



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1. Name of the Institution

Marathwada Mitra Mandal's College of Engineering, Karvenagar, Pune

- Name of the Head of the institution **Dr. V. N. Gohokar**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**
- Phone no./Alternate phone no. **7720097781 660**
- Mobile no **9604673600**
- 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://mmcoe.edu.in/images/NAAC-AQAR-report-20-21-1.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
Cycle 1	A	3.09	2017	30/10/2017	29/10/2022

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
MMCOE, Mechanical Engg, Dr. V.W. Bhatkar	Under graduate Equipment Grant	ASHRAE	2020-2021 (One year)	\$5,000 (Rs.355621)
MMCOE, Computer Engg, Mrs. P. S. Mehta	Aspire research grant	BCUD, SPPU, Pune	2019-2022 (Three Years)	1 Lakhs
MMCOE, IT, Ms. S. A. Kakad	Aspire research grant	BCUD, SPPU, Pune	2019-2022 (Three Years)	2.2 Lakhs

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 1

- 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)

Institute level portfolios are defined for smooth execution of the activities at Institute level.

The format of academic and administrative audit is designed in-line

with NAAC and NBA requirements.

A 360 degree feedback of faculties is taken based on various parameters.

Session on Research proposal Preparation: Challenges and Opportunities is conducted under IQAC by Dr. N.B. Chopade, Dy. Director, PCCOE.

The documentation format is revised which will be applicable for conduction of any activity in the institute

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
NBA Accreditation	<ul style="list-style-type: none"> • Computer and E&TC Department have prepared the SAR report. • Teaching-learning process is improved. More ICT tools are used of teaching-learning process and assessments. • Industry resource persons are involved in projects, internships and trainings. • MoUs are done with number of companies.
NAAC Accreditation	<ul style="list-style-type: none"> • AQAR report is uploaded for 2020-21
Research center of Computer Engineering department	<ul style="list-style-type: none"> • Admission process is initiated for Computer Engineering Department Research center. • To inculcate research activities at the research center
Research and development	<ul style="list-style-type: none"> • More number of good quality of publication • Filing patents based on research
Industry institute interaction cell	<ul style="list-style-type: none"> • Expert sessions are conducted for teachers and students by industry resource persons • Students received internships
To explore activities under Make It Happen- Invention, Innovation and Incubation Center (MMCIII)	<ul style="list-style-type: none"> • Received 1 crore from Startup India Seed Fund Scheme • Startup (Alumni of MMCOE)

	received funding under NIDHI Prayas • Students received Internships are sponsored projects
Appointment of best faculties	• Appointed faculties with good qualification
Use of ICT tools for teaching learning process	ICT tools are effectively used in teaching-learning process
Student development	MMCOE Google developer student club (GDSC) is started in the Institute.
Improving student placements	• Student placement for A. Y. 2021-22: 425 • One-to-one meeting with students

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

- Name of the statutory body

Name	Date of meeting(s)
IQAC	03/11/2022

14. Whether institutional data submitted to AISHE

Part A**Data of the Institution**

1.Name of the Institution	Marathwada Mitra Mandal's College of Engineering, Karvenagar, Pune
• Name of the Head of the institution	Dr. V. N. Gohokar
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	7720097781 660
• Mobile no	9604673600
• 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://mmcoe.edu.in/images/NAAC-AQAR-report-20-21-1.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
Cycle 1	A	3.09	2017	30/10/2017	29/10/2022
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
MMCOE, Mechanical Engg, Dr. V.W. Bhatkar	Under graduate Equipment Grant	ASHRAE	2020-2021 (One year)	\$5,000 (Rs.355621)
MMCOE, Computer Engg, Mrs. P. S. Mehta	Aspire research grant	BCUD, SPPU, Pune	2019-2022 (Three Years)	1 Lakhs
MMCOE, IT, Ms. S. A. Kakad	Aspire research grant	BCUD, SPPU, Pune	2019-2022 (Three Years)	2.2 Lakhs
8. Whether composition of IQAC as per latest NAAC guidelines		Yes		
<ul style="list-style-type: none"> Upload latest notification of formation of IQAC 		View File		
9.No. of IQAC meetings held during the year		1		
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 		Yes		
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 		No File Uploaded		
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?		No		
<ul style="list-style-type: none"> If yes, mention the amount 				
11. Significant contributions made by IQAC during the current year (maximum five bullets)				
Institute level portfolios are defined for smooth execution of the activities at Institute level.				

The format of academic and administrative audit is designed in-line with NAAC and NBA requirements.	
A 360 degree feedback of faculties is taken based on various parameters.	
Session on Research proposal Preparation: Challenges and Opportunities is conducted under IQAC by Dr. N.B. Chopade, Dy. Director, PCCOE.	
The documentation format is revised which will be applicable for conduction of any activity in the institute	
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
NBA Accreditation	<ul style="list-style-type: none"> • Computer and E&TC Department have prepared the SAR report. • Teaching-learning process is improved. More ICT tools are used of teaching-learning process and assessments. • Industry resource persons are involved in projects, internships and trainings. • MoUs are done with number of companies.
NAAC Accreditation	<ul style="list-style-type: none"> • AQAR report is uploaded for 2020-21
Research center of Computer Engineering department	<ul style="list-style-type: none"> • Admission process is initiated for Computer Engineering Department Research center. • To inculcate research activities at the research center
Research and development	<ul style="list-style-type: none"> • More number of good quality of publication • Filing patents based on research
Industry institute interaction cell	<ul style="list-style-type: none"> • Expert sessions are conducted for teachers and students by industry resource persons • Students received internships

To explore activities under Make It Happen- Invention, Innovation and Incubation Center (MMCIII)	<ul style="list-style-type: none"> Received 1 crore from Startup India Seed Fund Scheme Startup(Alumni of MMCOE0 received funding under NIDHI Prayas Students received Internships are sponsored projects
Appointment of best faculties	<ul style="list-style-type: none"> Appointed faculties with good qualification
Use of ICT tools for teaching learning process	ICT tools are effectively used in teaching-learning process
Student development	MMCOE Google developer student club (GDSC) is started in the Institute.
Improving student placements	<ul style="list-style-type: none"> Student placement for A. Y. 2021-22: 425 One-to-one meeting with students

13. Whether the AQAR was placed before statutory body?

Yes

- Name of the statutory body

Name	Date of meeting(s)
IQAC	03/11/2022

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2020-21	22/07/2022

15. Multidisciplinary / interdisciplinary

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 the part of project based learning and final year projects.

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 the skill development programs (SDP) in various domains. "Make It Happen: Center for Invention, Innovation & Incubation" (FMCIII) make students deployable by providing high-end and Industry specific training designed and delivered by Tata Technologies Ltd. and other Industry partners (Joint Certification from TTL, STP, and MMM). MMCOE provide strong mentorship to those who want to invent new products, services, and processes and to those who want to set up their own companies. These are assisted by Tata Technologies Ltd. and Science & Technology Park experts.

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 the 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 rythms 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) for each program. The POs, PSOs and PEOs are satisfied through the teaching-learning process and the additional programs conducted at the Institute. As the part of curriculum, each course has defined Course Outcomes (CO) which are mapped to POs and PSOs. Assessment tools are designed considering the requirements of POs. The activities and programs are organized in the Institute to achieve POs. At the end of the semester, analysis of PO, PSO attainment is done by each department.

20.Distance education/online education:

The Institute is affiliaed to Savitribai Phule Pune University, Pune. As per the guidelines of University, all lectures and

practicals are conducted in physical mode. During pandemic, the system has adopted the change from classroom teaching to blended learning. Google drive, Google classrooms are effectively used for course conduction and evaluation process. Each course contents are available on Goggle classroom including syllabus, PPTs and notes. The assessments of the courses are done through online assignments, quizzes. The MCQ tests are conducted using Moodle 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	330
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	2740
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	1113
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	671
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File
3.Academic	
3.1 Number of full time teachers during the year	134
File Description	Documents
Data Template	View File
3.2 Number of sanctioned posts during the year	159
File Description	Documents
Data Template	View File
4.Institution	
4.1 Total number of Classrooms and Seminar halls	32
4.2 Total expenditure excluding salary during the year (INR in lakhs)	561.62
4.3 Total number of computers on campus for academic purposes	808

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 the academic calendar for commencement and conclusion of the semester for UG and PG programs referring to SPPU academic planner. Every faculty member prepares the course plan at the

starting of the semester, mentioning text and reference books with a practical plan of experiments. Faculty members regularly upload their course material such as unit wise power point presentations, handwritten notes, lab manual, additional material as content beyond syllabus, assignments and question bank on Google drive folders shared with all the students. Due to COVID-19 pandemic situation, lectures are conducted online using the Google meet platform. All the lectures are recorded and made available to students on the google drive for better understanding of the course. Academic monitoring committee continuously monitors the schedule of classes, practical and tutorials through daily attendance. NPTEL videos, online courses and webinars are organized by the institution in collaboration with industries for effective curriculum delivery. A teacher guardian is assigned to every practical batch of 20 to 25 students. They regularly take feedback from students and counsel them for betterment.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

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 planner by referring to the university calendar mentioning unit tests after completion of a unit, In-semester examination, practical examinations, and preliminary examinations. Every course coordinator prepares a detailed question bank for entire syllabus for one, two and four-mark questions as per the Blooms Taxonomy with reference to GATE, UPSC

and other technical competitive examinations. The detailed assignments are prepared by every course coordinator by providing the hint for the answers for solving numerical problems and shared to every student through Google Class room.

Moodle platform is used for conducting the online examinations to avoid malpractices during COVID-19 pandemic situation for conducting unit tests as well as university in-semester examinations where objective and descriptive questions are shuffled. Academic monitoring committee conducts an inter and intra departmental faculty audit for ensuring the syllabus

completion, unit test conduction, recorded video links and unit wise notes for every course. The corrective actions are initiated for improvement and delivery of contents. Oral, practical and term work examinations are conducted time to time as per the circulars received from affiliating university.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

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

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

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	View File
Any additional information	View File

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

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)	View File

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)

23

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

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

1818

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

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 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. Indian Society of Heating Refrigerating and Air Conditioning Engineers (ISHRAE), American Society of Heating,

Refrigerating and Air-Conditioning Engineers (ASHRAE), Institution of Engineers (India) and Institutions Innovation Council (IIC) is celebrating Environmental Day, Earth Day, Engineers Day etc. for all institute students. Mechanical Engineering

Students Association (MESA) regularly organized orientation programs, technical and project competitions for all students. NSS organizes Shivaji Jayanti and Ganesh Utsav every year where students from all the branches took active part in the celebration. Blood donation camps are regularly organized where 300 to 500 students and faculty donate their blood to needy people in the society through Sassoon Govt. hospital and Gholap blood bank. 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 course in the curriculum where in students undergo four to six weeks industrial training of their choice.

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.	View File

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

17

File Description	Documents
Any additional information	No File Uploaded
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	View File

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

2793

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

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

B. Any 3 of the above

File Description	Documents
URL for stakeholder feedback report	Nil
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
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	View File
URL for feedback report	Nil

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

570

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

197

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

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:

1 Weak students are identified on the basis of performance in the university examinations, internal examinations, practicals, theory

lectures and attendance.

1 Students are counseled to identify reasons for their performance. Action is taken upon the reasons. E.g. If student have low confidence then counseling sessions are recommended. A full time counselor is appointed by the Institution.

1 Teacher Guardian is assigned after every 20-25 students. Monthly TG meetings are conducted. TGs monitor the progress of students under them and convey the progress to the ward's parents. TG also motivates the students for their academic as well as overall improvement.

1 The actions like extra lectures, extra assignments, University question papers solving are taken for improvement.

1 Remedial lectures are conducted for the failed students.

Encouragement for bright students:

1 Bright students are motivated to participate in Robocon, BAJA, SUPRA, Efficycle etc.

1 Online courses, training, and internships are recommended for them.

1 Bright students are motivated to participate in various technical events, project competitions, paper publications, hackathons etc.

1 Toppers of university examinations are felicitated.

1 Alumni association of the Institute provides scholarships to bright students.

1 The best outgoing students are awarded

File Description	Documents
Paste link for additional information	Nil
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
2475	134

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

Students are encouraged to participate in

Co-Curricular activities: Activities are conducted such as workshops, seminars, paper/poster presentations, training sessions, webinars, BAJA, ROBOCON, Efficycle, Hackathons etc.

Online courses: Students enroll for online courses through agencies like spoken tutorials, NPTEL, coursera, Udemy, Vlab. etc.

Extra curricular activities: Indoor sports events such as carrom, chess, etc. and outdoor events such as cricket, basket ball etc. Annual cultural event Ensemble to showcase student's skills in singing, dancing, drama, drawing etc.

Experiential learning: Project development, Seminars, Internships, mini projects.

Student associations(ACES, MESA, ITSA, BETA and EESA): 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): Platform to participate in technical and Nontechnical activities.

Student clubs: Google Developers Club, IT Tech club, Zenith astronomy club, Rotaract club, Wagyajna AbhivyaktiGat conduct technical, nontechnical and culturalevents to develop leadership qualities and Interpersonal skills.

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

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

Teachers are combining technology with traditional modes of instruction to engage students in learning process. Every department uses ICT teaching learning processes to support, enhance, and optimize the delivery of course contents.

1. ICT Tools: Institution emphasizes on usage of ICT tools including Google Apps (Google Drive, Google Classroom, Google Meet), Computer Systems, LCD Projector, Moodle, ERP, Wired Internet Facility, Wi-Fi, Vlab.
2. Google Drive: Course coordinator shares course material of respective courses through Google Drive.
3. Google Meet/Zoom: These video conferencing tools are used for conduction of online lectures/webinar/seminars etc.
4. Moodle: Used for conducting MCQ/Descriptive based online exams.
5. ERP: EPR admission module is available for students admission process.
6. Spoken Tutorial: Institution is a knowledge partner with IITB for spoken tutorial. Students enroll for various courses under this initiative, after successful completion of these exams students are awarded with certificates.
7. Vlabs: Institution is recognized as a nodal center for Vlabs developed by IIT Bombay. Students get access of various subject contents.
8. Internet facility: Internet facility is available in all the classrooms, laboratories, faculty rooms and office.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

134

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

134

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

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

21

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

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

11

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

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 Academic Monitoring Committee (AMC) under the Dean Academics prepares academic policy for internal assessment. Institution Examination Committee (IEC) prepares policy for Unit test. Transparency in internal assessment is ensured by respective course coordinators. AMC & IEC give guidelines for effective implementation internal examinations.

Unit Tests are conducted after completion of each unit. Pattern of the unit test is communicated to students well in advance. Unit tests are conducted via Moodle/Google Apps/Offline mode. Course coordinator prepares question paper of the unit test. Assessment of Unit tests is done by respective course coordinators. Retest is conducted for failed and absent students.

Practicals are assessed through Continuous Assessment System (CAS). At the end of semester mock Practical/Oral exams are

conducted. Term-work evaluation is based on Continuous Assessment System(CAS). CAS evaluation is based on 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	Nil

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

Institute conducts unit tests, mock practical/oral exams as part of internal assessment of students. The assessed internal test papers are shared with the students for self assessment and marks are displayed in time to maintain transparency.

In case of any discrepancies regarding internal assessment, the student is free to interact with the teacher and get it resolved immediately.

Continues Assessment System (CAS) is used laboratory experiments. Performance of the student is evaluated by the faculty members based on the rubric defined by the AMC and course coordinator. The laboratory submissions are made through Google classroom/Offline mode, marks are assigned to student by the faculty member after receiving submission.

This provides a transparent way for students to reflect on their strengths and areas of improvements.

Project/Seminar assessment is done by the panel (group of faculty members). The rubrics for Project/Seminar are designed and shared with the students.

Grievances of internal examinations are addressed on the same day through the respective course coordinators.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

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 Communication :

- Information related to academics is available on institute website.
- Program Outcomes (POs) are referred from NBA Annexure-1.
- Course outcomes (COs) of all courses are finalized through regular meetings of Module coordinator, HoD, Course coordinator.
- Blooms Taxonomy levels are used to define COs.
- 4 to 6 COs are defined for course of 100 marks, 2 to 4 COs are defined for the course of 50 marks.
- Course coordinators communicates COs to the students during the introduction lecture of the subject at the start of the semester.

The course outcomes (COs) for all courses are disseminated through college website, laboratory manuals, student journals, course files.

Program Outcomes, Program Specific Outcomes (PSO) of all programs offered by the institution are displayed on prominent places of each of the department.

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

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

PO and PSO assessment tools are categorized into two types.

1. Direct Assessment Method :Through CO attainment in relevant

courses.

1 Internal (Unit Tests, CAS)

1 External (University Theory Exam, University OR/PR Exam.)

2. Indirect Assessment Method

1 Student Exit Survey (After completion of final year)

1 Alumni Feedback (Once in a year)

1 Extra-Curricular Activities Feedback (After each activity)

1 Co-Curricular Activities Feedback (After each activity)

1 Employer Survey (Once in a year)

1 Parents Feedback (Once in a semester)

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

Target attainment levels are set for all courses based on previous years university examination results and complexity level of the subject. Target is set for attainment levels.

The CO-PO mapping with proper justification is prepared by the respective course coordinator. CO attainment is used for PO attainment as a direct tool.

Every program have set higher targets for subsequent years as a part of continuous improvement. If targets are not achieved for any course, an action plan is prepared to attain the target in subsequent years.

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

2.6.3 - Pass percentage of Students during the year

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

667

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

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://drive.google.com/file/d/1bLSUb9AXXqUhlEMo0dZsWtr-fXFYAjSw/view>

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)

6,75,621

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

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

4

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

3

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.ashrae.org/ http://www.unipune.ac.in/

3.2 - Innovation Ecosystem

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

The institute has created an ecosystem for Research and Innovation by taking initiative for creation & dissemination of knowledge and establishing state of the art infrastructure. MMCOE believes in inculcating innovation among students by contributing to nation's development that solves societal problems.

The College has created a MAKE IT HAPPEN- Center for Invention Innovation Incubation (MCIII) Joint Collaboration of Tata Technologies, Science and Technology Park and Marathwada Mitra Mandal, Pune for promoting innovation & entrepreneurship activities. MCIII has initiated various activities like incubation support, start-up initiatives & training programs. Provide guidance for Intellectual property rights (IPR) and technology management- patents, copyrights, and design registration. Provide customized co-working spaces to young entrepreneurs and incubate them. Every department has a Centre of Excellences for the faculty and students to encourage them to take up research & developmental activities by utilizing the existing resources.

In addition to the above-mentioned activities, the institute conducts Student Innovative Idea coding competition and Hackathon every year and that is evaluated by an appointed external committee comprising of industry experts and research lab scientists.

Financial support is extended to the students for exhibiting their models at the Idea Generation College has recognized Research Centre in the computer department

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

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

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

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

2

File Description	Documents
URL to the research page on HEI website	https://www.mmcoe.edu.in/index.php/faculty/research-projects
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
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

101

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

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

MMCOE has been keen in inculcating social awareness in students through curriculum and extension activities. MMCOE organizes blood donation camps, education awareness programmes, gender equality programs to create awareness of inhabitants.

The college effectively runs National Service Scheme (NSS), National Cadet Corps (NCC) and Adhar club. Through these units and clubs, the college undertakes various extension activities in the neighbourhood community, sensitizing students to social issues. During pandemic conditions, distribution of sanitizer, masks, tablets and grocery etc was carried out to help society's needy families. NSS volunteers address social issues which include cleanliness, tree plantation, water conservation etc. and they are also instrumental for celebration of traditional and cultural activities. Adhar club also helps students in selecting academic careers by conducting crash courses for under 12th students on python programming language, web development and bifocal subject classes.

Yoga Day was celebrated on every year on 21st June all over the world. MMCOE staff and students also practiced Yoga on this day.

MMCOE organized Educational and recreational activities and Clothes Donation Drive at Sai Seva Ashram.

One Day Salary in the month of September 2019 to Chief Minister Relief Fund Mumbai for the relief of people infloods.

File Description	Documents
Paste link for additional information	https://www.mmcoe.edu.in/index.php/student-s-corner/extra-curricular-events/nss-extension-activities
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

4

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

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

16

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

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**

1516

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

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**

93

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

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**

94

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

An adequate infrastructure is provided at the institute as per the norms specified by AICTE, and Savitribai Phule Pune University (SPPU) to provide the infrastructure to facilitate effective teaching and learning to the students. Modernization and updating of infrastructure resources is carried out from time to time even over and above the norms of AICTE and SPPU for effective teaching and learning. The Institution provides modern infrastructure like smart classrooms, updated laboratories, library with reading room. As per the change in the syllabus, institution continuously upgrades infrastructural facilities.

Classrooms: are well ventilated with natural air and are having abundant sunlight along with LCD Projectors, Smart Boards.

Laboratories: are updated time to time with the latest equipment. Timely purchase, Maintenance and repairs is carried out and write off is also done for irreparable equipment. All the labs are having proper lighting and ventilation. The performance of equipment is monitored on a regular basis and the stock verification committee takes care of verification of instruments, its record in dead stock register and right-off of the equipment before the commencement of each semester of an academic year.

Computer laboratory: Sufficient number of computers with latest configuration along with printers, scanners and photocopiers

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

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. Diwali Magazine, 'Mandiyalee' is also published annually wherein articles, poems, sketches etc. by students are included. Annual cultural festival, 'Ensemble' is celebrated with great enthusiasm. This annual fest provides platform for students to exhibit their skills such as singing, acting. 'C Major' is the club of music and poetry runs different music events such as singing competitions etc.

Sports activities (indoor and outdoor): A well-equipped gymnasium, yoga centre is available in campus. The Institution has adequate facilities for cultural activities, sports as well as for indoor, outdoor games and yoga centre. Seminar hall is used as a yoga centre. Area provided for Seminar Hall is 132 sq. m. Director of physical education looks after all sports activities in the college.

The institution has playground of 60 m x 50m for outdoor games. Basketball ground area is 25 m x 13 m. For indoor games 40 sq.m. and for gymnasium 30 sq.m space is provided

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

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

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)	View File

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)

262.78

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

The library management System : SLIM - 21, Version: 3.6 and Year of Automation: 2011

Nature of automation : Fully Automated with bar code technology,

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), 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.

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

The monthly usage report for e-resources is generated through the same software i.e., IEEEASPP usage report. Similarly, the J-Gate and DELNET also has a provision to generate usage report monthly.

A register is maintained at the library wherein students/ faculty sign at the time of entry and exit, too. This system ensures the security of books as well as the individual.

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

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)	View File

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)

29569.50

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

4.2.4 - 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

75

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

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

Institute has updated configuration and LAN connected 808 computers.

WiFi facility is also available at college and hostel premises.

All computers are connected to a broadband internet connection having speed more than 500 MBPS.

A separate, dedicated 'Thin Client lab' with 60 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.

A central server room is maintained to look after connectivity of all computers and cyber security related issues.

For safety and security of data, a licensed UTM having facility of firewall, web content filtering , gateway antivirus, VPN, bandwidth shaping and VLAN routing is available with institute.

Institute is having a Face recognition machine for taking Attendance of faculty and staff members.

Enterprise Resource Planning (ERP) based admission management module used by institute for the student database.

Today's students have risen up communicating and sharing experiences on social media sites like Facebook & Instagram. Using the power of different networks and engaging content, institutes are using social media to attract students, interact with current students and stay connected with alumni. Two main platforms available to communicate with students are Facebook, LinkedIn.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.youtube.com/channel/UC4ZIkZoKmyoKDNypTSM-Eqg , https://in.linkedin.com/company/mmcoe , https://twitter.com/mmcoe1 , https://www.facebook.com/MMCOE-PUNE-319413014914643/ , https://www.instagram.com/mmcoepune

4.3.2 - Number of Computers

808

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	No File Uploaded

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	View File

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)

199.32

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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.

Laboratory : Lab in charge takes care of the respective lab . A proper budget is proposed every year by the respective lab. Budget is for repairs, maintenance, consumable items and new purchases etc. New purchases as per the changing syllabus and trends in technology and write off of the irreparable & damaged equipment is regularly done after each semester. A proper record of maintenance activities and consumables purchased are entered in the respective dead stock registers.

.Library: Book racks are thoroughly cleaned once in a week. Old books are taken for rebinding once a year. The renewals of subscriptions of various e-journals and magazines is also done yearly. The equipment in library such as Photocopy machine, scanners, I-Card printing machine are regularly checked as per scheduled maintenance. The stock verification is done as a part of regular maintenance

Sports complex: The playground is cleaned and maintained regularly.

Computers : Before commencement of the semester, all the computers checked. The photocopy machine, computers, printers, scanners are given for maintenance from time to time. As per the latest configuration, new versions of software are purchased.

Classrooms : Classroom cleaning is assigned to external agency with an annual contract.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students 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

1614

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
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)	View File

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

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

49

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

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	https://www.mmcoe.edu.in/index.php/electrical-engineering/electrical-engineering/co-curricular-activities/technical-events
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

1286

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

1286

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution 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	View File
Upload any additional information	No File Uploaded
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

425

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

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

40

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

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

53

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

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.

25

File Description	Documents
e-copies of award letters and certificates	View File
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)	View File

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 organises 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-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	https://www.mmcoe.edu.in/index.php/student-s-corner/co-curricular-events/student-club
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

29

File Description	Documents
Report of the event	View File
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)	View File

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/alimni-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 programme for students from the weaker sections.

The Alumni Association is awarding scholarships worth Rs.5000 to ten students from various branches. One of the alumni from Electronics and Telecommunication Engineering is distributing Rs. 10,000 to needy students from the same department.

File Description	Documents
Paste link for additional information	https://www.mmcoe.edu.in/index.php/alumni-1/alumni-association
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	View File

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.

Quality education and excellence is maintained in all the aspects including academics and administration that helps students for overall growth. Faculty members actively participate in various institutional committees and professional bodies and contribute in decision making to achieve goals set as per the perspective plan. Faculty members show leadership qualities and contribute for smooth execution of all the academic and administrative activities.

Case study :

Alumni association committee functions for maintaining healthy and active contacts with alumni members. Faculty members organize various activities with the help of alumni members at department or institutional level .Alumni meet is organized every year to interact with alumni members and to receive valuable feedback for institutional growth and benefit. Faculty members try to identify industry academia gaps and arrange guest lectures/workshops/ technical events /guidance sessions with the help of alumni as industry experts.

File Description	Documents
Paste link for additional information	https://mmcoe.edu.in/index.php/about-us/vision-and-mission , https://mmcoe.edu.in/index.php/alumni-1/alumni-association
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 has well defined policies 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 in the incharge of IQAC and provides guidelines for maintaining quality in all aspects. Deans for Academics, Research and Development, Student affairs and Administration heads various committees under them. Faculty members get involved and contribute for the various activities.

Case Study:

Institution takes efforts to provide quality education and to make students globally competent. Academic monitoring committee works under the guidance of Dean Academics that involves representation of faculty members from all the departments. Academic monitoring committee provides guidelines through academic planner and calendar for conduction of academic activities throughout the semester. Preparation for academics is done well in advance by faculty members.

Academic audit conduction is regular practice for ensuring quality and well preparedness for smooth conduction of outcome based academics.

File Description	Documents
Paste link for additional information	https://www.mmcoe.edu.in/index.php/iqac/iqac , https://www.mmcoe.edu.in/index.php/academics/preamble-of-academics-at-mmcoe
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

MMCOE has a Center for Invention, Innovation and Incubation established by Marathwada Mitra Mandal, Pune in collaboration with

Tata Technologies Ltd. (TTL) and Science & Technology Park (STP), Pune. The center received funds of Rs. 01 Crore from Startup India Seed Fund Scheme. Under NIDHI Prayas one Startup (Alumni of MMCOE) received funding of Rs. 10 Lakh for their innovative 'E-Wheelchair' product. Faculties of MMCOE and My Research Room Startup together received a grant of Rs. 10 Lakh under CSR Project (ATA FREIGHT LINE INDIA PVT. LTD.) for 'IoT Based Solar Dryer'. Various training programs are conducted for faculties and students. Trained students got placement opportunities after completing the training. Students got internships from various startup companies. Students worked on sponsored projects under the center. Various events are organized such as industry meet, startup exhibition, IPR session and expert talks.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the 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 functional committees that work under the guidance of Deans. Honorable management provides support and participates actively through committees like Board of Governance (BOG) Local Management Committee (LMC), and Campus Coordination Committee (CCC), Campus Development Committee (CDC). Management has given due authority to the principal for decision making in day to day activities conducted at the institution. Academic and administrative departments are led by Principal, Deans and HODs. Principal is the chairperson of IQAC and guides all members for overall quality improvement. Functional committees consisting of staff members are categorized under Administration, Academic, Student affairs and R&D which are headed by respective Deans. The heads and faculty members of these committees take care of curricular, co-curricular and extra-curricular aspects. 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	Nil
Link to Organogram of the institution webpage	https://www.mmcoe.edu.in/images/IQAC/Institutional%20organogram%2021-22.jpg
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	No File Uploaded
Screen shots of user interfaces	View File
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

Institution offers welfare schemes for the benefits of the employees .

Following 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)
- Advance payment to staff member to meet their emergencies

- Birthday celebration of staff members at department level
- Gymnasium facility, Yoga sessions and motivational talks
- COVID Kawach policy during COVID-19 pandemic period
- Technical training sessions through MMCI and other industry institution interactions
- Group accident guard policy

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
- Loan facility up to Rs. 5,50,000/- within a day.
- In medical emergency cases or for higher education of children , loan of Rs. 75,000/- without interest is made available within a couple of hours.
- For laptop purchase, loan up to Rs 27,000/- without interest
- Co-operative society works positively for the welfare of the employees and their family members.

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

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**

08

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

6.3.3 - Number of professional development /administrative training 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**

44

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	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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**

167

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

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

Appraisal system for teaching staff

The institution has adopted a performance-based appraisal system for teaching staff based on Revised 360° feedback and appraisal system of AICTE dated 1st March, 2019 known as PBAS. Main components of the appraisal system for overall 100 points is divided further into seven components as given under:

- ? Teaching Learning process - 25 points
- ? Students' Feedback - 25 points
- ? Departmental activities - 20 points
- ? Institute level activities -10 points
- ? Professional Development- 5 points
- ? Contribution to society - 5 points
- ? ACR (Annual Confidential Report) - 10 points

Appraisal system for non-teaching staff

- ? Students' Feedback -15 points
- ? Departmental activities - 25 points

? Feedback by Lab Incharge -10 points

? Feedback by the Subject teacher for assigned lab - 10 points

? Institute level activities -25 points

? Contribution to society - 5 points

? ACR (Annual Confidential Report) - 10 points

Submission of Self Appraisal form

? Staff members are made aware of appraisal, they submit self-appraisal form as per the guidelines

- Assessment is done by respective Heads with further verification by Principal and counseling is done for improvement if the score is below 60.

File Description	Documents
Paste link for additional information	Nil
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 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 equipments, consumables, furniture and fixtures, research and development ,general / miscellaneous / any other items
- Audit conduction helps to verify and certify the entire income and expenditure of the institution each year

- The Accounting and Auditing Committee 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.

File Description	Documents
Paste link for additional information	Nil
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)

0.1

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

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 are schemes and grants received from university, government and non-government organizations. These can be utilized for purchases of academic and administrative activities.

Procedure for utilization of financial resources effectively:

- Institution has a well-defined budgeting system which includes regular expenses like staff payments and benefits, academic expenses, maintenance and expenses on other facilities like audit fees, library, hostel, canteen, sports,

gym.

- Departmental annual budget is formulated as per revised syllabus requirements, planned co-curricular activities, research work etc. 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
- There is a systematic mechanism for release of payments for day to day expenses like payment for consumables, various bodies and salary
- Provision is also made for emergency expenditure as per the requirement

File Description	Documents
Paste link for additional information	Nil
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

Best Practice I: Professional Skills exposure to students

Institution organized University sponsored workshops on emerging technologies for faculty members and students. Students publish ideas in National/International Conferences/Journals. Expert lectures are conducted for students by Industry Professionals. Faculty members and students are active members of professional bodies like ACM, IEEE, CSI, ISTE, SAEINDIA, GDSC etc. Various student associations are formed at department level. Technical/Non

- technical events are organized under the leadership of student coordinators of each student association to improve the professional and technical skills of students to enhance their employability.

Best Practice II: Industry Institution Interaction

Institution is member of reputed Industry professional bodies like MCCIA, CII etc. Make It Happen Center for Invention, Innovation and Incubation (MCIII) is established in collaboration with Tata Technologies Ltd. and Science and Technology Park. The main motto behind this is enabling domain exploration through working principles, application and hands-on experience to make students deployable. It facilitates training, manufacturing, R&D activities and incubation centers. The Industrial liaison program is aimed at developing meaningful relationships with industries and strengthening relationships between Institution and Industry. Various activities are conducted including FDPs, SDPs, Curriculum Review, and International Linkages, MoUs and partnership with various Industries and consultancy.

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

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

Teaching-learning process: During pandemic , the teaching-learning paradigm is shifted to online mode. Online sessions were conducted using various platforms .Video recordings are made available to the students. Course material is uploaded on Google classroom and Google drive for quick reference. Unit tests, Prelim

examinations and elective subject's end-semester examinations are held on Online platform (moodle). Students' feedback is collected in the form of ICT tool survey, course end survey, etc via Google form. Student performance valuation is carried through assignments, quizzes, case studies using ICT tools. Honors course is introduced for TE/BE students IQAC regularly checks the quality of the teaching-learning process. Internal audit is conducted to benchmark the teaching-learning process. Experts' suggestions are

incorporated.

Incremental Improvements through IQAC: IQAC regularly conducts internal meetings. Review of academic and administrative activities are taken on weekly basis. Research center of computer engineering department has done 2 MoUs in DS and IoT domain. Training program are conducted in incubation center under "Make It Happen Center for Invention, Innovation and Incubation. Student placement for A. Y. 2021-22 is improved. Every department defined development plan and executed various activities. IQAC has conducted development programs for support staff - Research proposal Preparation: Challenges and Opportunities.

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

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. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.mmcoe.edu.in/images/NAAC/Annual%20Report_14%20March%202022_short%20version.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

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	https://drive.google.com/file/d/1qbpL5gpycZIjKihXYM6X4r44z01wovRO/view?usp=share_link
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	https://docs.google.com/document/d/1KDGz3nSZ7wkR_B-UPGjRzfI9P0l2QYc6/edit?usp=share_link&oid=114660876184229862935&rtpof=true&sd=true

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-

C. Any 2 of the above

**based energy conservation Use of LED bulbs/
power efficient equipment**

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 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	No File Uploaded
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling D. Any 1 of the above

Maintenance of water bodies and distribution system in the campus

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

7.1.5 - Green campus initiatives include

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

B. Any 3 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	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

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

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

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms.

Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities

(Divyangjan) accessible website, screen-reading software, mechanized equipment

5. Provision for enquiry and information :

Human assistance, reader, scribe, soft copies of reading material, screen reading

B. Any 3 of the above

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

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

The NSS, NCC, Wagyajna Abhivyakti Gat, Extra Curricular Committee (ECA) 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. Rashtriya Ekta Diwas (pledge is taken by staff and students on National Integration Day) every year. 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)	View File
Any other relevant information	No File Uploaded

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

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, Virtual Wari, Shiv 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. This 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 first year students.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://docs.google.com/document/d/1M_gpY5oBn35YKeJkvRZbcQAETwpVXTOF/edit?usp=share_link&oid=114660876184229862935&rtpof=true&sd=true
Any other relevant information	Nil

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

4. Annual awareness programmes on Code of Conduct are organized

B. Any 3 of the above

File Description	Documents
Code of ethics policy document	View File
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	View File
Any other relevant information	No File Uploaded

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:

- Babasaheb Ambedkar Jayanti
- Diwali
- Ganesh Festival
- Independence Day
- International Women's Day

- International Yoga day
- Kargil Vijay Divas
- Marathi Bhasha Gaurav Din
- National Youth Day
- Republic Day
- Shiv Jayanti

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

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 of the Practice - Professional Skills exposure to students

2. Objectives

To enhance professional skills to improve their employability and organize training programs to motivate higher education and Entrepreneurship.

3. The Context

Students need to be updated about Industry demands and new technologies. The institute provides a platform to participate in various national and international events to meet the above demand.

4. The Practice

- Participating/organising various technical events, Workshops, FDPs, Paper presentations, Guest/Expert lectures, add-on courses/certification courses and visits by Institute.
- Faculty members and students are active members of professional bodies like ACM, IEEE, CSI, ISTE, SAEINDIA, ISHRAE, ASHRAE, IEI, QCFI, IAENG, ISRD, etc.

5. Evidence of success

- MMCOE teams secured AIR 1st, AIR 8th, AIR 18th, Best Paper Award, "Best Aesthetic" award in Efficycle 2021, FORMULA BHARAT 2022, BAJA SAEINDIA 2022, IEEE Conference, and National ROBOCON respectively.
- MMCOE signed Various MOUs, received various sponsored projects and arranged guest/expert lectures and Industrial visits.

6. Problems Encountered and Resources required

- To maintain a balance between curricular and co-curricular activities.
- Some students are from vernacular backgrounds and have poor English communication skills, which need to be improved.

File Description	Documents
Best practices in the Institutional website	https://mmcoe.edu.in/images/7.2-Best_practices_21-22.pdf
Any other relevant information	Nil

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 a Section 8 non-profit company registered under MCA with 80G and 12A certifications. It is located and functions at 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 set up new enterprises successfully. 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, Aeromodelling etc. Consistent participation and evidence of success prove the distinctiveness of the institute across the globe. In AY 2021-22 financial support by the college was Rs 33,22,210/-

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 the academic calendar for commencement and conclusion of the semester for UG and PG programs referring to SPPU academic planner. Every faculty member prepares the course plan at the starting of the semester, mentioning text and reference books with a practical plan of experiments. Faculty members regularly upload their course material such as unit wise power point presentations, handwritten notes, lab manual, additional material as content beyond syllabus, assignments and question bank on Google drive folders shared with all the students. Due to COVID-19 pandemic situation, lectures are conducted online using the Google meet platform. All the lectures are recorded and made available to students on the google drive for better understanding of the course. Academic monitoring committee continuously monitors the schedule of classes, practical and tutorials through daily attendance. NPTEL videos, online courses and webinars are organized by the institution in collaboration with industries for effective curriculum delivery. A teacher guardian is assigned to every practical batch of 20 to 25 students. They regularly take feedback from students and counsel them for betterment.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

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 planner by referring to the university calendar mentioning unit tests after completion of a unit, In-semester examination, practical examinations, and preliminary examinations. Every course coordinator prepares a detailed question bank for entire

syllabus for one, two and four-mark questions as per the Blooms Taxonomy with reference to GATE, UPSC

and other technical competitive examinations. The detailed assignments are prepared by every course coordinator by providing the hint for the answers for solving numerical problems and shared to every student through Google Class room.

Moodle platform is used for conducting the online examinations to avoid malpractices during COVID-19 pandemic situation for conducting unit tests as well as university in-semester examinations where objective and descriptive questions are shuffled. Academic monitoring committee conducts an inter and intra departmental faculty audit for ensuring the syllabus completion, unit test conduction, recorded video links and unit wise notes for every course. The corrective actions are initiated for improvement and delivery of contents. Oral, practical and term work examinations are conducted time to time as per the circulars received from affiliating university.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

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

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	View File
Any additional information	View File

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

37

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)	View File

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)

23

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

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

1818

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

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 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. Indian Society of Heating Refrigerating and Air Conditioning Engineers (ISHRAE), American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), Institution of Engineers (India) and Institutions Innovation Council (IIC) is celebrating Environmental Day, Earth Day, Engineers Day etc. for all institute students. Mechanical Engineering

Students Association (MESA) regularly organized orientation programs, technical and project competitions for all students. NSS organizes Shivaji Jayanti and Ganesh Utsav every year where students from all the branches took active part in the celebration. Blood donation camps are regularly organized where 300 to 500 students and faculty donate their blood to needy people in the society through Sassoon Govt. hospital and Gholap blood bank. 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 course in the curriculum where in students undergo four to six weeks industrial training of their choice.

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.	View File

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

17

File Description	Documents
Any additional information	No File Uploaded
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	View File

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

2793

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the

B. Any 3 of the above

institution from the following stakeholders
Students Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	Nil
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
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	View File
URL for feedback report	Nil

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

570

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

197

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

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:

1 Weak students are identified on the basis of performance in the university examinations, internal examinations, practicals, theory lectures and attendance.

1 Students are counseled to identify reasons for their performance. Action is taken upon the reasons. E.g. If student have low confidence then counseling sessions are recommended. A full time counselor is appointed by the Institution.

1 Teacher Guardian is assigned after every 20-25 students. Monthly TG meetings are conducted. TGs monitor the progress of students under them and convey the progress to the ward's parents. TG also motivates the students for their academic as well as overall improvement.

1 The actions like extra lectures, extra assignments, University question papers solving are taken for improvement.

1 Remedial lectures are conducted for the failed students.

Encouragement for bright students:

1 Bright students are motivated to participate in Robocon, BAJA, SUPRA, Efficycle etc.

1 Online courses, training, and internships are recommended for them.

1 Bright students are motivated to participate in various technical events, project competitions, paper publications, hackathons etc.

1 Toppers of university examinations are felicitated.

1 Alumni association of the Institute provides scholarships to bright students.

1 The best outgoing students are awarded

File Description	Documents
Paste link for additional information	Nil
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
2475	134

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

Students are encouraged to participate in

Co-Curricular activities: Activities are conducted such as workshops, seminars, paper/poster presentations, training sessions, webinars, BAJA, ROBOCON, Efficycle, Hackathons etc.

Online courses: Students enroll for online courses through agencies like spoken tutorials, NPTEL, coursera, Udemy, Vlab. etc.

Extra curricular activities: Indoor sports events such as carrom, chess, etc. and outdoor events such as cricket, basket ball etc. Annual cultural event Ensemble to showcase student's skills in singing, dancing, drama, drawing etc.

Experiential learning: Project development, Seminars, Internships, mini projects.

Student associations(ACES, MESA, ITSA, BETA and EESA): 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): Platform to participate in technical and Nontechnical activities.

Student clubs: Google Developers Club, IT Tech club, Zenith astronomy club, Rotaract club, Wagyajna AbhiviyaktiGat conduct technical, nontechnical and culturalevents to develop leadership qualities and Interpersonal skills.

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

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

Teachers are combining technology with traditional modes of instruction to engage students in learning process. Every department uses ICT teaching learning processes to support, enhance, and optimize the delivery of course contents.

1. ICT Tools: Institution emphasizes on usage of ICT tools including Google Apps (Google Drive, Google Classroom, Google Meet), Computer Systems, LCD Projector, Moodle, ERP, Wired Internet Facility, Wi-Fi, Vlab.

2. Google Drive: Course coordinator shares course material of respective courses through Google Drive.

3. Google Meet/Zoom: These video conferencing tools are used for conduction of online lectures/webinar/seminars etc.

4. Moodle: Used for conducting MCQ/Descriptive based online exams.

5. ERP: EPR admission module is available for students admission process.

6. Spoken Tutorial: Institution is a knowledge partner with IITB for spoken tutorial. Students enroll for various courses

under this initiative, after successful completion of these exams students are awarded with certificates.

7. Vlabs: Institution is recognized as a nodal center for Vlabs developed by IIT Bombay. Students get access of various subject contents.

8. Internet facility: Internet facility is available in all the classrooms, laboratories, faculty rooms and office.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

134

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

134

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

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

21

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

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

11

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

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 Academic Monitoring Committee (AMC) under the Dean Academics prepares academic policy for internal assessment. Institution Examination Committee (IEC) prepares policy for Unit test. Transparency in internal assessment is ensured by respective course coordinators. AMC & IEC give guidelines for effective implementation internal examinations.

Unit Tests are conducted after completion of each unit. Pattern of the unit test is communicated to students well in advance. Unit tests are conducted via Moodle/Google Apps/Offline mode. Course coordinator prepares question paper of the unit test. Assessment of Unit tests is done by respective course coordinators. Retest is conducted for failed and absent students.

Practicals are assessed through Continuous Assessment System (CAS). At the end of semester mock Practical/Oral exams are conducted. Term-work evaluation is based on Continuous Assessment System(CAS). CAS evaluation is based on 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	Nil

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

Institute conducts unit tests, mock practical/oral exams as part of internal assessment of students. The assessed internal test papers are shared with the students for self assessment and marks are displayed in time to maintain transparency.

In case of any discrepancies regarding internal assessment, the student is free to interact with the teacher and get it resolved immediately.

Continues Assessment System (CAS) is used laboratory experiments. Performance of the student is evaluated by the faculty members based on the rubric defined by the AMC and course coordinator. The laboratory submissions are made through Google classroom/Offline mode, marks are assigned to student by the faculty member after receiving submission.

This provides a transparent way for students to reflect on their strengths and areas of improvements.

Project/Seminar assessment is done by the panel (group of faculty members). The rubrics for Project/Seminar are designed and shared with the students.

Grievances of internal examinations are addressed on the same day through the respective course coordinators.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

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 Communication :

- Information related to academics is available on institute website.
- Program Outcomes (POs) are referred from NBA Annexure-1.
- Course outcomes (COs) of all courses are finalized through regular meetings of Module coordinator, HoD, Course coordinator.
- Blooms Taxonomy levels are used to define COs.
- 4 to 6 COs are defined for course of 100 marks, 2 to 4 COs are defined for the course of 50 marks.
- Course coordinators communicates COs to the students during the introduction lecture of the subject at the start of the semester.

The course outcomes (COs) for all courses are disseminated through college website, laboratory manuals, student journals, course files.

Program Outcomes, Program Specific Outcomes (PSO) of all programs offered by the institution are displayed on prominent places of each of the department.

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

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

PO and PSO assessment tools are categorized into two types.

1. Direct Assessment Method :Through CO attainment in relevant courses.

1 Internal (Unit Tests, CAS)

1 External (University Theory Exam, University OR/PR Exam.)

2. Indirect Assessment Method

1 Student Exit Survey (After completion of final year)

1 Alumni Feedback (Once in a year)

1 Extra-Curricular Activities Feedback (After each activity)

1 Co-Curricular Activities Feedback (After each activity)

1 Employer Survey (Once in a year)

1 Parents Feedback (Once in a semester)

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

Target attainment levels are set for all courses based on previous years university examination results and complexity

level of the subject. Target is set for attainment levels.

The CO-PO mapping with proper justification is prepared by the respective course coordinator. CO attainment is used for PO attainment as a direct tool.

Every program have set higher targets for subsequent years as a part of continuous improvement. If targets are not achieved for any course, an action plan is prepared to attain the target in subsequent years.

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

2.6.3 - Pass percentage of Students during the year

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

667

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

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://drive.google.com/file/d/1bLSUb9AXXqUhlEMo0dZsWtr-fXFYAjSw/view>

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)	
6,75,621	
File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File
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	
4	
File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File
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	
3	

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.ashrae.org/ , http://www.unipune.ac.in/

3.2 - Innovation Ecosystem

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

The institute has created an ecosystem for Research and Innovation by taking initiative for creation & dissemination of knowledge and establishing state of the art infrastructure. MMCOE believes in inculcating innovation among students by contributing to nation's development that solves societal problems.

The College has created a MAKE IT HAPPEN- Center for Invention Innovation Incubation (MCI III) Joint Collaboration of Tata Technologies, Science and Technology Park and Marathwada Mitra Mandal, Pune for promoting innovation & entrepreneurship activities. MCI III has initiated various activities like incubation support, start-up initiatives & training programs. Provide guidance for Intellectual property rights (IPR) and technology management- patents, copyrights, and design registration. Provide customized co-working spaces to young entrepreneurs and incubate them. Every department has a Centre of Excellences for the faculty and students to encourage them to take up research & developmental activities by utilizing the existing resources.

In addition to the above-mentioned activities, the institute conducts Student Innovative Idea coding competition and Hackathon every year and that is evaluated by an appointed external committee comprising of industry experts and research lab scientists.

Financial support is extended to the students for exhibiting

their models at the Idea Generation College has recognized Research Centre in the computer department

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

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

32

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

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

2

File Description	Documents
URL to the research page on HEI website	https://www.mmcoe.edu.in/index.php/faculty/research-projects
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
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

101

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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**

26

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

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

MMCOE has been keen in inculcating social awareness in students through curriculum and extension activities. MMCOE organizes blood donation camps, education awareness programmes, gender equality programs to create awareness of inhabitants.

The college effectively runs National Service Scheme (NSS), National Cadet Corps (NCC) and Adhar club. Through these units and clubs, the college undertakes various extension activities in the neighbourhood community, sensitizing students to social issues. During pandemic conditions, distribution of sanitizer, masks, tablets and grocery etc was carried out to help society's needy families. NSS volunteers address social issues which include cleanliness, tree plantation, water conservation etc. and they are also instrumental for celebration of traditional and cultural activities. Adhar club also helps

students in selecting academic careers by conducting crash courses for under 12th students on python programming language, web development and bifocal subject classes.

Yoga Day was celebrated on every year on 21st June all over the world. MMCOE staff and students also practiced Yoga on this day.

MMCOE organized Educational and recreational activities and Clothes Donation Drive at Sai Seva Ashram.

One Day Salary in the month of September 2019 to Chief Minister Relief Fund Mumbai for the relief of people infloods.

File Description	Documents
Paste link for additional information	https://www.mmcoe.edu.in/index.php/students-corner/extra-curricular-events/nss-extension-activities
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

4

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

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

16	
File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File
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	
1516	
File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File
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	
93	
File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

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

94

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

An adequate infrastructure is provided at the institute as per the norms specified by AICTE, and Savitribai Phule Pune University (SPPU) to provide the infrastructure to facilitate effective teaching and learning to the students. Modernization and updating of infrastructure resources is carried out from time to time even over and above the norms of AICTE and SPPU for effective teaching and learning. The Institution provides modern infrastructure like smart classrooms, updated laboratories, library with reading room. As per the change in the syllabus, institution continuously upgrades infrastructural facilities.

Classrooms: are well ventilated with natural air and are having abundant sunlight along with LCD Projectors, Smart Boards.

Laboratories: are updated time to time with the latest equipment. Timely purchase, Maintenance and repairs is carried out and write off is also done for irreparable equipment. All the labs are having proper lighting and ventilation. The performance of equipment is monitored on a regular basis and the stock verification committee takes care of verification of

instruments, its record in dead stock register and right-off of the equipment before the commencement of each semester of an academic year.

Computer laboratory: Sufficient number of computers with latest configuration along with printers, scanners and photocopiers

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

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. Diwali Magazine, 'Mandiyalee' is also published annually wherein articles, poems, sketches etc. by students are included. Annual cultural festival, 'Ensemble" is celebrated with great enthusiasm. This annual fest provides platform for students to exhibit their skills such as singing , acting. 'C Major' is the club of music and poetry runs different music events such as singing competitions etc.

Sports activities (indoor and outdoor): A well-equipped gymnasium, yoga centre is available in campus . The Institution has adequate facilities for cultural activities, sports as well as for indoor, outdoor games and yoga centre. Seminar hall is used as a yoga centre. Area provided for Seminar Hall is 132 sq. m. Director of physical education looks after all sports activities in the college.

The institution has playground of 60 m x 50m for outdoor games. Basketball ground area is 25 m x 13 m. For indoor games 40 sq.m. and for gymnasium 30 sq.m space is provided

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

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

30

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)	View File

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)

262.78

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

The library management System : SLIM - 21, Version: 3.6 and Year of Automation: 2011

Nature of automation : Fully Automated with bar code technology,

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), 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.

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

The monthly usage report for e-resources is generated through the same software i.e., IEEEASPP usage report. Similarly, the J-Gate and DELNET also has a provision to generate usage report monthly.

A register is maintained at the library wherein students/ faculty sign at the time of entry and exit, too. This system ensures the security of books as well as the individual.

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

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)	View File

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)

29569.50

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

4.2.4 - 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

75

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

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

Institute has updated configuration and LAN connected 808 computers.

WiFi facility is also available at college and hostel premises.

All computers are connected to a broadband internet connection having speed more than 500 MBPS.

A separate, dedicated 'Thin Client lab' with 60 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.

A central server room is maintained to look after connectivity of all computers and cyber security related issues.

For safety and security of data, a licensed UTM having facility of firewall, web content filtering, gateway antivirus, VPN, bandwidth shaping and VLAN routing is available with institute.

Institute is having a Face recognition machine for taking Attendance of faculty and staff members.

Enterprise Resource Planning (ERP) based admission management module used by institute for the student database.

Today's students have risen up communicating and sharing experiences on social media sites like Facebook & Instagram. Using the power of different networks and engaging content, institutes are using social media to attract students, interact with current students and stay connected with alumni. Two main platforms available to communicate with students are Facebook, LinkedIn.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.youtube.com/channel/UC4ZIkZoKmyoKDNypTSM-Egw , https://in.linkedin.com/company/mmcoe , https://twitter.com/mmcoel , https://www.facebook.com/MMCOE-PUNE-319413014914643/ , https://www.instagram.com/mmcoepune

4.3.2 - Number of Computers

808

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	No File Uploaded

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	View File

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)

199.32

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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.

Laboratory : Lab in charge takes care of the respective lab . A proper budget is proposed every year by the respective lab. Budget is for repairs, maintenance, consumable items and new purchases etc. New purchases as per the changing syllabus and trends in technology and write off of the irreparable & damaged equipment is regularly done after each semester. A proper

record of maintenance activities and consumables purchased are entered in the respective dead stock registers.

.Library: Book racks are thoroughly cleaned once in a week. Old books are taken for rebinding once a year. The renewals of subscriptions of various e-journals and magazines is also done yearly. The equipment in library such as Photocopy machine, scanners, I-Card printing machine are regularly checked as per scheduled maintenance. The stock verification is done as a part of regular maintenance

Sports complex: The playground is cleaned and maintained regularly.

Computers : Before commencement of the semester, all the computers checked. The photocopy machine, computers, printers, scanners are given for maintenance from time to time. As per the latest configuration, new versions of software are purchased.

Classrooms : Classroom cleaning is assigned to external agency with an annual contract.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students 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

1614

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
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)	View File

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

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

49

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

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	https://www.mmcoe.edu.in/index.php/electrical-engineering/electrical-engineering/co-curricular-activities/technical-events
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

1286

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

1286

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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	View File
Upload any additional information	No File Uploaded
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

425

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

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

40

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

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

53

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

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.

25

File Description	Documents
e-copies of award letters and certificates	View File
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)	View File

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 organises 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-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	https://www.mmcoe.edu.in/index.php/students-corner/co-curricular-events/student-club
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

29

File Description	Documents
Report of the event	View File
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)	View File

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 programme for students from the weaker sections.

The Alumni Association is awarding scholarships worth Rs.5000 to ten students from various branches. One of the alumni from Electronics and Telecommunication Engineering is distributing Rs. 10,000 to needy students from the same department.

File Description	Documents
Paste link for additional information	https://www.mmcoe.edu.in/index.php/alumni-1/alumni-association
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	View File

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.

Quality education and excellence is maintained in all the aspects including academics and administration that helps students for overall growth. Faculty members actively participate in various institutional committees and professional bodies and contribute in decision making to achieve goals set as per the perspective plan. Faculty members show leadership qualities and contribute for smooth execution of all the academic and administrative activities.

Case study :

Alumni association committee functions for maintaining healthy and active contacts with alumni members. Faculty members organize various activities with the help of alumni members at department or institutional level .Alumni meet is organized every year to interact with alumni members and to receive valuable feedback for institutional growth and benefit. Faculty members try to identify industry academia gaps and arrange guest lectures/workshops/ technical events /guidance sessions with the help of alumni as industry experts.

File Description	Documents
Paste link for additional information	https://mmcoe.edu.in/index.php/about-us/vision-and-mission , https://mmcoe.edu.in/index.php/alumni-1/alumni-association
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 has well defined policies 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 in the incharge of IQAC and provides guidelines for maintaining quality in all aspects. Deans for Academics, Research and Development ,Student affairs and Administration heads various committees under them. Faculty

members get involved and contribute for the various activities.

Case Study:

Institution takes efforts to provide quality education and to make students globally competent. Academic monitoring committee works under the guidance of Dean Academics that involves representation of faculty members from all the departments. Academic monitoring committee provides guidelines through academic planner and calendar for conduction of academic activities throughout the semester. Preparation for academics is done well in advance by faculty members.

Academic audit conduction is regular practice for ensuring quality and well preparedness for smooth conduction of outcome based academics.

File Description	Documents
Paste link for additional information	https://www.mmcoe.edu.in/index.php/igac/igac , https://www.mmcoe.edu.in/index.php/academics/preamble-of-academics-at-mmcoe
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

MMCOE has a Center for Invention, Innovation and Incubation established by Marathwada Mitra Mandal, Pune in collaboration with Tata Technologies Ltd. (TTL) and Science & Technology Park (STP), Pune. The center received funds of Rs. 01 Crore from Startup India Seed Fund Scheme. Under NIDHI Prayas one Startup (Alumni of MMCOE) received funding of Rs. 10 Lakh for their innovative 'E-Wheelchair' product. Faculties of MMCOE and My Research Room Startup together received a grant of Rs. 10 Lakh under CSR Project (ATA FREIGHT LINE INDIA PVT. LTD.) for 'IoT Based Solar Dryer'. Various training programs are conducted for faculties and students. Trained students got placement opportunities after completing the training. Students got internships from various startup companies. Students worked on sponsored projects under the center. Various events are organized such as industry meet, startup exhibition, IPR session and expert talks.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the 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 functional committees that work under the guidance of Deans. Honorable management provides support and participates actively through committees like Board of Governance (BOG) Local Management Committee(LMC), and Campus Coordination Committee(CCC), Campus Development Committee(CDC). Management has given due authority to the principal for decision making in day to day activities conducted at the institution.Academic and administrative departments are led by Principal,Deans and HODs. Principal is the chairperson of IQAC and guides all members for overall quality improvement. Functional committees consisting of staff members are categorized under Administration, Academic, Student affairs and R&D which are headed by respective Deans. The heads and faculty members of these committees take care of curricular, co-curricular and extra-curricular aspects. 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	Nil
Link to Organogram of the institution webpage	https://www.mmcoe.edu.in/images/IOAC/Institutional%20organogram%2021-22.jpg
Upload any additional information	No File Uploaded

6.2.3 - Implementation of e-governance in areas of operation Administration Finance

A. All of the above

and Accounts Student Admission and Support Examination

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user inter faces	View File
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

Institution offers welfare schemes for the benefits of the employees .

Following 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)
- Advance payment to staff member to meet their emergencies
- Birthday celebration of staff members at department level
- Gymnasium facility, Yoga sessions and motivational talks
- COVID Kawach policy during COVID-19 pandemic period
- Technical training sessions through MMCIII and other industry institution interactions
- Group accident guard policy

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
- Loan facility up to Rs. 5,50,000/- within a day.
- In medical emergency cases or for higher education of children , loan of Rs. 75,000/- without interest is made available within a couple of hours.
- For laptop purchase, loan up to Rs 27,000/- without interest
- Co-operative society works positively for the welfare of the employees and their family members.

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

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

08

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

6.3.3 - Number of professional development /administrative training 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

44

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	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

167

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

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

Appraisal system for teaching staff

The institution has adopted a performance-based appraisal system for teaching staff based on Revised 360° feedback and appraisal system of AICTE dated 1st March, 2019 known as PBAS. Main components of the appraisal system for overall 100 points is divided further into seven components as given under:

- ? Teaching Learning process - 25 points
- ? Students' Feedback - 25 points
- ? Departmental activities - 20 points
- ? Institute level activities -10 points
- ? Professional Development- 5 points
- ? Contribution to society - 5 points
- ? ACR (Annual Confidential Report) - 10 points

Appraisal system for non-teaching staff

- ? Students' Feedback -15 points
- ? Departmental activities - 25 points
- ? Feedback by Lab Incharge -10 points

? Feedback by the Subject teacher for assigned lab - 10 points

? Institute level activities -25 points

? Contribution to society - 5 points

? ACR (Annual Confidential Report) - 10 points

Submission of Self Appraisal form

? Staff members are made aware of appraisal, they submit self-appraisal form as per the guidelines

- Assessment is done by respective Heads with further verification by Principal and counseling is done for improvement if the score is below 60.

File Description	Documents
Paste link for additional information	Nil
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 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 equipments, consumables, furniture and fixtures, research and development ,general / miscellaneous / any other items
- Audit conduction helps to verify and certify the entire income and expenditure of the institution each year
- The Accounting and Auditing Committee 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.

File Description	Documents
Paste link for additional information	Nil
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)

0.1

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

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 are schemes and grants received from university, government and non-government organizations. These can be utilized for purchases of academic and administrative activities.

Procedure for utilization of financial resources effectively:

- Institution has a well-defined budgeting system which includes regular expenses like staff payments and benefits, academic expenses, maintenance and expenses on other facilities like audit fees, library, hostel,

canteen, sports, gym.

- Departmental annual budget is formulated as per revised syllabus requirements, planned co-curricular activities, research work etc. 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
- There is a systematic mechanism for release of payments for day to day expenses like payment for consumables, various bodies and salary
- Provision is also made for emergency expenditure as per the requirement

File Description	Documents
Paste link for additional information	Nil
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

Best Practice I: Professional Skills exposure to students

Institution organized University sponsored workshops on emerging technologies for faculty members and students. Students publish ideas in National/International Conferences/Journals. Expert lectures are conducted for students by Industry Professionals. Faculty members and students are active members of professional bodies like ACM, IEEE, CSI, ISTE, SAEINDIA, GDSC etc. Various student

associations are formed at department level. Technical/Non - technical events are organized under the leadership of student coordinators of each student association to improve the professional and technical skills of students to enhance their employability.

Best Practice II: Industry Institution Interaction

Institution is member of reputed Industry professional bodies like MCCIA, CII etc. Make It Happen Center for Invention, Innovation and Incubation (MCIII) is established in collaboration with Tata Technologies Ltd. and Science and Technology Park. The main motto behind this is enabling domain exploration through working principles, application and hands-on experience to make students deployable. It facilitates training, manufacturing, R&D activities and incubation centers. The Industrial liaison program is aimed at developing meaningful relationships with industries and strengthening relationships between Institution and Industry. Various activities are conducted including FDPs, SDPs, Curriculum Review, and International Linkages, MoUs and partnership with various Industries and consultancy.

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

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

Teaching-learning process: During pandemic , the teaching-learning paradigm is shifted to online mode. Online sessions were conducted using various platforms .Video recordings are made available to the students. Course material is uploaded on Google classroom and Google drive for quick reference. Unit tests, Prelim

examinations and elective subject's end-semester examinations are held on Online platform (moodle). Students' feedback is collected in the form of ICT tool survey, course end survey, etc via Google form. Student performance valuation is carried through assignments, quizzes, case studies using ICT tools.

Honors course is introduced for TE/BE students IQAC regularly checks the quality of the teaching-learning process. Internal audit is conducted to benchmark the teaching-learning process. Experts' suggestions are incorporated.

Incremental Improvements through IQAC: IQAC regularly conducts internal meetings. Review of academic and administrative activities are taken on weekly basis. Research center of computer engineering department has done 2 MoUs in DS and IoT domain. Training program are conducted in incubation center under "Make It Happen Center for Invention, Innovation and Incubation. Student placement for A. Y. 2021-22 is improved. Every department defined development plan and executed various activities. IQAC has conducted development programs for support staff - Research proposal Preparation: Challenges and Opportunities.

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

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. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.mmcoe.edu.in/images/NAAC/Annual%20Report_14%20March%202022_short%20version.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

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	https://drive.google.com/file/d/1qbpL5gpycZIjKihXYM6X4r44z01wovRO/view?usp=share_link
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	https://docs.google.com/document/d/1KDGz3nSZ7wkR_B-UPGjRzfi9P0l2QYc6/edit?usp=share_link&ouid=114660876184229862935&rtpof=true&sd=true

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

C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 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	No File Uploaded
Geo tagged photographs of the facilities	View File

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

D. Any 1 of the above

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

7.1.5 - Green campus initiatives include

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

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

B. Any 3 of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

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

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

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

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

B. Any 3 of the above

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

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

The NSS, NCC, Wagyajna Abhivyakti Gat, Extra Curricular Committee (ECA) 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. Rashtriya Ekta Diwas (pledge is taken by staff and students on National Integration Day) every year. 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)	View File
Any other relevant information	No File Uploaded

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

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, Virtual Wari, Shiv 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. This 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 first year students.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://docs.google.com/document/d/1M_gpY5oBn35YKeJkvRZbcQAETwpVXTOF/edit?usp=share_link&oid=114660876184229862935&rtpof=true&sd=true
Any other relevant information	Nil

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

4. Annual awareness programmes on Code of Conduct are organized

B. Any 3 of the above

File Description	Documents
Code of ethics policy document	View File
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	View File
Any other relevant information	No File Uploaded

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:

- Babasaheb Ambedkar Jayanti
- Diwali
- Ganesh Festival
- Independence Day
- International Women's Day
- International Yoga day
- Kargil Vijay Divas
- Marathi Bhasha Gaurav Din
- National Youth Day
- Republic Day
- Shiv Jayanti

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

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 of the Practice - Professional Skills exposure to students

2. Objectives

To enhance professional skills to improve their employability and organize training programs to motivate higher education and Entrepreneurship.

3. The Context

Students need to be updated about Industry demands and new technologies. The institute provides a platform to participate in various national and international events to meet the above demand.

4. The Practice

- Participating/organising various technical events, Workshops, FDPs, Paper presentations, Guest/Expert lectures, add-on courses/certification courses and visits by Institute.
- Faculty members and students are active members of professional bodies like ACM, IEEE, CSI, ISTE, SAEINDIA, ISHRAE, ASHRAE, IEI, QCFI, IAENG, ISRD, etc.

5. Evidence of success

- MMCOE teams secured AIR 1st, AIR 8th, AIR 18th, Best

Paper Award, "Best Aesthetic" award in Efficycle 2021, FORMULA BHARAT 2022, BAJA SAEINDIA 2022, IEEE Conference, and National ROBOCON respectively.

- MMCOE signed Various MOUs, received various sponsored projects and arranged guest/expert lectures and Industrial visits.

6. Problems Encountered and Resources required

- To maintain a balance between curricular and co-curricular activities.
- Some students are from vernacular backgrounds and have poor English communication skills, which need to be improved.

File Description	Documents
Best practices in the Institutional website	https://mmcoe.edu.in/images/7.2-Best_practices_21-22.pdf
Any other relevant information	Nil

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 a Section 8 non-profit company registered under MCA with 80G and 12A certifications. It is located and functions at 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 set up new enterprises successfully. The center is equipped with all start-up related facilities and services to enable entrepreneurs to fulfill their objectives.

Along with FMCI, the institute motivates and financially supports students to participate in various national and international competitions like SAEINDIA BAJA, ROBOCON, SUPRA, Efficycle, Aeromodelling etc. Consistent participation and evidence of success prove the distinctiveness of the institute across the globe. In AY 2021-22 financial support by the college was Rs 33,22,210/-

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Following activities are planned for the academic year 2022-23

1. Planning of NAAC accreditation for the second cycle
2. International Conference at the institute level
3. Preparation of NBA accreditation for all departments
4. Participation in NIRF ranking
5. Increase the number of PhDs, PhD guides and cadre ratio in each department
6. Collaboration with national Institute of repute
7. Increase interdisciplinary projects
8. Increase research papers in SCOPUS/ SCI/ UGC indexed journals every year
9. Increase number of patents, copy rights, research funding, sponsored projects, internships
10. To strengthen the alumni connect
11. Establishment of career guidance club for opportunities in Government and private sectors
12. Increase participation in co-curricular, extra-curricular activities at national and international level
13. Motivate faculties to attend professional development programs/faculty development programs (Minimum one week)
14. Motivate faculties towards E-content development
15. To explore activities under Make It Happen-Invention, Innovation and Incubation Center (MMCI)

16. Skill development programs for students
17. Student certifications
18. Techno-Social activities

NAAC