic and Independence day, various activities are promoted. Kargil Vijay Diwas was successfully organized by arranging the blood donation camp. NSS and NCC committee organized Covid-19 Vaccination Camp, Tree Plantation, Grocery Donation to Orphanage, NSS Winter Camp, NCC Orientation Program to create awareness about their duties, rights and to be a responsible citizen. International Yoga Day is also celebrated in the institute for building a healthy nation. Various student clubs of each department (MESA, EESA, CESA, etc) organise various extension activities which are helpful to the society. The Ganpati festival, Khandenavmi, Diwali, Shivjayanti and Dr. Babasaheb Ambedkar jayanti are celebrated enthusiastically in the Institution to introduce cultural rituals in the young generation. Institute has its students mentoring scheme in which 20 students are assigned under one faculty to discuss and solve the problems of those students. Staffs also groom the students about their rights, duties and help them to be a responsible citizen. Awareness about rights, duties and responsibilities is also done through the induction program organized for FEstudents.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.9%20Details%20of%20activities.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.9%20Details%20of%20activities.pdf</a>
Any other relevant information	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.9%20Relevant%20information.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.9%20Relevant%20information.pdf</a>

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

**A. All of the above**

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

The institution believes in the equality of all cultures and traditions as is evident from the fact that students belonging to different caste, religion, regions are studying without any discrimination. Our Moto "Welfare of Masses" signifies our commitment towards the striving for betterment and welfare of society. MMCOE committedly celebrates national and international days in our campus to create awareness of patriotism, health & fitness and social responsibilities among all the students and staff. Independence Day and Republic Day are celebrated every year to make proud and motivate all the students and staff for the development of our nation. In addition to these two national holidays, our institution commemorates a number of other national and international days so that students can learn about significant figures in our country's political, social, cultural, and scientific history. The Dean, NSS, NCC, sports and cultural faculty in-charge along with student coordinators plan the celebration of these events.

Our celebrations are as follows:

Dr. Babasaheb Ambedkar Jayanti

Diwali ? Ganesh Festival

Independence Day

International Women's Day

International Yoga day

Kargil Vijay Divas

Khadenavmi

Marathi Bhasha Gaurav Din

Republic Day

Shiv Jayanti

ENSEMBLE

DEXTERITY

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

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

1.Title: 'Continuous Professional Development'

2.Objective: To develop students' professional abilities.

3.The Context: Various functional committees and student

chapters are formed to achieve the objective.

4.The Practice:Institute organizes project competitions, industrial visits, workshops, expert lectures, and skill development courses, etc.

5.Evidence of success:Students have completedcertifications of NPTEL, Udemy, CISCO, Courera, IBM, AWS Academy, Great learning, Mathworks,15 MOUs are signed,andpublishedpapers in variousjournals.

6.Problems Encountered:To maintain a balance between academic activities and technical event activities.

1.Title:'Continuous Community Enrichment'

2.Objective:Encourage culture of community involvement

3.The Context:All staff and students of institute live and work, and it includes relationships between people, as well as the connections between people and institutions.

4.The Practice:Our institute plans the community services, and forms a dedicated team for weach activity.

5.Evidence of Success: Nearby village people and junior college students are benefited through our community services by the activities like online MHT-CET mock test, Python training, Bi Focal crash course, ARDUINO BASICS, Safety Handling of Electronic Equipment, Fundamentals and Troubleshooting of vehicles, Brief introduction about MS office, electrical safety awareness are conducted for nearby village people.

6.Problems Encountered: To justify the outcome of activity and find suitable place.

File Description	Documents
Best practices in the Institutional website	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.2%20Best%20Practices.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.2%20Best%20Practices.pdf</a>
Any other relevant information	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.2%20Relevant%20information_Best%20Practices.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.2%20Relevant%20information_Best%20Practices.pdf</a>



### 7.3 - Institutional Distinctiveness

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

In line with the motto of Marathwada Mitramandal "Yethe Bahutanche Hit" (Welfare of Masses), the Marathwada Mitramandal's College of Engineering has taken a bold step forward in establishing the Foundation for Make It happen Center for Invention, Innovation and Incubation (FMCIII) by partnering with Tata Technologies Ltd. (TTL), a leading global engineering service provider and Science and Technology Park, Pune (STP), a leading technology business incubator. It is located and functions on the campus of Marathwada Mitramandal's College of Engineering, Karvenagar, Pune. The FMCIII provides an ecosystem for enhancing skills among employable persons and identifying, promoting and supporting start-ups and budding entrepreneurs to successfully set up new enterprises. The center is equipped with all start-up related facilities and services to enable entrepreneurs to fulfill their objectives. Along with FMCIII, the institute motivates and financially supports students to participate in various national and international competitions like SAEINDIA BAJA, ROBOCON, SUPRA, Efficycle, Hackathon, etc. Consistent participation and evidence of success proves the distinctiveness of the institute across the globe.

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

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

Marathwada Mitra Mandal's college of Engineering is affiliated to Savitribai Phule Pune University since 2006. The institution prepares academic calendars inline with the academic calendar of SPPU for all academic activities. Academic Load is distributed to faculty members before commencement of semester and time tables are followed and monitored for effective delivery of content. As part of academic content delivery each faculty member prepares the course plan, study material, lab manuals etc. and floats them. To fulfill the gap between demand of industry and present content of syllabus every faculty member identifies the gap and tries to cover them through guest lecture, virtual lab/industrial visit/alumni interaction/workshops etc.. NPTEL videos, online courses and seminars are organized by the institution in collaboration with industries for effective curriculum delivery. For Continuous Internal Evaluation (CIE) of students, unit tests, assignments, MCQs, quizzes and other tools are used by faculty members. Remedial sessions for slow learners are organized. Academic audits are conducted to monitor effective delivery of curriculum.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	<a href="https://mmcoe.edu.in/images/NAAC/1.1.1.pdf">https://mmcoe.edu.in/images/NAAC/1.1.1.pdf</a>

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

The institution and every department prepare the academic calendar by referring to the university calendar mentioning unit tests, In-semester examination, practical examinations. Every course coordinator prepares multiple choice questions and a detailed question bank for the entire syllabus as per the Blooms Taxonomy. Assessment of unit test papers,

assignments, student lab journals, project/ seminar /internship reviews are conducted as per calendar. Academic monitoring committee conducts an inter and intra departmental faculty audit for ensuring the syllabus completion, unit test conduction, and session wise plan and presentations for every course. The corrective actions are initiated for improvement and delivery of contents. Compliance of academic audit is ensured. Oral, practical and term work examinations are conducted as per schedule mentioned in circulars received from affiliating universities. External audit of academic activities is conducted for each department.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	<a href="https://mmcoe.edu.in/images/NAAC/W_Cr1/1.1.%202.pdf">https://mmcoe.edu.in/images/NAAC/W_Cr1/1.1.%202.pdf</a>

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

**B. Any 3 of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	No File Uploaded

## **1.2 - Academic Flexibility**

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

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

6

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

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

29

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

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

3054

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

**1.3 - Curriculum Enrichment**

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

**Institution follows the curriculum of Savitribai Phule Pune**

University. Various audit course subjects are included in the curriculum to address issues like ethics, human values, Human Values, Environment and Sustainability. Apart from curriculum Institute also has an active National Service Scheme (NSS) through which many activities are conducted such as tree plantation, camp to nearby village where college students share their computer knowledge with children and villagers, hygiene importance and education options. Students clubs and forums also help to integrate crosscutting issues regularly. The Institutions Innovation Council (IIC) is celebrating Environmental Day, Earth Day, Engineers Day etc. for all institute students. Students associations of each department (MESA, BETA, ITSA, ACES) regularly organize orientation programs, technical and project competitions for all students. NSS organizes Shivaji Jayanti and Ganesh Utsav every year. Blood donation camps are regularly organized where students and faculty donate their blood to needy people through society's blood banks. The Project Based Learning (PBL) is added in the curriculum to inculcate independent and group learning by solving societal problems with the help of available resources. In every program, internships are added as compulsory courses in the curriculum where students undergo four to six weeks of industrial training.

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

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

40

File Description	Documents
Any additional information	<a href="#">View File</a>
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	<a href="#">View File</a>

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

2714

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

### 1.4 - Feedback System

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

**A. All of the above**

File Description	Documents
URL for stakeholder feedback report	<a href="https://mmcoe.edu.in/images/NAAC/W_Cr1/1.4.1.pdf">https://mmcoe.edu.in/images/NAAC/W_Cr1/1.4.1.pdf</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	No File Uploaded

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

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

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="https://mmcoe.edu.in/images/NAAC/W_Cr1/1.4.2.pdf">https://mmcoe.edu.in/images/NAAC/W_Cr1/1.4.2.pdf</a>

**TEACHING-LEARNING AND EVALUATION**

**2.1 - Student Enrollment and Profile**

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

**2.1.1.1 - Number of students admitted during the year**

**593**

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

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

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

283

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

## 2.2 - Catering to Student Diversity

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

### Efforts taken for weak students:

The institution ensures that each student obtains an education that meets their specific pace and skills by assessing students' learning levels and then devising special programmes for both advanced and slow learners

- Weak students are identified based on their performance in university exams and internal assessment.
- A full time counselor is appointed by the Institution. Counseling sessions are recommended if a student needs counseling
- Under the Student Mentoring scheme, a Teacher Guardian(TG) is assigned after every 20-25 students. Monthly TG meetings are held. TGs monitor the progress of students under their supervision. TG also encourages pupils to grow academically and in general.
- Pro-remedial/make-up lectures are conducted for weak students
- Remedial lectures are conducted for the failed students.

### Encouragement for bright students:

Bright students are motivated to special programs that might involve more challenging and advanced content, additional projects, opportunities for independent research, and



participation in enrichment activities.

- Motivation to participate in Robocon, BAJA, SUPRA, Efficycle etc.
- Online courses, training, and internships are recommended for them.
- Bright students are motivated to participate in various technical events, project competitions, paper publications, hackathons etc.
- Toppers of university examinations and the best outgoing students are felicitated.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.2/2.2.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.2/2.2.1.pdf</a>
Upload any additional information	No File Uploaded

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

Number of Students	Number of Teachers
2827	173

File Description	Documents
Any additional information	No File Uploaded

### 2.3 - Teaching- Learning Process

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

#### Participative learning:

- Students are encouraged to participate in Workshops, seminars, paper/poster presentations, training sessions, webinars, BAJA, ROBOCON, Efficycle, Hackathons, and other co-curricular events.
- Online courses: Students enroll for online

certification courses through organizations such as spoken tutorials, NPTEL, coursera, Udemey, Matlab and Vlab.

- Annual cultural celebration Ensemble to demonstrate students' abilities in singing, dancing, acting, sketching, and so on.
- Extracurricular activities NSS,NCC and sports activities include indoor sports like carrom and chess, as well as outdoor games like cricket and basketball.

**Experiential learning:**

- Through Student associations(ACES, MESA, ITSA, BETA and EESA,AESA) students learn management and leadership skills by organizing, coordinating various activities under the respective associations of the department.
- Professional Bodies(CSI, ISTE, IEEE, ACM, IETE, ASHRAE, ISHRAE, SAE INDIA) offer platforms to participate in technical and nontechnical activities.
- Student clubs such as Google Developers Club, IT Tech Club, Zenith Astronomy Club, Rotaract Club, and Wagyajna AbhivvyaktiGat, Kalangan hold technical, nontechnical, and cultural events to help students build leadership and interpersonal skills.

**Problem Solving Methodologies:**

- Curriculum incorporates methodologies such as Project based Learning, Project development, Seminars, Internships, mini projects,Laboratory practicals. which place students at the center of their learning by presenting them with real-world problems or scenarios to solve

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.2/2.3.%201.pdf">https://mmcoe.edu.in/images/NAAC/Cri.2/2.3.%201.pdf</a>

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

To engage students in the learning process, teachers are

combining technology with traditional modalities of instruction. Every department employs ICT teaching learning procedures to support, enhance, and optimize course material delivery.

Google Apps (Drive, Classroom, Meet), Computer Systems, LCD Projectors, ERP, Wired Internet Facilities, Wi-Fi, Vlab, and Smart Boards are the ICT technologies that the institution emphasizes using.

1. Google classroom: Course coordinator shares course material of respective courses through Google classroom
2. Google Meet/Zoom: These video conferencing tools are used for conduction of online lectures/webinar/seminars etc.
3. ERP: EPR admission module is available for students admission process.
4. Spoken Tutorial: For spoken tutorial, the institution is a knowledge partner with IITB. Students engage in various courses through this programme, and after passing these exams, they are awarded with certificates.
5. Vlabs: The institution has been designated as a nodal center for the Vlabs developed by IIT Bombay. Students get access to a variety of subject materials.
6. Internet facility: Internet access is offered in all classrooms, laboratories, faculty rooms, office and Hostels.
7. Smart Board.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

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

#### 2.3.3.1 - Number of mentors

<b>113</b>	
File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<b>No File Uploaded</b>
Circulars pertaining to assigning mentors to mentees	<b>No File Uploaded</b>
Mentor/mentee ratio	<a href="#">View File</a>
<b>2.4 - Teacher Profile and Quality</b>	
<b>2.4.1 - Number of full time teachers against sanctioned posts during the year</b>	
<b>173</b>	
File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
<b>2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)</b>	
<b>2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year</b>	
<b>59</b>	
File Description	Documents
Any additional information	<a href="#">View File</a>
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	<a href="#">View File</a>
<b>2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)</b>	

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

875

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

**2.5 - Evaluation Process and Reforms**

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

- The Dean Academics provides the guidelines for effective implementation of internal examinations. The Unit test coordinators at every department ensure conduction and assessment of Unit tests regularly.
- Unit Tests are conducted periodically after completion of syllabus units. Pattern of the unit test is communicated to students well in advance. Unit tests are conducted in Offline mode. Course coordinator prepares a question paper for the unit test. Assessment of Unit tests is done by respective course coordinators. Remedial action is conducted for failed and absent students.
- Course coordinator conducts and assesses theory based assignments.
- Practical assignments, seminars, Project based learning, Project development activities are assessed through Continuous Assessment System (CAS). At the end of semester mock Practical/Oral exams are conducted. Term-work evaluation is based on the Continuous Assessment System(CAS). CAS evaluation is based on defined rubrics and timely submission of practical experiments, overall attendance, and performance in practical sessions.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.2/2.5.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.2/2.5.1.pdf</a>

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

As part of the internal assessment of students, every department administers unit test assessments and mock practical/oral exams. Internally assessed test papers are distributed to students for self-assessment, and grades are posted on time to promote transparency.

- In case of any discrepancies regarding internal assessment, the student is free to interact with the teacher and get it resolved immediately.
- Laboratory experiments are carried out using the Continuous Assessment System (CAS). Faculty members evaluate student performance using the defined rubric.
- Project/Seminar/Project Based Learning/Internship/mini project assessment is done by the respective guide along with a panel (group of faculty members). The rubrics for Project/Seminar/Project Based Learning/Internship/mini project are designed and shared with the students.
- Grievances of internal examinations are addressed by course coordinators, Teacher guardians and the Head of the Department.
- External examination grievances are communicated to the College Examination Officer (CEO) through the departmental examination coordinator. The CEO further communicates to the university authorities to resolve it at the earliest

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.2/2.5.2.pdf">https://mmcoe.edu.in/images/NAAC/Cri.2/2.5.2.pdf</a>

## 2.6 - Student Performance and Learning Outcomes

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

### Mechanism of Dissemination :

- Institute's Vision, Mission, COs, POs, PSOs, and PEOs are displayed on the website (www.mmcoe.edu.in). Additionally, it is displayed for

the public, employees, and students to see in conspicuous places across campus.

- Alumni and employers are informed about it.
- Parents are informed about it at the Parent Teacher Meeting (PTM).
- It can be found attached to project reports, seminar reports, journals, lab instructions, and course files, among other things.
- Department Notice Boards

**Communication Mechanism:** The institute website contains information about academics.

All course outcomes (COs) are decided upon during the regular meetings of the course coordinator, HoD, and module coordinator. COs are defined by degrees of Bloom's Taxonomy Level. For a course of 100 marks, 4 to 6 COs are defined; for a course of 50 marks, 2 to 4 COs are defined. During the first lecture of the semester, which serves as the course introduction, course coordinators inform students about programme and course outcomes.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://mmcoe.edu.in/index.php/academics/learning-outcomes">https://mmcoe.edu.in/index.php/academics/learning-outcomes</a>
Upload COs for all Programmes (exemplars from Glossary)	No File Uploaded

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

PO and PSO assessment tools are classified into two types.

Achievement of the CO in relevant courses via Direct Assessment.

Indirect Assessment is obtained from stakeholders, extracurricular activity participants, and co-curricular activity participants.

1. Direct Assessment Method:

- Internal (Assignments, CAS, Unit Tests))
- External (University Theory and OR/PR Exam.)

2. Indirect Assessment Method

- Graduate Exit Survey
- Alumni Feedback
- Extra-Curricular Activities Feedback
- Co-Curricular Activities Feedback
- Employer Survey
- Parents Feedback

Survey and feedback questions are framed based on PO for indirect assessment method.

All courses have target attainment levels that are determined by the subject's level of difficulty and the results of prior years' university exams. Target is set for attainment levels.

The course coordinator prepares the CO-PO mapping with the necessary justification. As a direct tool, CO attainment is used for PO attainment.

As part of ongoing improvement, every programme has set higher goals for the years to follow as a part of continuous improvement. If goals are not met for any course, an action plan is created to meet the goals in the years that follow.



File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.2/2.6.2.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.2/2.6.2.pdf</a>

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

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

680

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	<a href="https://mmcoe.edu.in/images/NAAC/Cri.2/2.6.3.pdf">https://mmcoe.edu.in/images/NAAC/Cri.2/2.6.3.pdf</a>

### 2.7 - Student Satisfaction Survey

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

<https://www.mmcoe.edu.in/index.php/igac/student-satisfaction-survey>

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Resource Mobilization for Research

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

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

0.226

File Description	Documents
Any additional information	<a href="#">View File</a>
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

### 3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

#### 3.1.2.1 - Number of teachers recognized as research guides

7

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

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

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

1

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	<a href="https://www.ieindia.org">https://www.ieindia.org</a> , <a href="https://www.ieee.org">https://www.ieee.org</a>

### 3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation

and transfer of knowledge

MMCOE, recognizing the pivotal role of research, has meticulously built an ecosystem for Research and Innovation, embodying a commitment to knowledge creation, dissemination, and cutting-edge infrastructure. The institution imparts a culture of innovation among students, contributing significantly to the nation's development and offering solutions to contemporary techno-social problems.

The manifold initiatives for overall student and faculty development encompass an Innovation Center, funding schemes, professional society memberships, collaborations, expert mentors, an Entrepreneurship Cell, Global Connect Cell(GCC), and diverse research projects across domains. Foundation for Make it Happen Center for Invention Innovation Incubation (FMCIII), a collaborative venture with Tata Technologies, Science and Technology Park, and MMCOE, stands as a beacon of innovation and entrepreneurship. FMCIII supports incubation, startup initiatives, and training programs.

The Research and Development Cell incentivizes faculty research through project funding schemes, focusing on intellectual property rights and technology management. The GCC establishes channels of collaboration with global entities, exposing students to international environments. Every department has a Center of Excellence, encouraging research and developmental activities. Additionally, professional chapters, technical clubs, and student associations provide platforms for experiential learning.

The Entrepreneurship Cell identifies and supports budding entrepreneurs through workshops and expert sessions. Industry collaborations with CISCO and others facilitate certificate courses, training, and internships. The institution's major achievements, including Smart India Hackathons awards and accolades in national competitions, underscore its commitment to excellence and innovation in research and development.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.3/3.2.1%20ecosystem%20final.pdf">https://mmcoe.edu.in/images/NAAC/Cri.3/3.2.1%20ecosystem%20final.pdf</a>

### 3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

#### 3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

19

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

### 3.3 - Research Publications and Awards

#### 3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

##### 3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

7

File Description	Documents
URL to the research page on HEI website	<a href="https://mmcoe.edu.in/index.php/phd-centre/approved-guide">https://mmcoe.edu.in/index.php/phd-centre/approved-guide</a>
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

##### 3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

57

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

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

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

18

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

### 3.4 - Extension Activities

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

Embracing the wisdom of "Alone we can do so little; together we can do so much," our college, driven by the motto "Yethe Bahutanche Hit (Welfare of Masses)," recognizes the profound impact of collective social work. MMCOE is dedicated to instilling social awareness in students through curriculum and extension activities, organizing blood donation camps, education awareness programs, and gender equality initiatives. The institution actively runs National Service Scheme (NSS), National Cadet Corps (NCC), and Adhar club, undertaking various extension activities in the community,

NSS volunteers address diverse social issues, contributing to cleanliness, tree plantation, water conservation, and traffic safety. The Adhar club aids students in crucial decisions during the 11th and 12th grades, offering crash courses on Python programming language, web development, and bifocal subject classes.

Aligned with ideals of sustainable development, our institution is committed to Zero-Carbon footprints and even educates Zilla Parishad primary school and local people on electrical safety, promoting safe practices in establishing electric grids and wirings. Active participation in these endeavours facilitates holistic student development, fostering leadership qualities, a commitment to social service, passion for community welfare, and enhanced community relationships. It unveils hidden talents, raises awareness, and cultivates essential social, analytical, personal, managerial, and leadership skills.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.3/3.4.3.pdf">https://mmcoe.edu.in/images/NAAC/Cri.3/3.4.3.pdf</a>
Upload any additional information	No File Uploaded

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

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

1

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

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

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

28

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

### 3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

#### 3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

1696

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

### 3.5 - Collaboration

#### 3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

##### 3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

592

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

### 3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

39

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

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

An adequate infrastructure is provided at MMCOE as per the norms specified by AICTE, New Delhi and Savitribai Phule Pune University (SPPU) to provide the infrastructure to facilitate effective teaching and learning to the students of all the streams. Modernisation and updating of infrastructure resources is carried out from time to time. The Institution provides modern infrastructure like smart classrooms, updated laboratories, library with reading room, hostel, 24 x 7 internet facilities for all.

Classrooms are provided with LCD Projectors, furniture and smart boards. All the classrooms have sufficient natural light and air. The tube-lights, fans etc are inspected regularly by attendants and department staff. The laboratories are well maintained and updated.

Library has a well maintained accession register which maintains a record of students and faculty visiting the library. Cleanliness is maintained in the library. Digital



library is also maintained well with good number of journals and magazines.

Computing facility: All the departments including first year department have got computer lab with Licensed window and respective software as per the department requirement

Seminar Hall : All the departments use the seminar hall for various co-curricular & extra curricular activities. This is well equipped with audio visual facilities

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.4/4.1.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.4/4.1.1.pdf</a>

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

Cultural activities help students to build an all-rounder personality and improve their psychological as well as physical health. Overall development of students is enhanced through cultural activities which are carried out at college level through different clubs e.g. 'Vagyajna' club is for literature activities, Annual Magazine, 'Mandiyalee', 'Ensemble" provides platform for students to exhibit their skills in singing (solo/ group), acting (street play, skit),music club.

Sports activities i.e. indoor and outdoor, gymnasium, yoga centre is also run in campus and a large number of students utilise these facilities on regular basis. The institution has provided enough space for outdoor games at a playground of 60 m x 50m. This ground is used for various games such as cricket, football, volleyball, kabaddi etc. Basketball ground area is 25 m x 13 m. For indoor games, 40 sq.m. and for gymnasium 30 sq.m space is provided. The Gym equipment includes Gymnasium multi station machine, Spin bike, Free weights like Dumbbells, Plates and Barbells, Preacher curlbench, Incline and Decline bench, Incline sit ups bench, Pull ups bar, Double bar. There is an open gym also available which includes Shoulder wheel, Triple waist Twister, Double Mini SKI, Double Air walker, Cross Trainer Skier, Elliptical

**cross trainer.**

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.4/4.1.2.pdf">https://mmcoe.edu.in/images/NAAC/Cri.4/4.1.2.pdf</a>

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

31

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

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

526.83

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

**4.2 - Library as a Learning Resource**

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

Library management system that is used in our library is 'SLIM-21' Library Management Software which consists of a cataloging system, circulation system, acquisition system and serial control system. The library management system helps in tracking the subscription period and renewal dates of the serial.

The Online Public Access Catalogue tool is provided to explore library resources. Various search options available are General Search wherein Users can search the library resources using Title, Author, Publication, Keywords and Classification number. Advanced Search facilitates search through various combinations such as Title, Author, Publication, Keywords, Classification number. Also Accession Search which is Quick search of books can be done by using accession numbers. History of users and library resources: It is the main concern for tracking the library resources. OPAC link is shared on the college website under facilities page . The details of the library management software are as follows : SLIM - 21, version 2.9.12. Nature of automation (fully or partially) : Fully Automated with bar code technology, Version : version 3.6 and Year of Automation: 2011

Subscriptions of e-resources are renewed annually. The e-resources available with our Institute library are IEEE ASPP, J-Gate Science and Technology, J-Gate Science, humanities & DELNET

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.4/4.2.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.4/4.2.1.pdf</a>

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

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

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

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

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

19.32

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

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

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

225

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

#### 4.3 - IT Infrastructure

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

The components of IT infrastructure are made up of interdependent elements, and the two core groups of components are hardware and software. Hardware uses software

like an operating system to work. Hardware components include Desktop computers, Servers, Routers, access points, Switches.

A separate dedicated lab called Thin Client lab with sixty computers and a Thin Client server is also available on campus. Sufficient number of computers is allocated to all departments with necessary software and hardware configuration.

The speed of data can also be manually adjusted as per requirement of a specific department for bifurcation of bandwidth and management.

All computers are well maintained and LAN connected through a dedicated leased line. LAN facility is also available at college as well as hostel premises free of cost for all. Wi-fi facility is provided to all departments by installing sufficient number of access points.

All computers are connected to a broadband internet connection having speed (500 MBPS). Switches connect the computers on campus by local area networks (LAN). There are 85 access points to assure good WiFi connectivity throughout the campus .

A central server room

Licensed firewall in all the systems

Surveillance cameras

Face recognition system

ERP

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.4/4.3.1_.pdf">https://mmcoe.edu.in/images/NAAC/Cri.4/4.3.1_.pdf</a>

#### 4.3.2 - Number of Computers

1323

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	<a href="#">View File</a>

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

A. ? 50MBPS

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

#### 4.4 - Maintenance of Campus Infrastructure

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

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

305.97

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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

- For maintaining Academic facilities:

1. Internet facility (LAN & Wi-Fi) is maintained through an annual contract given to external agencies.

2. Website is maintained by an internal staff committee and the structural changes/ upgradation of features of the website is done through an external agency if needed.

3. EPABX System/Telephone lines connect in campus

- For maintaining physical facilities:

Electrical Repair & maintenance is taken care of by an internal staff committee and if needed an external agency does the needful in case of any bigger issues.

Gardening:

Water : Water Coolers are installed on each floor and its cleanliness is maintained regularly

Cleaning & sanitation: Housekeeping contract is given to external agency annually who looks after the cleaning & maintenance of classrooms, labs, restrooms and all service areas of the premise

Security: Annual contract is given to an external agency who looks after the security and safety. The agency provides security guards & bouncers who look after all the sa The whole Campus is under CCTV surveillance.

Lifts are provided for convenient vertical transportation.

DG Set: has a capacity of 170 kVA and provides an uninterrupted supply in case of power failure.

Fire extinguishers: are placed on strategic locations throughout the campus.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.4/4.4.1&amp;4.4.2.pdf">https://mmcoe.edu.in/images/NAAC/Cri.4/4.4.1&amp;4.4.2.pdf</a>

STUDENT SUPPORT AND PROGRESSION	
<b>5.1 - Student Support</b>	
<b>5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year</b>	
<b>5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year</b>	
1702	
File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>
<b>5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year</b>	
<b>5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year</b>	
42	
File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>
<b>5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health</b>	<b>A. All of the above</b>



and hygiene) ICT/computing skills	
File Description	Documents
Link to Institutional website	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.5/5.1.3.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.5/5.1.3.pdf</a>
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>
<b>5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
642	
<b>5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
642	
File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>
<b>5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees</b>	<b>A. All of the above</b>

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

## 5.2 - Student Progression

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

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

376

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student placement during the year (Data Template)	<a href="#">View File</a>

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

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

35

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

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

**Civil Services/State government examinations)**

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

75

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

**5.3 - Student Participation and Activities**

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

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

19

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

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

**Every year, a student council is elected, with**

representatives from all branches of the institution. The student council strives for the smooth operation of daily activities. The institution has student representatives on academic and administrative bodies that are relevant to their interests. Students approach student representatives with questions or problems regarding the hostel, mess, canteen, extracurricular activities, and sports, among other things, which are then reported to a faculty member by the representative.

**Student Association and Student Chapter:**

**1. SAEINDIA MMCOE COLLEGIATE CLUB:**

The SAEINDIA MMCOE Collegiate Club was established in 2013 at our MMCOE in Karvenagar, Pune. SAE India organizes numerous national events such as Baja, Supra, Efficycle, and others.

**2. ROBOCON INDIA MMCOE COLLEGIATE CLUB:** Through competition, introduce MMCOE students to robotics, engineering, and teamwork.

**3. IEEE Student Chapter:** On May 23, 2020, MMCOE launched the "IEEE Student Branch." It hosts a variety of events such as webinars, workshops, FDPs, project competitions, and so on.

**4. ISTE Student Chapter ISTE-**

ISTE-SC is a group of engineering students established in 2015 with the goal of creating an educational platform for students to learn from the best in the field through expert sessions, webinars, STTPs, hands-on sessions, and various interactive activities.

File Description	Documents
Paste link for additional information	<a href="https://www.mmcoe.edu.in/index.php/students-corner/co-curricular-events/student-club">https://www.mmcoe.edu.in/index.php/students-corner/co-curricular-events/student-club</a>
Upload any additional information	No File Uploaded

**5.3.3 - Number of sports and cultural events/competitions in which students of the**

**Institution participated during the year (organized by the institution/other institutions)****5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year**

34

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

**5.4 - Alumni Engagement**

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

The Alumni Association of Marathwada Mitra Mandal's College of Engineering was registered on 5/1/2012 to develop a strong bond between the alumni, institution and the students.

Link for the formation of Alumni association:

<https://www.mmcoe.edu.in/pdf/alumni-association-registration.pdf>

Link for the Memorandum of association:

<https://www.mmcoe.edu.in/pdf/alumni-turst-deed-details.pdf>

The Alumni Association connects the Institution and former graduates in a symbiotic relationship. The formation of an alumni association contributes to the development and strengthening of long-term relationships with our alumni, the Institute, and current students.

Alumni members contribute to a variety of activities, including technical seminars, webinars, guest lectures, mentors for events, and judges for various technical

activities.

As a result of these activities, existing students can understand how to use modern tools and new technologies. It improves their technical skills by keeping up with the latest trends.

Every year, the college hosts an Alumni Annual Meeting to encourage interaction among management, faculty members, and alumni. The alumni association's governing body members have initiated a scholarship program for students from the weaker sections.

File Description	Documents
Paste link for additional information	<a href="https://www.mmcoe.edu.in/index.php/alumni-1/alumni-association">https://www.mmcoe.edu.in/index.php/alumni-1/alumni-association</a>
Upload any additional information	No File Uploaded

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

C. 3 Lakhs - 4Lakhs

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

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

- The vision of the institution is to aspire for the welfare of society through excellence in science and technology.
- The mission of the institution is to mould young students to meet challenges of globalization. Institution strives and commits for social progress with values and ethics. Faculty and students are motivated for research and emphasize excellence in all

disciplines.

Institution strives for maintaining quality education and excellence in academics and administration. For fulfillment of stated vision and mission, committees are formed. Decentralization of work through these committees ensures effective execution of all the activities.

Institution has a Governing Body(GB), College Development Committee(CDC), planning and Review committee(PRC) and Internal Quality Assurance Cell (IQAC). These provide guidelines to maintain quality in all aspects.

- The Governing Body gives directions and provides approvals to the institution related policies and activities.
- The College Development Committee (CDC) provides guidelines for effective implementation of academic and administrative activities.
- Planning and Review Committee (PRC) comprises HoD, Deans and IQAC The function of this committee is to take review of conducted activities.

The major decisions are taken in a participative manner. Faculty members are involved in execution of planned activities and assigned with academic and administrative responsibilities.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.1.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.1.1.pdf</a>
Upload any additional information	No File Uploaded

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

Institution follows practices formulated with the active participation of faculty members, HoDs, Deans, Principal and management authorities. Institution follows decentralized

working for academic and administrative activities that are distributed amongst faculty and staff members. Internal quality Assurance Cell (IQAC) functions for smooth conduction of overall activities and helps in effective implementation of quality policy. Principal, incharge of IQAC provides guidelines for maintaining quality in all aspects. Deans for Academics, Student affairs and Admissions heads various committees under them. Faculty members are involved and contribute to the various activities.

#### Case Study:

The Management supports for overall growth of students and encourages to organize technical events to enhance technical skills and leadership qualities within the students. The Institution organizes a national level technical event "Dexterity" every year. Various committees have been formulated including faculty members, supporting staff and students under the guidance of Management, Principal, HoDs and Deans. All the departments, based on domain area, organize events and students are motivated to explore their technical skills. This Platform helps students to apply engineering/management knowledge and analyze impact of solutions in social and environmental contexts. Students can function effectively as individuals or as leaders and acquire effective ways of communication and management principles.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.1.2.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.1.2.pdf</a>
Upload any additional information	No File Uploaded

## 6.2 - Strategy Development and Deployment

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

Strategic planning is the art of creating specific strategies, implementing them, and evaluating the results of executing the plan, in regard to the Institute's overall short term and long-term goals or desires. The development and execution of strategic planning are typically viewed as consisting of being performed in three critical steps namely, Strategic formulation, Strategic implementation and Strategic execution. It has a well-defined strategic plan based on



performance indicators and strategic goals. The performance indicators are admission, accreditation, human resource development, faculty development, national and international collaborations, entrepreneurship, research and development, succession ratio, alumni connect, career guidance, training and placement, extracurricular activities ,skill development, upliftment of society, green energy.

Case study:

#### PI-13: Skill Development

Institution focuses on developing skills within the students through curricular, co-curricular and extra- curricular activities. Every department identifies the gap for course, program and program specific outcomes and design skill development programs to overcome it. Students can be a part of one or more skill development programs as per their interests and can acquire skills and enhance their knowledge. This helps them to develop project based learning, interact with industry experts and grab the knowledge for job opportunities in their respective domain.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.2.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.2.1.pdf</a>
Upload any additional information	No File Uploaded

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

Functioning of the institution is carried out with the help of guidelines provided by the governing body ,policies and procedures formed ,and various committees that work under the guidance of Deans. The management participates actively through committees like Governing Body(GB) and College Development Committee(CDC) and provides support through Planning and Review Committee (PRC). Management has given due authority to the principal for decision making in day to day activities conducted at the institution.Academic and

administrative activities are led by Principal, Deans and HODs and College Examination Officer. Principal is the chairperson of IQAC and guides all members for overall quality improvement. Various activities are planned and conducted consisting of staff members under the guidance of Deans for Admission, Academics, Student Affairs. The heads, faculty members and director of physical education take care of curricular, co-curricular and extra-curricular aspects. The administrative activities are planned under the guidance of the registrar. The office superintendent is in charge of the HR, student and account sections. Institution has central facilities like Corporate Relations Division (CRD), Hostel and Library.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.2.2.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.2.2.pdf</a>
Link to Organogram of the institution webpage	<a href="https://mmcoe.edu.in/images/IQAC/Organogram.png">https://mmcoe.edu.in/images/IQAC/Organogram.png</a>
Upload any additional information	No File Uploaded

**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) Document	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<a href="#">View File</a>

**6.3 - Faculty Empowerment Strategies**

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

Welfare schemes are available for teaching and non-teaching staff:

- ? Contributory provident fund and gratuity
- ? Medical leave and Earned Leave (applicable to eligible staff)
- ? Maternity leave (applicable to eligible staff)
- ? Birthday celebration of staff members
- ? Gymnasium facility and motivational sessions
- ? COVID Kawach policy during COVID-19 pandemic Period
- ? Technical training sessions through FMCIII and Eduskills
- ? Group accident guard policy
- ? Provision of uniform, blazers and sweatshirt for teaching and non-teaching members

MMM's Sevakanchi Patsanstha Ltd. (Employees Credit Co-operative Society) The objective of this co-operative society is to provide helping hands to the needy employees of the Institution. It also encourages employees by felicitating them and their families for noteworthy achievements.

Facilities provided by co-operative society:

- ? Scholarships for education of employee's children
- ? Monetary help for medical purposes
- ? Group insurance for teaching and non-teaching staff
- ? Loan facility within a day.
- ? In medical emergency cases or for higher education of children, a loan without interest is made available within a couple of hours.
- ? For laptop purchase, loan without interest

Co-operative society works for the welfare of the employees and their family members.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.3.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.3.1.pdf</a>
Upload any additional information	No File Uploaded

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

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

20

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

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

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

13

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

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

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

101

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

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

**The institution has adopted a performance-based appraisal system for its staff.**

- All staff members are made aware of the below-mentioned points before appraisal
- At the end of the year, those who have completed a minimum one semester at MMCOE submit a self-appraisal form as per the schedule
- Assessment is done by respective Heads with further verification by Principal
- Staff members are counseled for improvement if the score is below 60.

Details and main components of appraisal are given below.

#### Appraisal system for teaching staff

It is based on the Revised 360° feedback and appraisal system of AICTE dated 1st March, 2019 known as PBAS.

#### Component-Points

- Teaching Learning process- 25
- Students' Feedback-25
- Departmental and Institute level activities-30
- Professional Development-5
- Contribution to society-5
- Annual Confidential Report-10

Total - 100

#### Appraisal system for non-teaching staff

Appraisal system for non-teaching staff is similar to the performance based appraisal for teaching staff with modifications as per their work profile.

#### Component-Points

- Feedback by Lab Incharge and Subject teacher for assigned lab-30
- Department and Institute level work assessment-40
- Contribution to society-10
- Annual Confidential Report-20

Total points-100

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.3.5.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.3.5.pdf</a>
Upload any additional information	No File Uploaded

#### 6.4 - Financial Management and Resource Mobilization

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

- The institution conducts internal and external financial audit as a regular practice every year with well-defined procedure with due permission and guidelines received by the management
- Institutional budget is prepared well in advance for the forthcoming financial year. This budget is allocated under different heads like lab equipment, consumables, furniture and fixtures, research and development, general / miscellaneous / any other items
- Internal audit is an on-going continuous process in addition to the external audit to verify and certify the entire income and expenditure of the institution each year.
- The Accounts department looks after the internal audit to verify that actual expenses are not exceeded the

budgeted amount and it is presented to the certified Chartered Accountant.

Institution carried out an internal audit by internal auditor Munde Shaha & Co. An external audit is also carried out in every financial year by Krishna Rawas and Associates.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.4.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.4.1.pdf</a>
Upload any additional information	No File Uploaded

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

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

0.65

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

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

The major source of income for the institution is tuition and development fees from the students. The other sources of funds are schemes and grants received from university as well as government and non-government organizations. These can be utilized for academic and administrative activities.

Procedure for utilization of financial resources :



- Institution has a well-defined budgeting system which includes regular expenses like staff payments and benefits, academic expenses, maintenance and expenses on facilities like audit fees, library, hostel, canteen, sports, gym etc.
- Departmental annual budget is formulated as per requirements for curricular and co-curricular activities before the start of the financial year. Principal reviews the budget of all departments and forwards it to the management
- The management takes a review and allocates sufficient finance to carry out activities in the institution
- For purchase, a minimum of three quotations are called from vendors. Comparative statement is prepared with cost, quality and specification details. Purchase order is placed with the due consent of the management after negotiation meeting by purchase committee
- Systematic mechanism for release of payments for day to day expenses like payment for consumables, various bodies and salary
- Provision for emergency expenditure as per the requirement

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.4.3.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.4.3.pdf</a>
Upload any additional information	No File Uploaded

## 6.5 - Internal Quality Assurance System

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

There are mainly two practices institutionalized by the IQAC,

i. Strategic planning:

Strategic planning is for implementing and evaluating the results of executing the plan, regarding the Institute's overall short and long-term goals.

Every year, One day workshop on "Strategic Planning" in the month of June is conducted. All the staff is actively involved in this workshop, where the key performance indicators (KPI) are defined after doing the SWOC analysis of the Institute. Once the KPI are defined, the targets are set for the respective academic year at the end of the workshop.

#### ii. Academic and Administrative Audit (AAA)

The purpose of an Academic and Administrative Audit is to encourage programs, departments and the institution to evaluate their quality processes and standards based on predetermined benchmarks and to suggest activities required to produce, assure, and regularly improve the quality of the whole system. The benchmarking parameters are academic activities and support systems including administrative, training & placement, alumni, extra-curricular activities (ECA), student chapters and internal quality assurance cell (IQAC) activities.

The frequency of the AAA audit is twice a year, at the beginning of each semester. The AAA audit is taken by internal as well as by external auditors.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.5.1.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.5.1.pdf</a>
Upload any additional information	No File Uploaded

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

The institute has a well-defined teaching learning policy. Before the commencement of an academic year, an institute planner and accordingly the department academic calendar is prepared. The course file is prepared for each course and the contents are planned with the help of course plan and corresponding session plans. The internal and external tools

of assessment are defined with the help of rubrics for theory, practical, seminar, project, PBL and audit courses. To ensure the quality of teaching learning process three academic audits are carried out for each course in a semester.

The institute has a strong alumni connection. and are also involved in the teaching-learning process in the form of expert talks, contributions in PAC, DAB and project evaluations.

The development activities are regularly shared with the stakeholders and the feedback is collected from time to time. Feedbacks include ICT feedback, expert feedback, industrial visit feedback, course end survey, and student satisfaction survey, graduate exit survey, alumni feedback, employer survey and parents feedback. Feedbacks are analyzed and the actions are taken.

IQAC conducts activities like workshop on strategic planning, workshop on team building, faculty induction program, training need analysis for Non-teaching staff, training programs under EduSkills and FMCI III.

File Description	Documents
Paste link for additional information	<a href="https://mmcoe.edu.in/images/NAAC/Cri.6/6.5.2.pdf">https://mmcoe.edu.in/images/NAAC/Cri.6/6.5.2.pdf</a>
Upload any additional information	No File Uploaded

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

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

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

Institute maintains gender equity through its curricular, co-curricular, extra-curricular, and other facilities on the campus. In curricular activities such as practical batches, girl students are equally distributed and given the freedom to change the batch as per their requirements. Students choose their own project group members which can be a combination of girls and boys. Girl students are visiting industries for mini projects, internships, and other technical events. Our Institute has provided a platform for co-curricular activities such as ROBOCON, BAJA, Students' Formula, Efficycle, Hackathon, Google Developers Student Club, etc where girls enthusiastically participate and work as team members in these activities. We have units for extra-curricular activities like NSS, NCC, sports, and cultural events which provide equal opportunities for girl students to participate. Guest lecture on gender equity is also conducted by NSS team. For girl students and staff, we have facilities such as a dedicated counselor, lady security guards, CCTV, Anti - Ragging committee, Grievance Redressal Committee, and a girls' common room. Gender equity can also be witnessed in student enrolment which we have 27% of girl students and 57.2% women staff.

File Description	Documents
Annual gender sensitization action plan	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.1%20Annual%20Gender%20Sensitization%20Plan%20A.Y.%202022-23.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.1%20Annual%20Gender%20Sensitization%20Plan%20A.Y.%202022-23.pdf</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.1%20Specific%20facilities.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.1%20Specific%20facilities.pdf</a>

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

**B. Any 3 of the above**

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

Our Institute has taken care of the waste generated in the campus by building the degradable and non-degradable waste plants in our college campus. E-waste collection bins are in use in the college since 2016. The discarded wires, data cables, mouse, mobile chargers, electronic parts, etc can be dumped in these bins. The bins have been given by Swachh NGO. A total of 3 bins have been set up at various places in the college and students dump their e-waste in it. The Swachh NGO collects the E-waste once the total weight is about 200 Kg. The solid waste disposal plant is located next to the boys' hostel. The kitchen waste from the college canteen is dumped into the pit and converted into manure with the help of vermi-compost. The harvest cycle is of 3 months and the

manure generated is used for gardening purpose. The plant was not functional since the college canteen and hostel were not in use during the pandemic but now the plant is functional, to decompose the solid waste like plant leaves and other solid waste.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	<a href="#">View File</a>

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

**C. Any 2 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

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

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

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

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

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

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

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft**

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

## copies of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	<a href="#">View File</a>
Details of the Software procured for providing the assistance	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

The NSS, NCC, Wagyajna Abhivyakti Gat, Extra Curricular Committee (ECA), and department student associations of our college organizes different programs for an inclusive environment. The institution believes in equality of all cultures and traditions as is evident from the fact that students belonging to different caste, religion, regions are studying without any discrimination. Our Moto (Yethe Bahutanche Hit) signifies our commitment towards the striving for betterment and welfare of society. Though the institution has diverse socio-cultural background and different linguistic, we do not have any intolerance towards cultural, regional, linguistic, communal socio economic and other diversities. With great fervor the national festivals, birth anniversaries and memorials of great Indian personalities are celebrated in the institute. The institution organizes an annual Cultural function ENSEMBLE along with sports competition. Motivational lectures are arranged for all-round development of the students for their personality development and to make them responsible citizens following the national values of social and communal harmony and national integration. Besides academic and cultural activities, we have built up many strong infrastructures for a variety of sports activities for the physical development of the students.



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

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

MMCOE have undertaken various activities to sensitize students and employees to the constitutional obligation about values, rights, duties and responsibilities of the citizens. Apart from flag hoisting celebrations on Republic and Independence day, various activities are promoted. Kargil Vijay Diwas was successfully organized by arranging the blood donation camp. NSS and NCC committee organized Covid-19 Vaccination Camp, Tree Plantation, Grocery Donation to Orphanage, NSS Winter Camp, NCC Orientation Program to create awareness about their duties, rights and to be a responsible citizen. International Yoga Day is also celebrated in the institute for building a healthy nation. Various student clubs of each department (MESA, EESA, CESA, etc) organise various extension activities which are helpful to the society. The Ganpati festival, Khandenavmi, Diwali, Shivjayanti and Dr. Babasaheb Ambedkar jayanti are celebrated enthusiastically in the Institution to introduce cultural rituals in the young generation. Institute has its students mentoring scheme in which 20 students are assigned under one faculty to discuss and solve the problems of those students. Staffs also groom the students about their rights, duties and help them to be a responsible citizen. Awareness about rights, duties and responsibilities is also done through the induction program organized for FEstudents.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.9%20Details%20of%20activities.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.9%20Details%20of%20activities.pdf</a>
Any other relevant information	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.9%20Relevant%20information.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.1.9%20Relevant%20information.pdf</a>

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

**4. Annual awareness programmes on Code of Conduct are organized**

A. All of the above

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

The institution believes in the equality of all cultures and traditions as is evident from the fact that students belonging to different caste, religion, regions are studying without any discrimination. Our Moto "Welfare of Masses" signifies our commitment towards the striving for betterment

and welfare of society. MMCOE committedly celebrates national and international days in our campus to create awareness of patriotism, health & fitness and social responsibilities among all the students and staff. Independence Day and Republic Day are celebrated every year to make proud and motivate all the students and staff for the development of our nation. In addition to these two national holidays, our institution commemorates a number of other national and international days so that students can learn about significant figures in our country's political, social, cultural, and scientific history. The Dean, NSS, NCC, sports and cultural faculty in-charge along with student coordinators plan the celebration of these events.

Our celebrations are as follows:

Dr. Babasaheb Ambedkar Jayanti

Diwali ? Ganesh Festival

Independence Day

International Women's Day

International Yoga day

Kargil Vijay Divas

Khadenavmi

Marathi Bhasha Gaurav Din

Republic Day

Shiv Jayanti

ENSEMBLE

DEXTERITY

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

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

1.Title: 'Continuous Professional Development'

2.Objective: To develop students' professional abilities.

3.The Context: Various functional committees and student chapters are formed to achieve the objective.

4.The Practice: Institute organizes project competitions, industrial visits, workshops, expert lectures, and skill development courses, etc.

5.Evidence of success: Students have completed certifications of NPTEL, Udemy, CISCO, Courera, IBM, AWS Academy, Great learning, Mathworks, 15 MOUs are signed, and published papers in various journals.

6.Problems Encountered: To maintain a balance between academic activities and technical event activities.

1.Title: 'Continuous Community Enrichment'

2.Objective: Encourage culture of community involvement

3.The Context: All staff and students of institute live and work, and it includes relationships between people, as well as the connections between people and institutions.

4.The Practice: Our institute plans the community services, and forms a dedicated team for each activity.

5.Evidence of Success: Nearby village people and junior college students are benefited through our community services by the activities like online MHT-CET mock test, Python training, Bi Focal crash course, ARDUINO BASICS, Safety Handling of Electronic Equipment, Fundamentals and Troubleshooting of vehicles, Brief introduction about MS office, electrical safety awareness are conducted for nearby village people.

6.Problems Encountered: To justify the outcome of activity and find suitable place.

File Description	Documents
Best practices in the Institutional website	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.2%20Best%20Practices.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.2%20Best%20Practices.pdf</a>
Any other relevant information	<a href="https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.2%20Relevant%20information%20Best%20Practices.pdf">https://www.mmcoe.edu.in/images/NAAC/Cri.7/7.2%20Relevant%20information Best%20Practices.pdf</a>

### 7.3 - Institutional Distinctiveness

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

In line with the motto of Marathwada Mitramandal "Yethe Bahutanche Hit" (Welfare of Masses), the Marathwada Mitramandal's College of Engineering has taken a bold step forward in establishing the Foundation for Make It happen Center for Invention, Innovation and Incubation (FMCIII) by partnering with Tata Technologies Ltd. (TTL), a leading global engineering service provider and Science and Technology Park, Pune (STP), a leading technology business incubator. It is located and functions on the campus of Marathwada Mitramandal's College of Engineering, Karvenagar, Pune. The FMCIII provides an ecosystem for enhancing skills among employable persons and identifying, promoting and supporting start-ups and budding entrepreneurs to successfully set up new enterprises. The center is equipped with all start-up related facilities and services to enable entrepreneurs to fulfill their objectives. Along with FMCIII, the institute motivates and financially supports students to participate in various national and international competitions like SAEINDIA BAJA, ROBOCON, SUPRA, Efficycle,

Hackathon, etc. Consistent participation and evidence of success proves the distinctiveness of the institute across the globe.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

Following activities are planned for the academic year 2023-24

1. Preparation of NBA accreditation for Computer Engineering, Information Technology and Electronics and Telecommunication Engineering
2. Participation in NIRF ranking
3. Increase the number of PhDs, PhD guides and cadre ratio in each department
4. Collaboration with national Institute of repute
5. Increase interdisciplinary projects
6. Increase research papers in SCOPUS/ SCI/ UGC indexed journals every year
7. Increase number of patents, copy rights, research funding, sponsored projects, internships
8. To strengthen the alumni connect
9. Motivate students to participate in community engagement activities
10. Increase participation in co-curricular, extra-curricular activities at national and international level
11. Motivate faculties to attend professional development programs/faculty development programs (Minimum one week)

12. Motivate faculties towards E-content development

13. To explore activities under Make It Happen-Invention, Innovation and Incubation Center (MMCIII)