



## YEARLY STATUS REPORT - 2020-2021

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	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.	7720097780 660
• Mobile no	9422884443
• 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
<b>2.Institutional status</b>	
• Affiliated /Constituent	Permanently Affiliated
• Type of Institution	Co-education
• Location	Urban

• Financial Status	<b>Self-financing</b>				
• Name of the Affiliating University	<b>Savitribai Phule Pune University, Pune</b>				
• Name of the IQAC Coordinator	<b>Dr. Ms. Aarti A. Agarkar</b>				
• Phone No.	<b>7720097780 651</b>				
• Alternate phone No.	<b>8669034375</b>				
• Mobile	<b>9822903916</b>				
• IQAC e-mail address	<b>iqac@mmcoe.edu.in</b>				
• Alternate Email address	<b>aartiagarkar@mmcoe.edu.in</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://www.mmcoe.edu.in/images/AQAR_Submitted-NAAC-Portal-19052021-Final.pdf">https://www.mmcoe.edu.in/images/AQAR_Submitted-NAAC-Portal-19052021-Final.pdf</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://www.mmcoe.edu.in/index.php/academics/academic-planner">https://www.mmcoe.edu.in/index.php/academics/academic-planner</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A</b>	<b>3.09</b>	<b>2017</b>	<b>30/10/2017</b>	<b>29/10/2022</b>
<b>6.Date of Establishment of IQAC</b>			<b>04/01/2016</b>		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Mechanical Engineering- Dr. V.W. Bhatkar	Under graduate Equipment Grant	ASHRAE	2020-2021 (01 Year)	Rs.355621
Computer Engineering-Ms. Pradnya Samit Mehta	Aspire research grant	BCUD, SPPU, Pune	2019-2021(02 Year)	Rs. 100000
Information Technology- Ms. Shiktal Kakad, Dr. V. S. Bidave	Aspire research grant	BCUD, SPPU, Pune	2019-2021(02 Year)	Rs.220000

<b>8. Whether composition of IQAC as per latest NAAC guidelines</b>	<b>Yes</b>		
<ul style="list-style-type: none"> <li>Upload latest notification of formation of IQAC</li> </ul>	<a href="#">View File</a>		
<b>9.No. of IQAC meetings held during the year</b>	<b>02</b>		
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	<b>Yes</b>		
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded		
<b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>No</b>		
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>			

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

Session on, "Strategic Approach for Research and Development" by Dr. Shripad Bhatlawande, Head of E & TC department, VIT, Pune was

organized for faculty of Marathwada Mitra Mandal's College of Engineering on 22/07/2020.

Session on, "IPR: Problem Identification and proposal Writing" by Adv. Swapnil Gawande, Director BLI Consultancy Pvt. Ltd. Amravati was arranged for faculty of Marathwada Mitra Mandal's College of Engineering on 12/08/2020.

Session on, "Life beyond 2020- The Covid 19 Era" by Dr. Rajani Indulkar, Chairperson , QCFI Pune Chapter was arranged for faculty and students of Marathwada Mitra Mandal's College of Engineering on 16/09/2020.

Session on, "5S System" by Mr. Satish Kalokhe, President, QCFI Pune Chapter was organized for faculty of Marathwada Mitra Mandal's College of Engineering on 16/09/2020.

Session on, "NBA: Outcome-Based Education and CO, PO & PSO attainment" by Dr. Avinash Kharat, Founder Director, Lata Ganesh Learning Academy on 05/12/2020.

**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
Research Center for Computer Engineering Department	Research Center for Computer Engineering is approved by Savitribai Phule Pune University, Pune
NBA Preparation for Computer Engineering and E&TC Departments	Started documentation of NBA and progressive internal assessment is done.
Use of ICT tools for teaching learning process	Extensive use of Google Classroom, Google Drive, Google Meet for documentation and conduction of the lectures. Sharing knowledge via YouTube channels
External audit	External audit conducted on 28 to 30 Dec.2020 by Professors of IIT, NIT and COEP
Enhancing Industry Institute Interaction	Number of MOUs: 45. Expert sessions are conducted for teachers and students by industry resource persons.
Steps for defining result improvement	MCQ based practice tests conducted through online mode (Moodle) Review and Discussion on the topics which are part of the test. Counseling for identified weak students about difficulties encountered in examination.
Improving student placements	Student placement for A. Y. 2020-21: 345
BE Honors course (Computer, IT, E&TC and Mechanical)	To improve the employability skills of students, the BE Honors course is introduced for students of Computer, IT and E&TC and Mechanical Departments.
13.Whether the AQAR was placed before statutory body?	Yes

- Name of the statutory body

Name	Date of meeting(s)
College Development Committee	25/03/2022

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

Year	Date of Submission
2020-2021	24/03/2022

### Extended Profile

#### 1. Programme

1.1	309
Number of courses offered by the institution across all programs during the year	

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

#### 2. Student

2.1	2674
Number of students during the year	

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

2.2	1043
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

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

2.3	749
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1 Number of full time teachers during the year	172
File Description	Documents
Data Template	<a href="#">View File</a>
3.2 Number of sanctioned posts during the year	142
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1 Total number of Classrooms and Seminar halls	30
4.2 Total expenditure excluding salary during the year (INR in lakhs)	37685360.80
4.3 Total number of computers on campus for academic purposes	590
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	
<b>1.1 - Curricular Planning and Implementation</b>	
1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process	
As the institution is affiliated to Savitribai Phule Pune University, the institution prepares the academic calendar for commencement and conclusion of the term for UG and PG programs referring to university 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 powerpoint presentations, handwritten notes, lab manual, additional material other than 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, practicals and tutorials through daily attendance. NPTEL videos, online courses and webinars are organized by the institution or in collaboration with industries for effective curriculum delivery. A teacher guardian is assigned to a group of 25 students. They regularly take feedback from students and counsel them along with their parents.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
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 prepares the academic planner by referring to the university calendar mentioning unit tests after completion of a unit. Every course coordinator prepares a detailed question bank for all six units 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. Moodle platform is used for conducting the online examinations for unit tests as well as university in-semester examinations where objective and descriptive questions are shuffled to avoid malpractices. The conduction of offline examinations for in-semester and end-semester was not feasible due to COVID-19 pandemic situation. Institution conducted mock online tests successfully with the help Moodle platform prior to university examination as a practice session for the first online examination by the affiliating university. 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 implemented for not adhering to the academic policy.



File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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**

5

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

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

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

21

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

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

1299

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

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

Institution has an active NSS cell through which many activities are conducted such as tree plantation, camp to nearby village where college students share their technical knowledge, for example basic computer knowledge. Different departments are having student collegiate clubs, they conduct social programs. ISHRAE student chapter has organized drawing competitions at MM Vidyamandir Kalewadi, Yoga training at Yashwant Vidyalaya, Khadakwasla and art competition about the environmental awareness for all the students online sponsored by ISHRAE Pune Chapter. NSS organizes "Shivaji Jayanti" every year. Students from all the branches took active part in the celebration. Every year 'Ganesh Utsav' is celebrated by NSS and all departmental students for seven days. NSS cell of MMCOE is organizing 'Grocery Donation Program' in remembrance of late Shri Vilasraoji Deshmukh where faculty and students from all the departments donate groceries to 'Mamta Foundation' and 'Sumit Balvan Foundation'. HIV AIDS awareness program is organized every year on

1st Dec for all the staff members and students. Many programs are organized online due to covid situation. NSS committee has organized an expert talk on 'Gender Equality' by Ms. Sanjana Vaidya, Associate VP and COE Head HR Talent processes.

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

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

13

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	<a href="#">View File</a>

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

1672

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

<b>1.4 - Feedback System</b>	
<b>1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni</b>	<b>B. Any 3 of the above</b>
<b>File Description</b>	<b>Documents</b>
URL for stakeholder feedback report	<a href="https://drive.google.com/file/d/1zWlOJxHeo2YCxNxjkP7T49P2NJTmo77C/view">https://drive.google.com/file/d/1zWlOJxHeo2YCxNxjkP7T49P2NJTmo77C/view</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>A. Feedback collected, analyzed and action taken and feedback available on website</b>
<b>File Description</b>	<b>Documents</b>
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="https://drive.google.com/file/d/1zWlOJxHeo2YCxNxjkP7T49P2NJTmo77C/view">https://drive.google.com/file/d/1zWlOJxHeo2YCxNxjkP7T49P2NJTmo77C/view</a>
<b>TEACHING-LEARNING AND EVALUATION</b>	
<b>2.1 - Student Enrollment and Profile</b>	
<b>2.1.1 - Enrolment Number Number of students admitted during the year</b>	
<b>2.1.1.1 - Number of students admitted during the year</b>	
<b>691</b>	
<b>File Description</b>	<b>Documents</b>
Any additional information	<b>No File Uploaded</b>
Institutional data in prescribed format	<a href="#">View File</a>

**2.1.2 - Number of seats filled against 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**

173

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

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

### Efforts taken for weak students:

Weak students are identified and efforts are taken for their improvement. Following is the process

- Students are counseled to identify reasons for their performance. Action will be decided upon the reasons. E.g. If lack of confidence is there then students are recommended counseling sessions. A full time counselor is appointed by the Institution.
- 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.
- Extra lectures, extra assignments, university question paper solving are the actions taken to improve student performance. Remedial lectures are taken for the failed students.

### Encouragement for bright students:

- Bright students are motivated to participate in Robocon, BAJA, SUPRA, Efficycle etc.
- Online courses, training, and internships are recommended for them.
- Bright students are motivated to participate in various technical events, project competitions, paper publications, hackathons etc.
- Toppers of university examinations are felicitated.
- The book bank facility is provided to the topper student.
- Alumni association of the Institute provides scholarships of Rs. 10,000/- to bright students.
- The best outgoing student receives award of Rs. 1000/-

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
2674	172

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 : various activities are conducted

such as Workshops, seminars,

- presentations, training sessions, webinars, BAJA, ROBOCON, Efficycle etc.
- Enrollment in online courses : Students gain additional knowledge through spoken tutorials, NPTEL, coursera, Udemy etc.
- Extra curricular activities : Regular conduction of Indoor sports events such as carrom, chess, etc and outdoor events such as cricket, basket ball etc.
- Experiential learning is also gained through BE projects, Seminars, Internships taken up during the academic year.
- 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 such as Google Developers Club, IT Tech club, Zenith astronomy club, Rotaract club, Wagyajna AbhiviyaktiGat conduct several events 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 long term learning. Every department uses ICT teaching learning processes to support, enhance,

and optimize the delivery of education.

1. Vlabs: Our Institution is recognized as a nodal center for Vlabs developed by IIT Bombay. Our students can get access to the subject contents

2. Google Drive: Every course coordinator shares study material for respective subjects on Google Drive.

3. Industry Expert lecture: Every course coordinator finds such an industry expert for conducting these lectures for bridging the gap between Industry needs and Curriculum

5. ICT Tools: Our Institution emphasizes on usage of ICT tools apart from regular lecture conduction methodology. It includes Google Classroom, digital writing pads, LCD Projector.

6. Moodle: This Application software is used for conducting online and mock online exams based on multiple choice questions for all students.

7. Spoken Tutorial: Our Institution is a member of this initiative taken by IIT. Students enroll in these courses and after successful completion of these exams students are awarded with certificates.

8. Content Beyond Syllabus: Every course coordinator plans certain contents under 'Content Beyond Syllabus' which has its importance in real world or industry application.

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

### 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

172



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

## 2.4 - Teacher Profile and Quality

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

172

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

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

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

23

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)	<a href="#">View File</a>

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

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

4.92

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

## 2.5 - Evaluation Process and Reforms

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

The academic Monitoring committee(AMC) under the Dean of academics prepares academic policy which clearly defines and conducts an effective internal evaluation process. Institution Examination Committee(IEC) prepares policy for Unit test preparation, conduction, and evaluation. Transparency in internal assessment is ensured by communicating with students well in time. AMC & IEC conducts meetings of the faculties and directs them for effective implementation of the evaluation process

- Continuous evaluation is made through Unit Test conduction at the end of each unit. The Subject teacher communicates the pattern of the paper in advance. Unit tests are evaluated by the respective subject teacher and scores are shared to the students. Personal guidance is given to the low-performing students after their assessment. Unit test is conducted on Moodle/Google platform
- Continuous evaluation of students is made for each theory and practical course at the department level.
- Evaluation is also done through Mock Practical/Oral exams. Platform - Google Meet
- Internal assessment is done by assignments submission for three units of each course and assessment marks are communicated to students. Platform- Google Drive/Google Classroom
- Termwork evaluation is based on Continuous Assessment System(CAS). CAS marks are based on timely submission of practical assignments, overall attendance, and understanding .

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, assignments, mock practical/oral exams as part of internal assessment of students.

The assessed internal test papers are shown to the students for self-assessment and marks are revealed 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.

Faculty evaluates theory assignments based on the rubric which is shared with the students. The rubric consists of criteria- timely submission, clarity, neatness, etc. The evaluated assignments are given back to students thus maintaining the transparency of the marks assigned and to resolve grievances if any.

Lab experiments performance of the student evaluated by the faculty and the performance marks are assigned based on the lab rubric designed by the AMC. The lab submissions are taken through google classroom and lab evaluation is conducted through Google Meet and the marks are given by the faculty to the students immediately.

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

Project/Seminar evaluation is conducted in front of the panel (group of faculties). The rubrics are designed and shared with the students.

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 :

- Institutional websites are available where information related to academics is available .
- Through regular meetings of Module coordinator, HoD, Course coordinator, Course outcomes are discussed and finalized for effective implementation.
- Teachers communicate 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 printed in: College website , Syllabus Copy Laboratory Manuals, course file , Handouts to Students

Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in

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

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.

- Internal (Unit Tests, Assignments)
- External (Theory Exam, OR/PR/TW Exam)

2. Indirect Assessment Method

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

Attainment of Course Outcomes of all courses with respect to set attainment levels

The CO-PO mapping and CO attainment is considered as a reference for PO attainment as a part of a direct tool

1. Programs have set Course Outcome attainment levels considering passing levels in the University Examination
2. Student performance in internal and University examination with respect to CO is considered for attainment.
3. Target is set for the assessment years.

Measuring Course Outcomes attained through University Examinations

- Attainment is measured in terms of the actual percentage of students getting a set percentage of marks. If targets are achieved then all the course outcomes are attained for that year.

Institute has set higher targets for the following years as a part of continuous improvement. If targets are not achieved for a few courses, they are made to propose an action plan 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

741

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	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/1zWlOJxHeo2YCxNxjKp7T49P2NJTmo77C/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)

675621

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

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

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

02

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

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

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

03

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	<a href="https://www.ashrae.org/communities/student-zone/scholarships-and-grants/2020-21-undergraduate-program-equipment-grants">https://www.ashrae.org/communities/student-zone/scholarships-and-grants/2020-21-undergraduate-program-equipment-grants</a> , <a href="https://bcud.unipune.ac.in/files/sanshodhan/Sanshodhan.html">https://bcud.unipune.ac.in/files/sanshodhan/Sanshodhan.html</a> , <a href="https://bcud.unipune.ac.in/Template_Aspire/">https://bcud.unipune.ac.in/Template_Aspire/</a>

### 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. The College has associated with MAKEIT HAPPEN- Center for Invention Innovation Incubation (MCIII) Joint Collaboration of Tata Technologies, Science and Technology Park and Marathwada Mitra Mandal, Pune at MMCOE campus for promoting innovation & entrepreneurship activities. MCIII has initiated various activities like incubation support, startup 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. Each department has Center of Excellences in collaboration with industries to enhance the faculty interaction to develop research ideas and also encourage students for their projects and ideas.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.mciiii.in">https://www.mciiii.in</a> , <a href="https://www.mmcoe.edu.in/index.php/faculty/centre-of-excellence">https://www.mmcoe.edu.in/index.php/faculty/centre-of-excellence</a>

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

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

37

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

3.3 - Research Publications and Awards

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



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

2

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year****3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year**

71

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

**3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year****3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year**

14

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

**3.4 - Extension Activities**

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

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 condition, 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.

The active participation in all activities helps students in overall holistic development. It helps students in developing leadership qualities, ideal of social services, develop a passion and brotherhood towards community and build community relationship. It also helps in cultivating the hidden personality of students and creating awareness among students. It aids students to develop social, analytical, personal, manageable, leadership skills.

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

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

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

0

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

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

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

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

1321

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

**3.5 - Collaboration**

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

216

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

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

26

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

**INFRASTRUCTURE AND LEARNING RESOURCES****4.1 - Physical Facilities**

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

The Institution follows all the norms specified by AICTE, New Delhi and Savitribai Phule Pune University (SPPU) to provide the infrastructure to facilitate effective teaching and learning to the students of all the streams. Institution always creates modern infrastructure resources beyond the norms of AICTE and SPPU for effective teaching and learning. The Institution is providing modern

infrastructure like classrooms, laboratories, library with reading room, hostel, 24 x 7 internet facilities for students and staff inside the campus. The Institution continuously upgrades infrastructural facilities according to change in the syllabus provided by the Savitribai Phule Pune University (SPPU).

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.

The Institution has adequate facilities for cultural activities, sports as well as for indoor ,outdoor games and yoga centre.

Separate space is provided for gymnasium. Seminar hall is used as a yoga centre.

Area provided for Seminar hall is 132 sq. m.

Co-curricular activities : Space provided for these activities is 186 sq. m

The Cultural activities:- Institution encourages students to participate in various curricular and extracurricular activities. All cultural activities are carried out in the seminar hall and space provided for these activities is 80 sq.m.

Sports : Director of physical education looks after all sports activities in the college.

The institution has provided enough space for outdoor games having playground of 60 m x 50m . This ground is utilized for various games such as cricket, football, volleyball, kabaddi etc. Basketball ground area is 25 m x 13 m

For indoor games 40 sq.m. and for gymnasium 30 sq.m space is provided

Since the establish of the college sports ground is avilable and within a span of 2 to 3 years gymnasium and yoga centre was established.

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)	<a href="#">View File</a>

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

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

376.8

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)	<a href="#">View File</a>

#### 4.2 - Library as a Learning Resource

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

The institution has Integrated Library Management System software "System for Library Information Management" (SLIM - 21, version

2.9.12) which is fully automated with bar code technology. The software is upgraded to the version 3.6 . The modules of software are as follows

? Acquisition

? Circulation

? Cataloging

? Serial

Also we can track the subscription period and renewal dates of the serial.

? Online Public Access Catalog tool: To explore library resources. Various search options available in OPAC are as follows.

1. General Search: Users can search the library resources using Title, Author, Publication, Keywords and Classification number.

2 . Advanced Search: The searching can be done with various combinations such as Title, Author, Publication, Keywords, Classification number.

3 . Accession Search: 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 .

? Name of ILMS software : SLIM - 21, version 2.9.12

? Nature of automation (fully or partially) : Fully Automated with bar code technology

? Version : version 3.6

? Year of Automation : 2011

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)	<a href="#">View File</a>

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

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

**6.84**

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

**4.2.4 - 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**

**77**



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

### 4.3 - IT Infrastructure

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

Institution has 590 computers on the campus.. All computers are in well maintained LAN connections. All computers have updated operating systems. In addition to regular use, computers used in laboratories.. We have a separate lab called Thin Client lab with sixty computers and a Thin Client server. Sufficient number of computers is allocated to all departments with necessary software and hardware configuration.

All computers are connected to a broadband internet connection having speed more than 50 MBPS. Wi-fi facility is also provided to all departments by installing access points.

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

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

#### 4.3.2 - Number of Computers

590

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

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

A. ? 50MBPS

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

#### 4.4 - Maintenance of Campus Infrastructure

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

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

21.50

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

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

##### Maintenance Policy Summary

The institution has well-established standardized methods and procedures for maintaining physical, academic, and support facilities, all of which are supervised by the faculty in charge.

They are responsible for many aspects of physical, academic, and support facility usage and maintenance, such as building maintenance, laboratories, classrooms, library, sports complex, computers. Stock verification and inspection is carried out by the departments at the end of the Academic Year.

The lab technicians verify that all equipment in all laboratory's functions properly every semester, and they do minor repairs, such as installing replacement parts, as needed.

The work done is then recoded. When a major repair is required, the purchase committee responds accordingly by placing an order with the right vendor.

To ready for any emergency, first aid kits are maintained in all laboratories and departments. Fire extinguishers with sufficient capacity and numbers and fire hydrants are located in prominent locations throughout the college buildings, particularly in all laboratories. Fire system is well-maintained and tested on a regular basis.

Equipment beyond repair is reported to the committee by the department heads. DSR records are updated by respective labs for equipment write-offs. Further approved by the HOD and the Principal.

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

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

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

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

1520

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

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

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

28

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

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

A. All of the above

File Description	Documents
Link to Institutional website	<a href="https://drive.google.com/file/d/1FL9pYF7TvJlVfpptide77_4jCMZji2P/view?usp=sharing">https://drive.google.com/file/d/1FL9pYF7TvJlVfpptide77_4jCMZji2P/view?usp=sharing</a>
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

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

256

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

2

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

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

**A. All of the above**

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

## **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**

**345**

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	<a href="#">View File</a>

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

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

21

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

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

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

7

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

## 5.3 - Student Participation and Activities

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

during the year

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

6

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

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

Student council is elected every year having representatives from every branch of the Institution. The student council strives for overall effective functioning of day-to-day activities. The Institution has student representatives on academic and administrative bodies concerning their interest. The students approach the student representatives in case of queries or problems related to hostel, mess, canteen, extracurricular activities, and sports etc. which, further, are reported to the faculty member by the representative.

Activities of student association:

ACES (Association of Computer Engineering Student) Activities:

Webinar Series on Project Management, CODE MODE - A competitive programming competition, Introduction to Learning Foreign Languages

MESA (Mechanical Engineering Students Association ) Activities

Virtual concert 2k21, MasterMind, Career orientation and Development (Seminar)

ITSA( Information Technology Students Association ) Activities:

Webinar on "Careers after Covid-19" , Teachers Day Celebration, Engineer's day Celebration, Webinar on "Google Crowdsourc",Workshop on Report Writing using LaTeX,"SYNERTECH 2.0" Coding Competition

Electrical Engineering Students Association (EESA) Activities

Aptitude Test, Poem and Shayari Competition, Chess Competition, Tech Intellect, Drama and Meme Making Competition, Call of Duty Game Competition,Show Your Talent Competition,Tech Spark Test, Debate Competition,Circuit Making Competition

Students Association BETA Activities

BETA Online Gaming Events, Introduction to proteus, Guidance session on `Interview

Process for BETA Core Committee, Instagram Page Creatio

File Description	Documents
Paste link for additional information	<a href="https://docs.google.com/document/d/1oV9-V70DPwEkhNsZxuxp1SA8R5tj-Stx/edit?usp=sharing&amp;ouid=114660876184229862935&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1oV9-V70DPwEkhNsZxuxp1SA8R5tj-Stx/edit?usp=sharing&amp;ouid=114660876184229862935&amp;rtpof=true&amp;sd=true</a>
Upload any additional information	<a href="#">View File</a>

**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**

27

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



## 5.4 - Alumni Engagement

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

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

### Vision

Alumni Association serves as a link to a symbiotic relationship between Institution and former graduates.

### Mission

- Establishing and strengthening a long term relationship with our Alumni, engaging Alumni in the Continuing branding of the Institute.
- Connecting existing alumni with the Institute & bridge the gap of communication between alumni and Existing students.
- Developing students with global competence via alumni connect.

### Scope:

The association will strive to establish a bond between the institute and alumni so that alumni will participate in the activities of college and use their expertise and skills for betterment of present students.

### Objectives:

1. To maintain database of past students
2. To arrange Annual General Meeting every year
3. To arrange governing body meeting whenever necessary
4. To arrange felicitation of alumni conducting activities for the institute in AGM
5. To arrange technical seminars and lectures of alumni to use their expertise and skills

for betterment of present students and development of the institute

#### Outcomes of Activities on Student Growth & development

1. Understand usage of modern tools and be motivated to learn new technologies.
2. Able to solve real time/social problems by applying and analysing engineering knowledge.
3. Observe professional ethics and effective ways of communication and interaction.
4. Understand and design complex engineering problems using modern tools.
5. Improvement in technical skills of students.
6. Upgrade students with the latest trends.

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

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

File Description	Documents
Paste link for additional information	<a href="https://docs.google.com/document/d/1GQAcXJnUZvhBCxK9vAIXVrW6BtBNUXpc/edit?usp=sharing&amp;ouid=114660876184229862935&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1GQAcXJnUZvhBCxK9vAIXVrW6BtBNUXpc/edit?usp=sharing&amp;ouid=114660876184229862935&amp;rtpof=true&amp;sd=true</a>
Upload any additional information	<a href="#">View File</a>

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

**C. 3 Lakhs - 4Lakhs**

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

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

institution

The vision of the institution is to aspire for the welfare of society through excellence in science and technology. The mission of the institution is to mould young students to meet challenges of globalization. The institution tries to orient faculty and students for excellence in research in all disciplines and commit for social progress. Teachers are playing an important role in providing quality education to the students . Faculty members being functional head/ coordinator/member of respective academic and administrative committees always focus on smooth execution of all the activities. The quality policy was framed in discussion with all stakeholders. The teachers are connected to the industries to update their knowledge and cope up the industry requirement in academics and incorporate it through various institutional committees and professional bodies. The Industry Institution Interaction committee is a committee wherein each and every teacher contributes for making industry ready students.

File Description	Documents
Paste link for additional information	<a href="https://www.mmcoe.edu.in/index.php/about-us/vision-and-mission">https://www.mmcoe.edu.in/index.php/about-us/vision-and-mission</a>
Upload any additional information	No File Uploaded

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

Effective leadership is visible in various institutional practices through decentralization of work and participative management. Decentralized governance system is followed in the institution through leadership of Management, Principal, Deans , HODs and faculty members at various levels with due power and authority. All the members are empowered with necessary freedom for smooth operational planning and implementation.

Purchase committee under the Dean Administration follows the same principle. As a first step purchase requirement is prepared with specifications and quotations called as per requirement. Submitted note is prepared by the lab incharge with guidelines given by the respective HOD. Department purchase committee members keep a track of sanction of submitted notes. Once sanction is received, three quotations are asked and a comparative statement is prepared. Then the negotiation process is completed with the involvement of department coordinator, Purchase incharge , HOD, Principal and

secretary. Preparation of purchase order, payment to vendor, receipt of material and finally quality checking is done by all involved members.

File Description	Documents
Paste link for additional information	<a href="https://drive.google.com/file/d/1N7TOVvGM0GgyZwDK_LlyIeTil_2tyOUD/view?usp=sharing">https://drive.google.com/file/d/1N7TOVvGM0GgyZwDK_LlyIeTil_2tyOUD/view?usp=sharing</a>
Upload any additional information	No File Uploaded

## 6.2 - Strategy Development and Deployment

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

The Institution has a perspective plan for development. Management is consistently supportive of improvements in infrastructure, quality, and student employability. Institution's Perspective plan is as follows:

- ISO 9001:2008 certification
- NBA Accreditation, ABET Accreditation
- Establishment of Research centre
- Setting up of the Incubation Centre for promoting entrepreneurship
- To get recognized as an autonomous Institution

Department of Computer Engineering , Marathwada Mitra Mandal's College of Engineering , Ph.D in Computer Engineering, research centre provides unique enquiry-based learning opportunities for students and to be actively engaged in relevant academic forums and community outreach. Research Centre approved in October 2020 by Savitribai Phule Pune University. The Research Centre supports the values, mission, strategic goals, and priorities of the university and reflects the University's commitment to excellence in publication, the integration of research and teaching, and the development of the MMCOE Research Centre.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	<a href="https://drive.google.com/file/d/1ZdkyT971kVnyG8unvHT3kPgwwvzQbC9vS/view?usp=sharing">https://drive.google.com/file/d/1ZdkyT971kVnyG8unvHT3kPgwwvzQbC9vS/view?usp=sharing</a>
Upload any additional information	No File Uploaded

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

The institution focuses on effective functioning with the help of governing body ,policies formed ,and various functional committees that works under the guidance of deans.Honorable management actively participate in smooth functioning of institution through committees like Board of Governance (BOG), Local Management Committee(LMC),Campus Coordination Committee(CCC)and Campus Development Committee(CDC). Management always supports the principal and has given him necessary decision making authority.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	<a href="https://www.mmcoe.edu.in/index.php/about-us/organogram">https://www.mmcoe.edu.in/index.php/about-us/organogram</a>
Upload any additional information	No File Uploaded

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

**A. All of the above**

**Examination**

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

**6.3 - Faculty Empowerment Strategies**

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

Following welfare schemes are available for teaching and non teaching staff:

- Contributory Provident Fund
- Medical leave and Earned Leave (applicable to eligible staff)
- Maternity leave (applicable to eligible staff)
- Appreciation on acquiring higher qualification
- Advance payment to staff member to meet their emergencies
- Birthday celebration of staff members at department level
- Gymnasium facility
- COVID Kawach policy during COVID-19 pandemic period
- Technical training sessions through MMCIII

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	<a href="https://www.mmcoe.edu.in/images/HR_Policy.pdf">https://www.mmcoe.edu.in/images/HR_Policy.pdf</a>
Upload any additional information	No File Uploaded

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

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

5

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development /administrative training 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

12

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)	<a href="#">View File</a>

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

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

193

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

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

The institution has adopted a performance based appraisal system based on Revised 360° feedback and appraisal system of AICTE dated 1st March, 2019 known as PBAS. Main components of appraisal system are divided into six components for overall 100 marks with



respective weightage as follows:

- Teaching Learning process with weightage of 25 marks
- Students' Feedback with weightage of 25 marks
- Departmental activities with weightage of 20 marks
- Institute level activities & Professional Development with weightage of 10 marks
- ACR (Annual Confidential Report) with weightage os 10 marks
- Contribution to society with weightage of 10 marks

Points related to submission of Self Appraisal form

- The faculty is made aware of the above mentioned points before appraisal
- At the end of the year, the faculty submits a self-appraisal form as per the schedule
- The self appraisal form is submitted by all faculties who have completed a minimum one semester at MMCOE
- Assessment is done by respective Heads with further verification by Principal as mentioned above

Faculty members are counseled 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 internal and external financial audit as a regular practice every year with well defined procedure with due permission and guidelines received by the management
- Institutional budget is prepared well in advance for the forthcoming financial year. This budget is allocated under different heads like lab equipments, consumables, furniture and fixtures, research and development ,general / miscellaneous / any other items
- Internal audit is an ongoing continuous process in addition to the external audit 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.

Institution carried out an internal audit for the year 2020-21 on 23/01/2021 and 24/06/2021 by internal auditor Munde Shah Co. An external audit is also carried out in every financial year. External audit was done on 27/01/2022 by Krishna Rawas and Associates.

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)**

0.2

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

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

The major source of income is tuition and development fees from the students and the other sources of funds are schemes, grants received from universities for purchases of sports equipment and conducting workshops-seminars & conferences etc.

Institution has following procedure for utilization of financial resources effectively:

- Institution has a well defined budgeting system which includes regular expenses like salary, maintenance and expenses on other facilities like library, hostel, canteen, sports, gym etc.
- 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
- 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

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 their ideas in National/International Conferences/Journals. Expert/Guest lectures are conducted for students by Industry Professionals. Faculty members and students are active members of professional bodies like ACM, IEEE, CSI, ISTE, SAEINDIA, 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 a 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 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	No File Uploaded

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

**Teaching-learning process:** During pandemic situations, the teaching-learning paradigm is shifted to online mode. Online sessions were conducted using various platforms such as Gmeet, zoom, etc. 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, etc using ICT tools. To improve the employability skills of students, the BE Honors course is introduced for Computer, IT and E&TC. IQAC regularly checks the quality of the teaching-learning process. Internal and External audits are executed by internal faculties and professors from IIT, NIT and COEP, respectively to benchmark the teaching-learning process. Experts' suggestions are incorporated.

**Incremental Improvements through IQAC:** To keep inline with the IQAC norms, IQAC regularly conducts internal meetings. Review of various academic and administrative activities are taken on a weekly basis. Research center activities of the computer engineering department are initiated. Electrical and Mechanical Departments are accredited by NBA. 19 startups are functioning in an incubation center under "Make It Happen Center for Invention, Innovation and Incubation. Student placement for A. Y. 2020-21 is improved and the count is 345. Every department defined the development plan and executed various activities. IQAC has conducted development programs for support staff such as Strategic Approach for Research and Development, IPR: Problem Identification and proposal Writing, Life beyond 2020- The Covid 19 Era, 5S System, Introduction and handling of various softwares and testing and measuring instruments used in laboratories, NBA: Outcome-Based Education and CO, PO & PSO attainment.

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

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

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

Gender sensitivity is an inherent value in the cultural ethos of the institute and its neighboring community, as is evident by the following facilities.

#### Safety and Security

- Well-trained and vigilant women security guards stationed across the campus.
- Extensive surveillance network with 24x7 monitored control rooms.

- The discipline Committee includes male and female faculty at institute level.
- Strict implementation of Anti - Ragging committee and Anti - Ragging Squad.
- Separate hostels for men and women with dedicated wardens.
- Grievance Redressal Committees for staff and students such as Internal complaints Committee and women's Grievance Redressal.

#### Counseling

- MMCOE, Pune, NSS Committee organized a expert lecture on the " Gender Equality "
- Dedicated counselor staff (Teacher Guardian) for all the students.
- Formal and informal avenues for counseling male and female students and staff for academic and other issues/problems.

#### Common Rooms:

- In most of the Departments, common rooms have been allocated for men and women, which also facilitate meetings and discussions.

#### Other Measures

- Enrolment of 68% women students and 56% women staff
- As part of NSS activities we take part in social events like Swachata abhiyaan, Grocery donation, free educational camps during NSS winter camp are organized fortnightly in neighboring villages.

File Description	Documents
Annual gender sensitization action plan	<a href="#">1 Guest Lecture on Gender Equity planned in the month of August 2020 for all students and Staff</a> <a href="#">2 FE Induction Program planned in the month of December 2020 for all FE students and Staff</a> <a href="#">3 Guest Lecture on HIV awareness planned in the month of December 2020 for all students and Staff</a> <a href="#">4 NSS camp planned in the month of January 2021 for all students and Staff</a> <a href="#">5 International Women's Day planned in the month of March 2021 for all girls and ladies staff</a> <a href="#">6 NSS social activities are conducted throughout the year for all students and Staff</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="#">The Safety and security facilities such as CCTV, guards, Common rooms, etc are provided for girl students and staff in college campus.</a>

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

**C. Any 2 of the above**

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

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

**Our Institute takes care of the waste generated in the campus by building the degradable and non-degradable waste plants in our college campus. The solid and Biological waste disposal plant is located next to the boys' hostel. The biological waste from the college canteen is dumped into the pit and converted into manure with the help of vermi-compost. It also has pits for disposing of**



sanitary napkins. The plant has a total capacity of 5kg (Kitchen waste 4 kg and sanitary 1 kg). 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.

E-waste collection bins are in use in the college since 2016. 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 bins are periodically emptied at Swachh office at Kothrud waste depot.

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

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

C. Any 2 of the above

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

**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	<a href="#">View File</a>
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**

D. Any 1 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	<a href="#">View File</a>

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

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	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 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. 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.

The NSS and NCC Unit of our college organizes different programs for an inclusive environment.

Our Moto (Yethe Bahutanche Hit) signifies our commitment towards the striving for betterment and welfare of society.

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)	No File Uploaded
Any other relevant information	<a href="#">View File</a>

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

MMCOE takes different initiatives by organizing 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. For example, on the occasion of Constitution day, NSS members have organized a Seminar and Exam of Olympiad on Human Rights, Indian Judiciary System and the constitution of India. This unit also celebrated 'Kargil Vijay Diwas' and successfully organized the Tree plantation week where a total 233 saplings were planted.

The Ganpati festival, Virtual Wari, Shiv Jayanti are celebrated enthusiastically in the Institution to introduce cultural rituals in the young generation.

International Yoga Day and awareness programs on HIV - AIDS are arranged for building a healthy nation.

Women safety is one big move taken into consideration, though why only women, men too are and should be an equal part of it. To acknowledge the same, MMCOE organized an expert lecture on "Gender Equality".

NSS and NCC activities of our institution have taken initiatives to help during natural disasters which include 'Grocery Donation Program', Sanitizer distribution, Face Mask distribution and Family Survey program.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://drive.google.com/file/d/1TMJl7vCLocQeDfkn7PYCzZEDUv9s7xdo/view">https://drive.google.com/file/d/1TMJl7vCLocQeDfkn7PYCzZEDUv9s7xdo/view</a>
Any other relevant information	<a href="https://www.mmcoe.edu.in/index.php/students-corner/extra-curricular-events/nss-extension-activities">https://www.mmcoe.edu.in/index.php/students-corner/extra-curricular-events/nss-extension-activities</a>

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

**A. All of the above**

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

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

**MMCOE celebrates following national and international days in our campus to create awareness among all the students and staff. These events consist of social, curricular, co-curricular activities. Institution has formed various committees which prepare the plan of activities to be conducted during the academic year. The functional head of these committees plan, organize and prepare reports of these activities. In this academic year the college was running in online mode, so all the activities and various expert lectures were conducted in online mode. In this situation also our institution has**

taken efforts to conduct the activities and celebrate national international days and festivals. Our institution has celebrated following days and festivals.

1. International Yoga day
2. Kargil Vijay Divas
3. Independence Day
4. Teachers Day
5. Engineers Day
6. Gandhi Jayanti- SwachataAbhiyaan
7. Ganesh Festival
8. Yuva Divas (National Youth Day)
9. NetajiSubhas Chandra Bose Jayanti
10. Shiv Jayanti
11. Marathi BhashaGaurav Din
12. International Women's Day
13. Science Day

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

**INSTITUTIONAL BEST PRACTICES Best Practice - I**

1. Title of the Practice - Professional Skills exposure to students
2. Objectives Objectives of this best practice are to enhance the professional skills of students to improve their employability and organize training programs to motivate students for higher education and Entrepreneurship. So as to empower them with current Industry needs and job requirements.
3. The Context Industry needs are frequently changing, and technologies are rapidly updating. Students must be aware of these changes and update their skill sets. Though the students are good in academics, few of them are lacking in presentation and technical skills. They are needed to be groomed in technical as well as presentation aspects so that they can fulfil soft skill requirements in Industry. Hence, a Technical Event functional committee is formed at the Institution level, in which

the functional head and a faculty representative from each Department are actively working to achieve the objectives. 4. The Practice Enhancing out of box thinking of students is a noteworthy point of this practice. Efforts taken for the same are mentioned as follows: ? Organizing University sponsored workshops on emerging technologies for faculty members and students ? Students enthusiastically participate/ publish their ideas in National/International Conferences and Journals. ? Expert/Guest lectures are frequently conducted for students by Industry Professionals to impart knowledge of the latest trends in Industries. Page 1 of 6 ? Technical events are organized to improve the professional and technical skills of students to enhance their employability. ? Faculty members and students are active members of professional bodies like ACM, IEEE, CSI, ISTE, SAEINDIA, ISHRAE, ASHRAE, IEI, QCFI, IAENG, ISRD, etc. ? Various student associations such as ITSA, MESA, ACES, BETA and EESA are formed. Technical and non - technical events are organized under the dynamic leadership of student coordinators of each student association. ? Every Department conducts add-on courses/certification courses for students to enhance their technical skills. ? Industrial visits are organized to understand the professional work culture of Industries. 5. Evidence of success ? Team Rudra of Robocon got 100 out of 100 points in the first round of Robocon Competition 2020 organised by IIT Delhi. ? Team Achilles of Efficycle got the Sponsorship of Rs. 1,15,000/- using crowdfunding through Kitto App from all over the world. ? Mr. Shubham Khairnar of BE, Mr. Jay Pillai, Mr. Krushna Pisal, Mr. Aditya Waghire of TE Electrical participated in "Online Mode of Virtual SAEINDIA Efficycle 2020 " organized by Lovely Professional university on 27/09/2020 and achieved (1) Conventional all India Rank 4, (2) Advance All India Rank 5 among 27 participants. ? Ms. Swasti Bali student of IT Department has bagged 'Star Intern' award on Digital Marketing by Credit Systems India. ? Three students from MMCOE received scholarships of Rs 20,000/- each at the scholarship Distribution Ceremony of ACR Project consultants and Rotary Club (North) conducted for all students of Pune on 6/6/2020. ? Students of Mechanical Department Siddarth Pawar, Digvijay Sawant, Akshay Power, Saurabh Sawant have Published Patent on "Design and Development of Liquid Food dispenser Assembly" (Application number: 202021020276, A Date of Publication- 17/07/2020). ? Madhura Barshikar, B.E E&TC student, ranked among the top 7% at the International Astronomy and Astrophysics Competition conducted on 27/07/2020. Page 2 of 6 ? Students chapters IE(I) and ISHRAE have organized an expert session on the topic "Modeling of Two-Phase Frictional Pressure Gradient in Refrigeration and Air Conditioning Systems" ,by International Speaker: Dr. M. M. Awad, Associate Professor, Mansoura University, Egypt on 11/02/2021. ? ACES student

chapter of Department of Computer Engineering has arranged a webinar Series on 'Project Management' during 19/08/2020 to 20/08/2020. ? The Department of IT has organized a 'Web Development Workshop', under ACM from 20/10/2020 to 22/10/2020 for SE TE and BE students. ? Webinar on 'Career Avenues in Clinical data Analytics' was organized by CSI on 09/11/2020. ? ISTE Students' Chapter in collaboration with ISTE Students' Chapter Maulana Azad National Institute of Technology (MANIT) Bhopal conducted National level quiz competition "Chimera-X's" banner on 8/02/2021. ? ISACA Students' Chapter has organised a Virtual event 'ISACA Knowledge Session' on 'Roadmap for Careers in Information Security and Cyber Security' on 13/03/ 2021. ? ISTE Students' Chapter in collaboration with various Industries, organized a national level Hackathon coding competition 'Hacksprint V2' during 24/09/2020 to 26 /09/2020. ? Shreyas Chate, Shubham Kamble, Devyani Jadhav, Krutartha Rasal, students of IT Department have received best research paper award in ICETEMS-2021 conference. ? Mr. Vedant Joshi student of Department of Computer Engineering selected as a 'Ambassador for IEEE Xtreme 15.0' at IEEE Pune section on 03/05/2021.

6. Problems Encountered and Resources required ? It is difficult to find the right person from the Industry who can authoritatively deliver sessions on the latest technologies. It is challenging to maintain a balance between academic activities and technical event activities. ? Some students are from vernacular backgrounds and have poor English communication skills, which need to be improved. ? Conduction of hands-on/ on campus training was difficult due to the Corona pandemic situation.

Page 3 of 6 Best Practice - II

1. Title of the Practice: 'Industry Institute Interaction'
2. Objectives The main objective is to establish and maintain relationships with the corporate world through MoUs, Center of Excellence, sponsored projects, industrial visits and in-plant training programs for students and faculty members.
3. The Context The institution has taken the initiative to interact with various industries through the Industry Institute Interaction committee that maintains professional relations with industries. Industrial visits are arranged for students and faculty members to gain practical exposure and keep abreast of their knowledge. To achieve academic excellence, students are encouraged to interact with industries and research organizations through FDP, industrial visits, sponsored projects, training programs, internships, consultancy etc. Industry professionals are regularly invited to share their knowledge with the students. It opens up a fresh avenue forenthusiastic young minds and faculty members to develop skills across diverse areas, including managerial skills, social responsibilities and Industry liaison.
4. The Practice To strengthen the Industry Institution Interaction, Institution is a member of reputed Industry professional bodies like MCCIA, CII etc. The Institution has



established the Make It Happen Center for Invention, Innovation and Incubation (MCIII). MCIII is established in collaboration with Tata Technologies Ltd. and Science and Technology Park. The main motto behind the MCIII is enabling domain exploration through working principles, application and hands-on experience to make students deployable. It facilitates training, manufacturing, R&D activities, incubation center and many more. The industrial liaison program is aimed at developing meaningful relationships with industries to create and strengthen mutually beneficial relationships between Institution and Industry. ? Faculty Development Program - To upgrade professional skills, various FDPs are conducted, which includes interactive sessions by Industry experts and Industry workshops/training. Page 4 of 6 ? Student Development Program - For the overall development of students, various programs are conducted like personality development, career counseling, technical competitions, industry training programs, industrial visits, add on courses etc. ? Curriculum Review - The Institution has constituted an Academic Advisory Board which comprises experts from various industries. Their suggestions are incorporated into the curriculum through different add-on courses/guest lectures. ? International Linkages -The institution is trying to build International linkages by availing membership of professional bodies, MoUs with various Industries and partnership between Industry and academia through consultancy. MoUs are signed with various companies and different activities such as project sponsorships, competitions, seminars, workshops and technical events are conducted. 5. Evidence of Success ? The Department of Computer Engineering has organized three days FDP 'NBA Accreditation and Outcome Based Education' from 18/06/2020 to 20/06/2020. ? A three-day online Webinar series on 'Scope of Nanomaterials in Engineering and Technology' was organized by the Department of Engineering Science from 9/07/2020 to 11/07/2020. ? The Department of Mechanical Engineering has signed a MoU with the Associated Chambers of Commerce & Industry of India (ASSOCHAM) on 19/08/2020. ? Department of Electrical Engineering has conducted an International webinar on 'Entrepreneurship Development' on 28/08/2020. ? Mr. Vijay Vaze, Program Manager, Cybage, Pune, has delivered an expert session on 'Agile Development Approaches: Industrial Perspectives' on 05/09/2020 for TE Computer students. ? Expert Lecture on 'Image Signal Processing using MATLAB' by Mr. Milind Khanderao (Application Engineer, Design Tech) was arranged for TE, BE E&TC students on 12/10/2020. ? The Department of IT conducted a One Week Workshop on 'C-Programming' on 14/10/2020 to 21/10/2020 for SE Electrical students. ? The Department of E&TC has signed a MoU with BSNL to facilitate BE Projects, Internships, Faculty Training and Placements on 22/10/2020. Page 5 of 6 ? The Department of Mechanical Engineering has arranged a virtual industry

visit at IMTMA Technology centre on 03/11/2020. ? Ms. Asma Shaikh and team faculties of Department of Computer Engineering had filed Indian Patent on 'Wearable device for Alzheimer' at 'Government of India Patent' on 11/12/ 2020. ? Dr. Sandeep Chaware, faculty of Department of Computer Engineering filed a Patent on 'IoT based class monitoring System' at 'Australian Government' on 9/12/2020. ? Department of E&TC has successfully conducted three Days online Faculty Orientation Workshop under the aegis of BCUD SPPU & BoS (E&TC) on SE (E&TC/Elex.) Revised Syllabus for the course " Signals & Systems" during 18/01/2021 to 20/1/ 2021. ? The Department of Information Technology organized a 'One day Faculty Orientation Program (FOP)' on 1/02/2021 for Revised SE IT (2019 Course) for the subject "Software Engineering (Theory)" in association with BOS-IT SPPU. ? The Department of Electrical Engineering conducted a two days workshop on "Outcome-based Education" on 12/02/2021 to 13/02/2021. ? Mr. Mahesh Bodhgire, Managing Director ecoRise Software solutions conducted a demonstration session on Cloud Platform on 18/03/2021 for TE IT students. ? IEEE Student Branch has organized Exuberance Week from 8/03/2021 to 13/03/2021. More than 300 students have participated in this event ? Total 105 students of the Department of Computer Engineering have successfully completed internships from various industries. 6. Problems Encountered - ? Sometimes it is a hurdle to call speakers from prominent companies for expert sessions because of their busy schedules. ? Lack of sponsored projects for final year students. ? Arranging Industrial visits are difficult due to the Corona pandemic.

File Description	Documents
Best practices in the Institutional website	<a href="https://www.mmcoe.edu.in/images/Best_practices_20_21.pdf">https://www.mmcoe.edu.in/images/Best_practices_20_21.pdf</a>
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

Vision of the Institution is 'To aspire for the welfare of society through excellence in science and technology'. Under the slogan of 'Welfare of Masses', the Institution consistently inspires students and provides a platform for technical skill development, multidisciplinary project development, Entrepreneurship development, Ethical and Human value development.

With the trust of academic and technical excellence, the Institution motivates and supports students to participate in various National and International competitions like BAJA SAEINDIA, ROBOCON, Formula Bharat, Efficycle.

Students learn ethics, team building, technical skills, presentation skills, project management and financial management. They also experience their physical strength, healthy competitive environment and global standards by participating in such globally recognized competitions.

Following are the evidence of success:

Effi Cycle 2020(September)

AIR 4 in CONVENTIONAL category

AIR 5 in the ADVANCED HYBRID category

Robocon 2020 (October)

AIR in Final Event: 21

Formula Bharat 2021 (January)

AIR 17 in ENGINEERING DESIGN

AIR 2 in BUSINESS PLAN Presentation

11th Feb 2021

AIR 13 in OVERALL RANKING

BAJA2021(April)

AIR 1 in GO GREEN Event? (Prize Rs. 20,000/-)

AIR 6 in CAE ?Event

AIR 7 in MANUFACTURING Event

AIR 12 in OVERALL STATIC Event

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

Following activities are planned for the academic year 2021-22

1. Planning of NAAC accreditation for the second cycle
2. International Conference for all the programs
3. NBA accreditation for two UG/PG programs
4. Participation in NIRF and ARIIA ranking
5. One Cross audit and one external audit semester wise
6. Planning for academic autonomy in incremental mode
7. Session on Solar vehicles by Dr. Solanki (IIT Bombay) and on Startup, Incubation by Dr. Jagdale (Director General-STP, Pune)
8. Workshop on Power devices and circuits, Latex, introduction to Git and Github
9. Technical event Dexterity and Cultural event Ensemble
10. Guest lecture on Gender equality
11. Coding Competition and Smart India Hackathon
12. Expert Session lecture on HIV awareness, IPR, and stress management
13. Technical project competition by all programs
14. Musical Events Swargandh for faculties
15. FDP on recent advancements in IoT & Embedded systems for automation in association with ISTE
16. Tech meet with industries to enhance placement activities

17. Motivational Stories for students by Successful Entrepreneurs through Institute Innovation Council

18. Internship and certification programs for students through EduSkills and AICTE

19. Blood Donation Camp in memory of Late Shri. Shankarrao Chavan

MAAC