



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	MARATHWADA MITRA MANDAL'S COLLEGE OF ENGINEERING
Name of the head of the Institution	Dr. S.M. Deshpande
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02025479811
Mobile no.	8446447118
Registered Email	principal@mmcoe.edu.in
Alternate Email	iqac@mmcoe.edu.in
Address	Sr. No. 18, Plot No.5/3, CTS No.205, Behind Vandevi Temple, Karvenagar, Pune.
City/Town	PUNE
State/UT	Maharashtra

IQAC

No Data Entered/Not Applicable!!!

[View File](#)**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Mechanical Department-Dr. V. W.Bhatkar	ISHRAE Student Project Grant (ISPG)	ISHRAE	2019 365	50000
Mechanical Department-Dr. P.K.Katara	IE(I) R and D Grant in aid Scheme	The Institute of Engineers(India)	2019 365	25000
Mechanical Department-Dr. V. W.Bhatkar	Sponsored Project	La Foundation Dassault Systems	2020 180	300000
Mechanical Department-Mr. G.R. Choudhary	Sponsored Project	La Foundation Dassault Systems	2020 545	600000
Mechanical Department-Dr. V. W. Bhatkar	Undergraduate Equipment Project Grant	ASHRAE	2019 365	364360
Computer Engineering- Ms. P.S. Mehta, Ms. S.B.Sapkal, Ms. G.R.Chilarge	Projects sponsored by the University/ College	BCUD, SPPU, Pune	2019 730	200000
Information Technology Department - Ms. S. A. Kakad, Dr. V. S. Bidave	Projects sponsored by the University/ College	BCUD, SPPU, Pune	2019 730	220000

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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)**10. Number of IQAC meetings held during the year :**

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

1. Mechanical Engineering and Electrical Engineering Programmes are NBA accredited.
2. Permanently affiliated from Savitribai Phule Pune University, Pune and Process of application to 2(f) and 12(B) of UGC Act, 1956 is under process.
3. "Make It Happen Center for Invention, Innovation and Incubation-MMCI" name is approved and registered as Section 8-A non-profit Company. Marathwada Mitra Mandal Centre in association with TATA Technologies Ltd and Science & Technology Park (STP), Pune is functioning in the academic year 2019- 20.
4. Many activities are arranged for all faculty members and students from all departments like guest lecture series on IPR, Research Publication, New Education Policy etc.
5. PhD Research Centre for Computer Engineering is actively started from AY 2020-2021.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achievements/Outcomes
Initiation for more number of research projects to different funding agencies	Count of funding projects is improved
Process of PhD research centre in Computer Engineering initiated	Research committee visited
Permanent Affiliation from Savitribai Phule Pune University, Pune	Extensive efforts are taken by IQAC and Received Permanent Affiliation from SPPU
Industry Institute Interaction to be improved	MOUs has been increased up to 56
IQAC Meetings Scheduled	Conducted on 09/11/2019 and 16/05/2020
Internal IQAC audit is initiated in each department with NAAC guidelines	Internal IQAC audit is carried out in each department with NAAC guidelines
Process of NBA Accreditation initiated for Mechanical, Electrical and IT Department.	NBA visit was held on 17th-19th January 2020 and Mechanical and Electrical Department are now NBA accredited

Review of Centre of Excellence in each Department	Skill up gradation by Centre of Excellence in each department
Review & analysis of Academic Results	The academic results are improved
Modification in API (Appraisal Performance Index) under PBAS	API (Appraisal Performance Index) is discussed, analysed and modified
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
College Development Committee	14-Aug-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	17-Jan-2020
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	30-Jan-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Institute is in process of developing its own MIS system. Below is the list of functionalities available in the system: i. Admission module : a) Student Registration b) Uploading Students personal and academic information c) Document uploading d) Information document verification e) Exporting student information ii. Academic Module (in process): a) Staffwise subject allocation b) Classwise student allocation c) Subject related data uploading d) Student Attendance e) Defaulter list iii. Feedback module(in process): Staff feedback is to be collected from students.
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Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The Institution efficiently plans and monitors the activities for the effective implementation of the curriculum well before the start of new semester. Every faculty member gives his/her choices of the subjects for the new semester as per their area of specialization. The academic planner and the departmental calendar are prepared from the calendar published by the University. Theory and practical teaching plans, course files, lab manuals, question bank with explanations, assignments are prepared by the faculty members before the start of new semester along with teaching material for all six units of every subject including content beyond the syllabus, virtual lab experiments are shared with all the students by the respective subject teacher on Google Apps. The academic monitoring committee continuously monitors the theory classes, practical and tutorial classes through daily attendance. The institution has provided all classrooms with LCD projector and internet access for using ICT. NPTEL videos, content from online courses and webinars are used by faculty members for effective curriculum delivery. Each department assigns teacher guardians to all the students in a batch of 20 students. They regularly take feedback from students and try to solve their problems by counselling and keep a record of the university examination marks and extra-curricular activities in a booklet. The subject teacher monitors the performance of each student and conducts remedial classes for further improvement. Interdepartmental and departmental academic coordinators conduct the academic audit of faculty members thrice in a semester and submit the report to the HODs, Dean Academics and Principal for corrective actions. Institution has formed various functional committees to focus on specific areas such as academic monitoring, timetable, theory, practical and unit test examinations, technical events and so on. Performance and attendance of all the students are regularly communicated to parents through teacher guardian by telephonic conversation, SMS and through e-mail communications. Each department regularly evaluates the students through continuous assessment systems such as offline and online class tests, mock practicals/orals, assignments, tutorials, surprise tests, quizzes and group discussions. The institution encourages and sponsors faculty members to organize and attend faculty development programs (FDPs) for enriching their subject knowledge and to enhance the interaction among the peer group. Faculty members visit industries related to their subject to gain knowledge of the latest development carried out in the respective domains as a part of Industry Institute Interaction through the Corporate Relations Division (CRD). Each department has allotted two hours sessions per week in the class time table for an enhancement of employability skills through CRD. The central library is kept open for all the students after the effective working hours. During the examination period, the reading hall is open for 24 hours including Sundays. Due to COVID 19 lockdown in March, April and May 2020, theory and practical classes, seminar and project orals, university oral and practical examinations are conducted online using Google meet. Most of the faculty members and students attended online seminar, conferences and expert lectures organized by renowned organizations and industries.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
workshop on "Advanced composites	NA	07/02/2020	02	Knowledge	Industry exposure

Design Analysis and Manufacturing in association with MechAero Foundation						
Two days Hands on Workshop on Autodesk AutoCAD and Fusion 360	NA	24/02/2020	02	Knowledge	Industry exposure	
One week workshop on MATLAB and Electrical Measuring Instruments	NA	18/06/2019	05	Employability	Overview of Matlab Simulation and Electrical Measuring Instruments	
Four Days workshop on Power Electronics component selection , testing and Prototype Making	NA	28/08/2019	04	Employability	Able to apply of power electronics for various industrial application	
Four Days workshop on Automation Technologies	NA	28/08/2019	04	Employability	Understand various automation technologies	
Workshop on "Research Paper Writing"	NA	30/09/2019	01	Employability	Understand Research Paper Writing	
One day workshop on Student Solar Ambassador" in association with IIT Bombay	NA	02/10/2019	01	Employability	Design and develop a Solar Lamp	
Build solar panel from Fruit Juice and produce Electricity	NA	11/10/2019	01	Employability	Generate Electricity by using renewable Source	
Workshop on	NA	24/12/2019	01	Employability	Exposure to Speed	

Spreadsheet						sheet to analyze data.
Induction Program	NA	07/08/2019	15	Employability/ Entrepreneurship		Awareness in Engineering
UDAAN	NA	20/02/2020	01	Employability/ Entrepreneurship		Develop Project
Workshop on how to prepare for the Aptitude tests and score well in these tests using logical reasoning by Industry Expert.	NA	19/10/2019	01	Employability		Interview Practice sessions for MBA 2nd year students.
Mock Personal Interviews (PI) by external Soft skill trainer.	NA	19/10/2019	01	Employability		Interview Practice sessions for MBA 2nd year students.
Icebreaking Activity	NA	16/11/2019	01	Personality Development		Confidence Building. Cross Introduction session for MBA 1st year students.
Introduction to Soft Skills	NA	23/11/2019	01	Personality Development - Employability/ Entrepreneurship		Introducing yourself, Common errors and Introduction to Soft Skills to MBA 1st year students.
Three Days Workshop on : Advanced Projects based on IoT	NA	16/09/2019	03	Employability		Advanced Projects based on IoT
Two Days Hands on Training on: PCB Designing	NA	17/09/2019	02	Entrepreneurship		PCB Designing and Etching process

and Etching						
One Day Workshop on Python	NA	21/09/2019	01	Employability	Python Programming	
EYIC Regional Final and Industry Conclave in association with IIT Bombay	NA	28/02/2020	02	Entrepreneurship	Project Demonstrations	
One day Workshop -Hands on session on PCB Design and Implementation	NA	11/03/2020	01	Entrepreneurship	PCB Design and Implementation	
One day seminar on Basics of PLC sponsored by B R Automation	NA	06/04/2020	01	Employability	Basic concept of PLC	
Health and Happiness workshop for Students	NA	25/05/2020	03	Other	Health and Happiness	
Three days online FDP in Recent Trends in Technology Digital Education	NA	27/05/2020	03	Employability	Trends in Technology Digital Education	
Two days Hands on workshop using CATIA	NA	28/06/2019	02	Employability	Industry exposure	
Add on Course on Geometric Dimension and Tolerancing as per ASME GDT standard	NA	11/07/2019	15	Employability	Industry exposure	
Two days workshop on Mastercam is organized by IMTMA for BE	NA	20/09/2019	02	Employability	Industry exposure	

Students.						
Two days Hands on workshop on Finite Element Analysis using Hyper-Mesh Software	NA	24/09/2019	02	Employability	Got exposure for meshing and Simulations	
One day training on 'Making and Flying a rubber powered aircraft model'	NA	05/10/2019	01	Knowledge	Design, making and flying a rubber powered aircraft model	
One day Hands of workshop on Solar Cell device fabrication	NA	11/10/2019	01	Employability/ Entrepreneurship	Got exposure renewable energy source	
Email Etiquettes, Business Email writing	NA	23/11/2019	01	Employability/ Entrepreneurship	Improvement of writing skills. Professional email writing skills for MBA 2nd year students.	
Extempore and public speaking	NA	11/01/2020	01	Personality Development - Employability	Confidence Building. Communication skills enhancement for MBA 1st year students	
Technical Analysis session	NA	11/01/2020	01	Financial Management Employability	MBA 1st 2nd year students	
Small talk- Conversing with friends and strangers	NA	15/01/2020	01	Personality Development Employability/ Entrepreneurship	Confidence Building. Communication skills enhancement for MBA 1st year students	
Story Building and	NA	18/01/2020	01	Employability	Preparation	

most likely question of PI						for PI for MBA 2nd year students.
Letter Writing	NA	22/01/2020	01	Employability		Video session to upgrade letter writing skills for MBA 1st year students.
Business Letter Writing	NA	08/02/2020	01	Entrepreneurship		Develop skills of business letter writing for MBA 2nd year students.
Mock GD PI	NA	20/02/2020	03	Employability		Interview Practice sessions for MBA 2nd year students for MBA 1st year students.
Pronunciation and Vocabulary building	NA	04/03/2020	01	Business Communication Skills		Develop Tongue twisters and identification of difficult areas
Communication gap activity	NA	07/03/2020	01	Employability		Communication Skills
SWOT Analysis video	NA	12/03/2020	01	Entrepreneurship		SWOT analysis
One week Short Term Training program (STTP) on Data Analytics using Machine Learning for High Performance Computing	NA	03/06/2019	05	Employability		Analysis on real time applications with the help of Data analytics and Machine Learning
Seminar on "Guidelines of BE project"	NA	06/07/2019	01	Employability		Develop projects

Seminar on "Agile frameworks" for TE students	NA	02/08/2019	01	Employability/ Entrepreneurship	Got exposure for coding
Five days FDP on "Data Science and Big Data Analytics" in association with ICT Academy	NA	29/07/2019	05	Employability	Development of web application using python
One day Workshop on "Hands-on session on MongoDB" held under CSI-MMCOE chapter	NA	09/08/2019	01	Employability	Develop projects based on NoSQL database
One day Workshop on "Website Development" for SE students	NA	24/08/2019	01	Employability	Development of website
one day workshop on Block chain Boot camp in association with Snappers Indian Block chain Institute (IBI)	NA	27/08/2019	01	Employability	Understand and design complex engineering problems using modern techniques.
Four days workshop on "Python and Data Science" in association with ATS	NA	28/08/2019	04	Employability	Got exposure to Learn python and improve Prediction analytics capability
Two days workshop on IoT with hands-on on embedded system	NA	29/01/2020	02	Entrepreneurship	Develop projects based on IoT
One day workshop on Hibernate-	NA	11/02/2020	01	Employability	Develop projects

Java under CSI for SE and TE students						
One day Workshop on "Blender: An Open source Animation tool	NA	27/02/2020	01	Employabil ity	Develop Games	
One day workshop on "AWS Cloud" under CSI for BE students	NA	11/03/2020	01	Employabil ity	Deploy Projects on cloud	
Two days workshop on "Essence of OpenGL"	NA	12/03/2020	02	Entreprene urship	Develop projects	
Hand-on session on LATEX under ISTE students Chapter	NA	19/03/2020	01	Employabil ity	Got exposure to write the reports	
One Week FDP on PHP MySQL in Association with Spoken Tutorial IIT Bombay	NA	30/04/2020	06	Employabil ity	Got exposure to Learn PHP and MYSQL	
Five days Workshop on "C Programming"	NA	24/06/2019	05	Employabil ity	To develop coding skills	
Cross Platform Mobile App Development (CPMA) by ATS	NA	29/07/2019	04	Employabil ity	Hands on experience on Cross Platform Mobile App Development	
Two days hands on Workshop on "Python Programming"	NA	28/09/2019	02	Employabil ity	Got exposure for python programming	
One week FDP on " Data science and Big Data Analytics" was	NA	29/07/2019	05	Employabil ity	Understand Data science and Big Data Analytics	

organized in association with ICT Academy					
one day Faculty Development Program on Python under the scheme of the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India through Remote Center	NA	22/06/2019	01	Employability	Got exposure for python programming
No Ops challenge workshop and Hackathon	NA	06/07/2019	01	Employability	Got exposure for coding
IITB Spoken Tutorial FDP on " PHP and MySQL"	NA	30/04/2020	06	Employability	To enhance skills of faculty members in PHP and MySQL
IITB Spoken Tutorial Test on "Python"	NA	18/02/2020	01	Employability	Got exposure for Python coding
IITB Spoken Tutorial Test on "Java"	NA	10/08/2020	01	Employability	Got exposure for Java coding
Five days hand on workshop on python in association with MCIII	NA	09/01/2020	05	Employability	Got exposure for Python coding
Three Days Workshop on : Python based Artificial	NA	27/07/2019	03	Employability	Python based Artificial Intelligence

Intelligence						
Hands on Training on "Proteus"	NA	31/08/2019	01	Employability	Different circuits can be built by using Proteus	
Organized Webinar on "Data Science" by Mr. Akshay Chougule	NA	02/05/2020	01	Employability	Exposure on Data Science	

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Programming and Problem Solving, PPS 110005	05/07/2019
BE	Audit Course 1 101007	05/07/2019
BE	Project Based Learning 110013	05/07/2019
BE	Audit Course 2 101014	05/07/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Engineering Science FE Semester-I 2019 pattern PPS 110005	05/07/2019
BE	Engineering Science FE Semester-I 2019 pattern Audit Course 1101007	05/07/2019
BE	Engineering Science FE Semester-II 2019 pattern Project Based Learning 110013	05/07/2019
BE	Engineering Science FE Semester-II 2019 pattern Audit Course 2 101014	05/07/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	3093	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		

[View File](#)

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Computer Engineering	182
BE	Information Technology	46
BE	Electronics & Telecommunication Engineering	269
BE	Mechanical Engineering	146
BE	Electrical Engineering	89
MBA	MBA Department	71
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

The feedback from students, alumni, parents, employers is proactively utilized for enhancing the overall development of the Institution. Every department is conducting a graduate exit survey about the teaching-learning process, curriculum, co-curricular and extra-curricular activities, infrastructure facilities, continuous improvements, industry supports in terms of placements, internships and satisfaction of PEOs, POs and PSOs. Corrective action is implemented after discussion in departmental and IQAC meetings. Every year, the Institution organizes Annual General Meet by inviting alumni with the use of Information and Communication Technology. They interact with faculty members and students, sharing their knowledge which creates a strong bond for getting projects, internships, training, job links etc. Feedback collected from alumni is discussed in departmental meetings and corrective measures are implemented. The feedback collected from the experts/project examiners is used to enhance the quality of projects. Employer's feedback is taken during the campus recruitment to enrich the curriculum and to cover content beyond the syllabus for better employment opportunities. The Institution is having strong Industry Institution Interaction through faculty liaisoning. Every faculty is liaison with at least one industry of his/her choice. Faculty liaisoning outcomes in the form of internships, sponsored projects, industrial visits, expert lectures from industry, support for RD, consultancy, MoUs, placements, lab developments are collected through the Industry Institution Interaction sub-committee. Feedback from parents is collected during every departmental parent's meeting. Suggestions given are discussed in faculty meetings and corrective actions are initiated. The feedback given by the participants during the conferences, workshops, state and national level programs are utilized for organizing future programs. Constructive suggestions were given by students, alumni participants

in conferences are discussed in the departmental meetings, with deans and implemented after the approval from IQAC. Adjunct faculty members are associated with the Institution to mentor students in their domain expertise for industry projects, seminars, placements, internships, MoUs, case studies etc. The feedback collected from the stakeholders is represented from time to time at various levels during the syllabus setting and detailing workshops organized by the University and Board of Studies (BoS) meetings. The Institution organizes various enrichment programs that focus on the human values, employable and life skills, creating competency in the technology and quest for excellence. IQAC monitor and evaluate the performance of the enrichment program. Paper presentations, project competitions, alumni talk and other such activities are organized by different student chapters where the evaluation is done by academic and industry experts. During COVID 19 lockdown in March to May 2020, theory and practical classes, seminars and project orals, university oral and practical examinations are conducted online using Google meet as per guidelines from SPPU. Unit wise ICT feedback is collected for all the subjects by every faculty member for online theory classes.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MBA	MBA	60	52	52
ME	Computer Engineering	18	7	7
BE	Mechanical Engineering (Second Shift)	66	69	52
BE	Mechanical Engineering	139	120	94
BE	Information Technology	70	74	54
BE	Electrical Engineering	70	64	49
BE	Electronics and Telecommunication Engineering	139	146	110
BE	Computer Engineering	139	154	130
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2334	125	112	9	121

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
125	125	5	27	Nil	16

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

In order to improve performance of the students with respect to their attendance, results and participation in various activities, there must be a close association between teachers and students. In addition, some of the students need personal guidance and counseling. The Institution follows a student's mentoring system through teacher guardian scheme wherein the academic and personal issues of the students are looked after. The Teacher Guardian scheme is developed to closely monitor every student's academic performance and ensure that his/her performance improves. TG scheme also ensures that parents are regularly updated about their ward's progress. The Institution has also appointed professional counselors to address the personal, psychosocial and other problems of the students. The Corporate Relations Division Cell of the Institution assists the students by conducting trainings, seminars and workshops for their overall grooming thereby making them eligible for better placement opportunities. The Institution provides fee waiver facility to economically weaker students in order to support them to continue their education. Various committees are in place to motivate and encourage the students to participate in competitions at different levels. • The COVID-19 has resulted with the distinctive rise of e-learning, whereby teaching is undertaken remotely and on digital platforms. Teachers continued with coordinated and collective efforts to fight Covid-19 and also made productive use of their time during the current situation by adopting Information and Communication Technology (ICT) for teaching learning process and contribute towards the intellectual wealth of the students. Teachers used virtual classrooms to teach with all necessary tools, which makes the online sessions as effective as traditional ones. Online platforms that support live-video communication are listed below which were used by learners: • Google Meet – Video calls integrated with other Google's G-Suite tools. Video meeting recordings, Screen sharing. Google Calendar was used to schedule lectures, seminars, webinars and sharing the details via mail and social media tools. Online class/conference session were saved in Google Drive and shared with students for future reference • Teams • Zoom • In order to conduct exams, institutions is using online examination software Moodle. This will prevent institution in facing delays in its annual academic calendar for lockdown. Many expert lecture series were conducted free of cost from variety of esteemed organizations. e.g. Indian Machine Tool Manufacturers Association (IMTMA), Renishaw Ltd., The online learning platforms help the students not only get full access to the study material but also allow them to engage in online classes and interact with the teachers like the physical classroom setting. For expansion of knowledge of teachers, students and researchersthe Institution stressed, use of some digital initiatives. • SWAYAM online courses: provides access to best teaching learning resources free of cost. • MOOCs • National Digital Library: is a digital repository of a vast amount of academic content in different formats and provides interface support for leading Indian languages for all academic levels including researchers and life-long learners, all disciplines. • Shodhganga • DIKSHA portal

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2459	125	1 : 20

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
125	125	Nil	39	18

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
ME	615624510	Sem-II	05/11/2020	10/11/2020
ME	615624510	Sem-I	21/12/2019	22/02/2020
MBA	615610110	Sem-II	06/11/2020	11/11/2020
MBA	615610110	Sem-I	12/12/2019	07/02/2020
BE	615624510, 615637210, 615629310, 615624610, 615661210, 615661220	Sem-II	05/11/2020	10/11/2020
BE	615624510, 615637210, 615629310, 615624610, 615661210, 615661220	Sem-I	02/01/2020	20/01/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Various evaluation reforms initiated by the Institution are as follows:
Internal Evaluation: ? Various evaluation reforms initiated by the Institution on its own are: ? Prelim examination for FE students ? Mock online examination ? Mock practical/oral examinations ? Unit Tests, Assignments, Open Book Test ? Project, seminar reviews ? Institution encourages students to use reputed research papers for seminars ? and projects to inculcate research culture among students ? Institution encourages students for internships, sponsored projects and one student one product approach. ? Soft Skill and personality development sessions are conducted by Corporate Relations Division (CRD) ? Due to Covid-19 situation, many of the above evaluations like project and seminar reviews, assignments as well as practical oral examinations were conducted in online mode. Various evaluation reforms initiated by the University that are followed by the Institution are as follows: **External Evaluation:** ? Online exams for second year students, In-Semester exam for first, third and final year students, Practical, oral, TW theory exams at the end of the semester as per the University schedule and time table ? As per the requirement of the University, the Institution has deputed approved faculty at the post of College Examination Officer (CEO) for better co-ordination among the Institution and the varsity for various University exams ? Paperless submission of marks i.e. online submission of TW, practical/oral marks to the University ? The

Institution has adopted credit based system for UG PG programmes, online appointment of internal examiners for TW, practical/oral, In-semester exams etc.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

At the beginning of each academic year, the affiliating university (SPPU) provides guidelines about the academic schedule of the semester which includes the dates of commencement and end of the semester, schedule of examinations, etc. Accordingly, the Academic Monitoring Committee, Dean Academics after taking suggestions from Principal prepares an academic planner for the institution in the beginning of a semester. After approval of the academic planner, the respective department prepares an academic calendar of the department. It includes a schedule for unit tests, term end exam, technical events, guest lectures, parents meet, co-curricular and extra co-curricular activities of the department. Academic calendar of each department is displayed on the institution website and also circulated among the faculties and students. In concurrence with the academic calendar, mock online tests are conducted for the second year engineering students to practice university online examinations. Internal Exam Committee (IEC) schedules Unit tests for the first, third and fourth year engineering students to practice for university theory examinations. The record of a continuous assessment is maintained by the subject teacher and performance of students is evaluated at the end of a semester. A periodic review of the progress of the syllabus is taken and extra hours are added in time table (if required) to meet the academic deadlines. The institution faces some problems in following the academic calendar due to late admission of direct second year students. In such cases academic monitoring committee forms a new class or schedules extra lectures to cover the syllabus in due course of time. Periodic audits are taken to review the syllabus coverage and related academic activities. The HODs, in turn, organize departmental meetings and initiate the required steps for syllabus completion.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://www.mmcoe.edu.in/index.php/academics/learning-outcomes>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
615624510	ME	ME Computer Engineering	4	4	100
615610110	MBA	MBA	59	58	98.30
615661220	BE	Mechanical Engineering (Second Shift)	75	75	100
615661210	BE	Mechanical Engineering (First Shift)	136	135	99.52

615624610	BE	Information Technology	73	73	100
615629310	BE	Electrical Engineering	51	51	100
615637210	BE	Electronics & Telecommunication Engineering	160	160	100
615624510	BE	Computer Engineering	145	144	99.31
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://www.mmcoe.edu.in/images/SSS_Action_taken_2019-20.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
International Projects	365	ASHRAE	3.63	0
Projects sponsored by the University	730	BCUD, SPPU, Pune	2	0
Projects sponsored by the University	730	BCUD, SPPU, Pune	2.2	1.1
Minor Projects	365	ISHRAE	0.5	0.5
Major Projects	545	La Foundation Dassault Systems	6	6
Minor Projects	365	The Institute of Engineers (India)	0.25	0.25
Minor Projects	180	La Foundation Dassault Systems	3	3
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
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Dr. Vikas Phalle, VJTI Mumbai - Expert lecture on "How to write a research proposal?"	Institute Level	07/03/2020
Mr. Praffula Wange , Patent Attorney , Bhate and Ponkshe Legal Consultant, Pune-" IPR and Design Process Session"	Institute Level	28/01/2020
Meeting with Dassault System La Foundation- Research Proposals	Institute Level	08/01/2020
Dr. Aparna Shejwalkar , KPIED, Pune-" IPR and Patent Process"	Institute Level	23/09/2019
Dr. Ashutosh Marathe , Dean Quality Assurance VIT, Pune-" NBA Assessment Procedure and Documentation"	Institute Level	10/08/2019
Dr. Shubhada Nagarkar , UGC Cell, SPPU, Pune -"Publication Ethics and CARE"	Institute Level	10/08/2019
One day workshop on "AWS Cloud" under CSI for BE students	Computer Engineering	11/03/2020
Two days workshop on "Essence of OpenGL"	Computer Engineering	12/03/2020
Online Hands-on session on LATEX under ISTE students Chapter	Computer Engineering	19/03/2020
Seminar on "Agile frameworks" for TE students	Computer Engineering	02/08/2019
One day Workshop on "Hands-on session on MongoDB" held under CSI- MMCOE chapter	Computer Engineering	09/08/2019
One day Workshop on "Website Development" for SE Students	Computer Engineering	24/08/2019
One day workshop on Blockchain Bootcamp in association with Snappers Indian Blockchain Institute (IBI)	Computer Engineering	27/08/2019
Four days workshop on "Python and Data Science" in association with ATS	Computer Engineering	28/08/2019

One day workshop on Hibernate-Java under CSI for SE and TE students	Computer Engineering	11/02/2020
One day workshop on BLENDER : Open Source Tool for Animation	Computer Engineering	27/02/2020
One week workshop on MATLAB and Electrical Measuring Instruments	Electrical Engineering	18/06/2019
One week workshop on Power Electronics component selection, testing and Prototype Making	Electrical Engineering	27/08/2019
One Week workshop on Automation Technologies	Electrical Engineering	27/08/2019
One day workshop on Student Solar Ambassador	Electrical Engineering	02/10/2019
Build solar panel from Fruit Juice and produce Electricity	Electrical Engineering	11/10/2019
One day Workshop on Research Paper Writing	Electrical Engineering	30/09/2019
One day Workshop on Spread sheet	Electrical Engineering	24/12/2019
Two days EYIC Regional Final and Industry Conclave in association with IIT Bombay	Electronics and Telecommunication Engineering Electronics and Telecommunication Engineering	28/02/2020
Hands of session on PCB Design and Implementation	Electronics and Telecommunication Engineering	11/03/2020
One day Webinar on : "PLC Basics" by B R Automation	Electronics and Telecommunication Engineering	06/04/2020
Three Days Workshop on : Python based Artificial Intelligence	Electronics and Telecommunication Engineering	27/07/2019
Hands on Training on "Proteus"	Electronics and Telecommunication Engineering	31/08/2019
Three Days Workshop on : Advanced Projects based on IoT	Electronics and Telecommunication Engineering	16/09/2019
Two Days Hands on Training on: PCB Designing and Etching	Electronics and Telecommunication Engineering	17/09/2019
One Day Workshop on Python	Electronics and Telecommunication Engineering	21/09/2019

Three days online FDP in "Recent Trends in Technology Digital Education" in association with ISTE staff chapter	Electronics and Telecommunication Engineering	27/05/2020
Two day hands on workshop on Autodesk AutoCAD and Fusion 360	Mechanical Engineering	23/02/2020
One day workshop on Advance composites design, analysis and manufacturing	Mechanical Engineering	07/02/2020
One day workshop on building solar panel from fruit juice and produce electricity	Mechanical Engineering	11/10/2019
One day workshop on rubber powered aircraft airomodelling	Mechanical Engineering	05/10/2019
Two days hands on workshop using Hypermesh	Mechanical Engineering	24/09/2019
Two days hands on workshop using CATIA	Mechanical Engineering	28/06/2019
Two days hands on workshop on "Python Programming"	Information Technology	28/09/2019
One Week Faculty Development program on "Data Science Big data Analytic" in association with ICT Academy	Information Technology	29/07/2019
Five days FDP on "Data Science and Big Data Analytics" in association with ICT Academy	Computer Engineering	29/07/2019
Two Days Workshop on Solar Thermal System	Electrical Engineering	29/08/2019
Two Days Workshop on Wind Energy Systems	Electrical Engineering	29/08/2019

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Experimentation learning	Dr. K. R. Patil	SAE India	26/01/2020	Best Faculty Advisor
India's Brand Ambassador	Ms. Madhura Barshikar	International Astronomy and Astrophysics	20/03/2020	International Astronomy and Astrophysics competition
Students Chapter Award	Dr. Vijay Bhatkar	ISHRAE Pune Chapter	02/10/2020	Best Students Chapter Award

	(Faculty Advisor)			
Object Classification for self driving car	Ms. Riya Chougule	At Persona Fest 2020, MITADT	12/02/2020	Poster Competition
No file uploaded.				

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
01	Make It Happen Centre for Invention, Innovation and Incubation -MMCI	Tata Technologies, Science Technology Park	Whizkey	One Partner Company	05/10/2019
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Computer Engineering	1
Electronics Telecommunication Engineering	2

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer Engineering	41	4.35
International	Electronics Telecommunication Engineering	2	0.8
International	Information Technology	14	4.51
International	Mechanical Engineering	3	1.49
International	Electrical Engineering	4	4.3
International	MBA	1	01
No file uploaded.			

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Electrical Engineering	1
Mechanical Engineering	1
Information Technology	1
Electronics Telecommunication Engineering	2
Computer Engineering	2
No file uploaded.	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	8	100	40	80
Presented papers	5	Nil	Nil	Nil
Resource persons	Nil	Nil	4	2
No file uploaded.				

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
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Blood Donation Camp	Participation Certificate	Sasson Blood bank, Gholap blood bank, Anand Rushi Blood Bank, Pune	173
Guinness World Records of sapling distribution by NSS unit - MMCOE with SPPU NSS department	Participation Certificate	Guinness World Records	152
No file uploaded.			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat	NSS unit - MMCOE	Swachata Abhiyaan at NSS winter camp	3	50
Aids Awareness	NSS unit - MMCOE	Guest Lecture at NSS winter camp	3	50
Swachh Bharat	NSS unit - MMCOE	Swachata Abhiyaan on Gandhi Jayanti and NSS day	3	35
Corporate Social Responsibility	Aadhar club	Learning with smile	2	10
Corporate Social Responsibility	Aadhar club	Give your share to show your care for COVID-19	2	2
Community Development and extension services	Zilha Parishad primary school A/P Agalambe Tq. Haveli Dist. Pune-411023	Computer Awareness among school students, Solve the Electrification problems	3	10
Community Development and extension services	Shri. Hanuman Temple A/P Agalambe Tq. Haveli Dist. Pune-411023	Electrification of the Temple	3	10
Health and Happiness workshop	Art of Living	Yoga , Pranayama in Health and Happiness workshop	1	97
CORONA Food Distribution Activity	Marathwada Mitra Mandal Group	Distribution of 800 meals daily	2	6

One day salary donation	Teaching Non Teaching Staff Marathwada Mitra Mandals College Of Engineering	Kolhapur, Sangli Flood relief fund	166	Nil
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Internship	71 Electrical Engineering + 98 Electronics & Telecommunication Engineering = 169 Students	Softhard Automation Private Ltd.	07
Student Exchange International Internship (Teesside University, UK)	Mr. Vivek Gondil	Self Finance	45
Student Exchange International Internship (Teesside University, UK)	Ms. Vaishnavi Deshpande	Self Finance	45
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
276	53

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Existing
Classrooms with LCD facilities	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Seminar Halls	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
SLIM-21 System for Library Information And Management	Fully	3.6.0.31681	2011

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	38	18154	19	7198	57	25352
Reference Books	54	27886	25	9403	79	37289
e-Books	Nill	Nill	10966	Nill	10966	Nill
e-Journals	28753	151984	28753	154752	57506	306736
Digital Database	11000	Nill	Nill	Nill	11000	Nill
CD & Video	3985	100000	Nill	Nill	3985	100000
Library Automation	1	126000	Nill	Nill	1	126000
Others(s pecify)	3	8548	Nill	Nill	3	8548

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
0	0	0	Nil
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	625	25	68	1	1	1	6	68	0
Added	0	0	0	0	0	0	0	0	0
Total	625	25	68	1	1	1	6	68	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

68 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
You tube channel created by faculty	https://www.youtube.com/channel/UC26t_RM9CFShcXTHUUh4TCO/videos?view_as=subscriber2
You tube channel created by faculty	https://www.youtube.com/channel/UCyTRjNx6WRoHlaR4vgy-KDw
You tube channel created by faculty	https://www.youtube.com/channel/UCYYMxOxpudvQmhlWdOOQEAg
You tube channel created by faculty	https://www.youtube.com/channel/UCc1OBfzinJwyF6VTL46KwKA?view_as=subscriber
You tube channel created by faculty	https://www.youtube.com/channel/UCItZyZgTpFXLlCabSxtvs_g
You tube channel created by faculty	https://www.youtube.com/channel/UCtyZo8O6qib4cs1UX-YdK_g
You tube channel created by faculty	https://www.youtube.com/channel/UCTtcMdhjdY8W393zHRonz5w

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
5.9	1.14	14.48	17.36

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Maintenance, Housekeeping and Write-off Policy

1. The Department which is in need of repair and maintenance work has to register a written complaint to the maintenance committee through respective HOD. The details of the maintenance work need to be mentioned.

2. Maintenance Person inspects the site and completes the task.

3. Once the task is completed, Head of Department signs the job Completion report.

4. Bill is generated and processed through the concerned authorities and forwarded through Principal for final payment.

5. All monthly maintenance bills are brought to the notice of the Principal.

6. The college has Annual Maintenance Contracts for Security and housekeeping.

Policies of Academic and Support Facilities:

Utilization and Maintenance of Class Rooms:

1. Classrooms are allotted as per the student strength.

2. Concerned departments are given responsibility for the maintenance of their class rooms.

3. Department Head, informs the maintenance committee regarding maintenance and requirement of repairs / cleanliness.

Utilization and Maintenance of Laboratories:

1. Laboratories are allotted for Practical session based on a timetable.

2. Standard Operational Procedures for handling various chemicals, equipments and instruments are to be strictly followed.

3. Stock register is maintained and updated regularly.

4. Stock verification and inspection has to be carried out by the departments at the end of the Academic Year.

5. Old and out-dated equipment's, chemicals and instruments are discarded by standard procedure.

Utilization and Maintenance of Computer Laboratories:

1. The computer laboratories are allotted to the students as per their curriculum requirement of SPPU

Respective Heads of the department prepare the schedules for allocating the computer labs to the students as per the timetables.

2. The maintenance of computer laboratories are taken care by laboratory In-charge and the system administrators take care of the repairs and maintenance of all computers

3. All outdated and under configured computers are disposed.

4. Additional requirements, if needed are processed through Governing body as per the proposal raised by the concerned Head of Department during budget proposal.

Utilization and Maintenance of Library:

1. The book list requirement is received from the concerned department as per their curriculum changes and as per the variation of intake.

2. The students are instructed to procure an Identity card to access the library.

3. Each student is allowed to take four books for the period of 15 days.

4. Each faculty borrows 15 books for each semester.

5. If student fails to return the book in time, fine has to be paid by the student.

6. All the functions of library i.e. book borrowing and lending etc. are monitored by fully automated library software.

7. Students can utilize the library daily on all working hours from 8.30 am to 5.00 pm as per their timetable and beyond working hours any one can access up to 6.00 pm.

8. Library reading room is open 24x7 hours during and before Exam (one month).

9. Every student can access online journals and magazines through Digital library.

10. Periodically, conditions of all the library books are monitored

https://www.mmcoe.edu.in/images/Maintenance_Housekeeping_and_Writeoff_Policy.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nil	Nil	Nil
Financial Support from Other Sources			
a) National	Nil	Nil	Nil
b) International	Nil	Nil	Nil
View File			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Expert lecture on "Career Guidance and Planning" by Mr. Ram Bende	68	68	Nil	Nil
2019	Guidance on GATE and GRE exam by 1. Mr. Prallhad Deshpande Gate Hub, Pune. 2. Mr. Mukesh	60	60	Nil	Nil
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	Engineering	Computer Engineering	The University of Iowa	Masters of Computer Science
2019	1	Engineering	Computer Engineering	Northwestern University	Masters of Science in Data Science
2019	1	Engineering	Information Technology	Dublin Business School	MSc
2019	1	Engineering	Information Technology	Cambrain College	M.S.
2019	1	Engineering	Electrical Engineering	MIT Pune	MBA, Marketing Management
2019	1	Engineering	Electrical Engineering	VIT Vellore	MTech, Power System
2019	1	Engineering	Electronics & Telecommunication Engineering	SRH university of applied sciences, Berlin Germany	M. Eng.
2019	1	Engineering	Electronics & Telecommunication Engineering	Cleveland State University, Ohio, US	MS
2019	1	Engineering	Electronics Telecommunication Engineering	CDAC, Hyderabad	DESD
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GRE	7

TOFEL	3
Any Other	4
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Dexterity 2K20	National Level	600
Ensemble 2K20	Institute Level	2516
FIT INDIA MOVEMENT	Institute Level	100
Khelostsav	Institute Level	200
Poetry Competition	State Level	2
Elocution Competition	State Level	2
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Student council is elected every year having the 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.

EESA: Electrical Engineering Students Association Activities Done during A.Y 2019-20: Aptitude test, Debate Competition, Extension Activity, Ganpati Aarti, Quiz competition, SE orientation program, Pitch Competition, TECH SHILPAM, TECH SPARK ACES: Association of Computer Engineering Students Teachers Day Celebration, Website Development workshop, Academic and Technical Assessment, Expert session on "ISACA certification Awareness", Doodling Art Competition.

ITSA: Information Technology Student Association Noop challenge workshop, Cyber security awareness session, SE orientation program, Teachers day and Engineers day celebration, Technical skill competition "KUSHAGRA"

MESA: Mechanical Engineering Student Association SE Welcome Function, Donation camp to help out needy people in Sangli and Kolhapur flooded Region, Guru Pornima and Teachers Day Function, Online Project Poster Competition, Online Technical Presentation Competition

BETA: Bench of Electronics Telecommunication Engineering Students Association BETA Committee Interviews, Social Activity: Collection of Flood Relief Fund for Sangavi and Kolhapur, Teacher's Day Celebration, 'Khelotsav': An intra-department sports competition, FE-ETC Students Induction, T-Shirt Distribution, Fund donation for COVID-19.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

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 Institute. - Connecting existing alumnus with Institute bridge the gap of communication between alumnus 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.

5.4.2 – No. of enrolled Alumni:

655

5.4.3 – Alumni contribution during the year (in Rupees) :

327000

5.4.4 – Meetings/activities organized by Alumni Association :

One Annual General Meeting is organized every year. Also, various activities have been carried out in the academic year 2019-2020, such as: 1. Tenth Annual General Meeting of ALUMNI ASSOCIATION for A.Y. 2019-20 was held on Saturday, 28/12/2019 in the college premises. 2. Conduction of Web-site development workshop by Rohan Thuse (Director, Shariwaa Solutions) dated on 24/7/2019 3. Conduction of Python add-on course by Mr. Omkar Pathak(Data Engg., Schlumberger) and Mr. Akash Nalawade (Sr. S/W Developer, Ellicium Solutions) dated on 20/9/2019 to 21/9/2019 4. Conduction of Code-mania 2k19 Technical event (Intercollegiate coding event) by Vikas Sanap, Abhinav Manohar, Mohammad Ali Shaikh ,Rahul Sharma and Jay Parekh on 21/9/2019 5. Conduction of Mock Interview Session for SE TE Computer Department students by Vikas Sanap, Devendra Urad, Mohammad Ali Shaikh, Rahul Sharma , Neeraj Mate and Akshay Kale on 27/9/2019 6. Organization of Industry visit for SE Computer Engineering Students by Rohan Thuse (Director, Shariwaa Solutions) on 30/9/2019 7. Conduction of Best Outgoing Students Interview 8. Conduction of Alumni scholarship Interview 9. Mr. Chetan Shinde, Director, Ashman Technical Pvt. Ltd. Pune, conducted Expert Technical Interview Session in Technical Round of FACE v1.0 under ISTE Chapter in MMCOE on 28/09/2019. 10. Mr. Chetan Shinde worked as a Project Guide and Sponsored BE Projects at ETC Department during SEM-I 2019-20. 11. Mr. Aditya Fuke, Mr. Pranav Auti, Mr. Prashik Taware and Mr. Shreyas Shetty conducted two day workshop on "PCB Designing" on 17/9/2019 and 18/9/2019 for TE Students at ETC Department. 12. Mr. Pranav Auti and Mr. Aditya Fuke conducted Guest Lecture on "PCB design and simulation in Proteus", held on 31/8/2019 13. Guest Lecture on "Things board - An IoT Platform" on 23/12/2019

14. Online Expert Session on Effective Implementation of Energy Audit Methodology by Mr. Himanshu Chawne on 16/4/2020 15. Mr. Jay Parekh conducted a live expert session on 'Django Framework' was organized on 2/5/2020 for TE Students. 16. Sudarshan Gaikwad (Batch 2014 IT) ,Diksha Dasture, Taher Poonawala ,Rohan jadhav,Dhanashree Nazarkar , Hempriya samdariya (Batch 2016 IT) conducted Expert Technical Interview Session in Technical Round of FACE v1.0 under ISTE Chapter in MMCOE on 28/09/2019. 17. Guest Lecture on "Selection process and preparation for PG" by Vishwajeet Gawali, Rohit Suryawanshi (Batch 2019 IT) 18. Two Days Workshop on Python Programming by Akmal Ziyad (Batch 2019 IT) on 28/9/2020 29/9/2020 19. Project Review and Seminar Review by Mr. Akmal Ziyad (Batch 2019 IT) on 25/04/2020

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Decentralization of work is essential for effective work completion. This also develops decision making capacity and leadership quality amongst the faculty and staff members. Management takes this initiative and actively contributes for excellence in quality and education. Institution has formulated different policies which are joint efforts of Management, Principal, Deans, HODs and faculties. Management is active and supportive for resolving any administrative or academic issues if any. They are involved in such activities through campus coordination committee (CCC), local management committee (LMC) and Board of Governance (BOG). IQAC cell tries to conduct various sessions on quality improvement strategies that provide guidelines to all faculty and staff members and helps in implementation. Quality in Academics is an important aspect for student's development. Academic Monitoring Committee (AMC) under Dean Academics takes efforts for it. Committee consists of faculty members from each department which is headed by a Functional head. It is meant for smooth and uniform conduction of academics throughout the institution. Overall functioning of AMC is as follows: 1. Yearly revision of Academic policy Document. 2. Preparation of Academic planner before commencement of new semester and circulation. 3. Preparation of Department Academic Calendar. 4. Conduction of staff audit. 5. Monitoring activities mentioned in planner are implemented accordingly. 6. Incorporate new innovative learning methodologies e.g. flipped classroom, virtual lab etc. Students are one of the important stakeholders of the institution. Technical event committee is formed under Dean Student affairs. It consists of faculty members from each department and student coordinators takes efforts for student's technical skill development. It organises various technical events and motivates students to be a part of it .This also develops leadership and team building quality amongst students.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	Institution takes care of students' interest to secure engineering admission. Such students are guided for queries related to admission in engineering discipline via counselling sessions and expert lectures.

	Admissions are done through Centralized Admission Process (CAP) rounds as per the schedule given by MSDTE.
Industry Interaction / Collaboration	The institution has formulated an Industry Institution Interaction (III) cell which works to bridge the gap between industry and institution. Every staff member is liasoned with industry through which students are facilitated for internship/placement/project guidance /guest lecturers/ industrial visit etc.
Human Resource Management	Staff requirements are obtained from all Heads of Department and reviewed by the Principal. Approval is taken from the management and Advertisement is given in leading newspapers and Institute website for conducting interviews by Local Staff Selection Committee. Annual appraisal of all faculties done by HOD and reviewed by the Principal. Annual increment decided by management based on annual appraisals.
Library, ICT and Physical Infrastructure / Instrumentation	<ul style="list-style-type: none"> • Library is using SLIM 21 software for Library Automation i.e. book borrowing and lending etc. are monitored by fully automated library software. • 8884 Book Titles, 30514 Book Volumes, • Library reading room is open 24x7 hours during and before Exam (one month). • 3885 NPTEL Videos are collected and stored in hard drive at college central library and are made available to students and faculty • 12688 E -Books (freely Available) are collected and made available to students • Every student can access online journals and magazines through Digital library • Subscription to Jaykar Library of Savitribai Phule Pune University • Students are provided Delnet library facility to refer available books. • The Institute has membership of ARAI for accessing rare and expensive resources • Institute has subscription of DELNET, NDL, J-gate. • To update themselves with the current news and latest technological developments, students and staff avail the facilities of Newspapers and magazines in the library • Library has Plagiarism checking software. • Internet leased line connection - connectivity speed improved and upgraded to 64 MBPS (1:1) • Course study material is shared on Google Apps

to students • Each classroom is equipped with LCD Projector and screen

- Along with laboratory experiments one additional virtual lab experiment is conducted.
- Campus security using surveillance cameras
- Strong room for Examination section
- Separate mess and canteen is made available.
- Development of New laboratories as per requirement new syllabus, industry support
- Fire fighting Smoke Detector

Research and Development

Research and Development cell is established in the institution for encouraging staff students to work on research ideas. Each department has a Centre of excellence in their research areas as per current trends in industry. Institute conducts expert Lectures and workshops to create awareness amongst Faculty and students. Faculty members are encouraged to fetch grants for research proposals funded by agencies like UGC, DST, AICTE, MNRE, SPPU (BCUD) etc. During A.Y. 2019-20 Institute faculties have filed 6 patents. Institute promotes and supports faculty and students for publishing their research work. In A.Y.2019-20, overall 59 papers are published in Indexed journals, 4 papers are published in conferences by faculty. Faculty has published 4 Books.

Examination and Evaluation

The performance of the student is assessed through the various examinations conducted in mid-semester (In-sem) and end-semester (End- Sem) examinations. For theory courses, the assessment is carried out by Online Examination for SE is of 50 marks and In-Sem Examination for FE/TE / BE is of 30 marks respectively. The End Semester Examination of 50 (for SE) and 70 (for FE / TE / BE) marks carries out the final assessment of each course. Since the mid-semester exam for SE is online, the assessment is computer based, whereas the assessment of FE /TE /BE InSem exam is carried out at CAP center at college level. The assessment of End Semester Examination is carried out at CAP center organized by the affiliating University for FE to BE. The continuous assessment of Lab Practicals, Tutorials, Project, Seminar and Term Work is based on attendance, preparation, participation and submission of work in the form of

report/journal. It is monitored and assessed by the subject teacher. At the end of the semester, Practical/Oral/Presentation exam is to be conducted and assessed jointly by an internal and external examiner appointed by the affiliating university. The schedule and the structure of the mid and end sem examination is prepared by the affiliating university and displayed on the college notice board.

Teaching and Learning

Academic coordinator of the department monitors the teaching learning process, and prepares a report which is periodically shared with the Institute Academic Coordinator. The academic coordinator monitors the following teaching learning activities: 1. Preparation of plan for lectures and practicals 2. Sharing of teaching material through Google apps 3. Conduct of lectures and practicals as per the time table 4. Coverage of the curriculum as per the syllabus 5. Conduct of the unit tests as per the plan 6. Conduct of Assignments as per the plan. 7. Continuous assessment (CAS) of the practicals 8. Conduct of project and seminar presentations 9. Analysis of test results Activities of the Academic monitoring are periodically reviewed by the Principal and Dean Academics and corrective actions are taken.

Curriculum Development

The Institute follows the curriculum approved by Savitribai Phule Pune University (SPPU). Our faculty members participate at various bodies of the university such as Local Inquiry Committee, University examinations and subject chairman who contribute in framing of syllabus regularly. Faculty participates in syllabus revision meeting and gives feedback to BOS if required. Institute has its own stakeholder's feedback policy in place. The purpose of this Policy is to provide a framework for obtaining, summarizing and documenting information on student and stakeholder perceptions of the quality and effectiveness of the Institute's curriculum. All feedback received from various stakeholders are summarized and analyzed. The recommendations are communicated to the BOS for curriculum revision.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	1. SLIM 21-Library Management Software 2. Delnet Software 3. ERP Software
Administration	1. SONIC WALL 2. CCTV System 3. Bio Matrix Attendance System 4. EPABX (Internal Landline System) 5. Bulk SMS pack
Finance and Accounts	Tally
Student Admission and Support	HDFC Bank Smart Hub For Online Payment of Admission fees by students

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
No Data Entered/Not Applicable !!!						
View File						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
View File				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
77	48	39	18

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
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<p>1. Financial support for publications (IEEE, Springer, ASME and Elsevier etc), conferences, FDPs and workshops 2. Contributory Provident Fund 3. Gratuity to staff 4. Medical leave and Earned Leave (applicable to eligible staff) 5. Maternity leave (applicable to eligible staff) 6. Appreciation on acquiring higher qualification and excellent University result of theory subject 7. Advance payment to staff member to meet their emergencies 8. MMM's Sevakanchi Patsanstha Ltd. (Employees Credit Co-operative Society):- Co-operative society works positively for the welfare of the employees and their family members by providing scholarships for education of employee's children, monetary help for medical purposes, group insurance, 9. Covid Kavach Medical Insurance. 10. Gymnasium facility</p>	<p>1. Contributory Provident Fund 2. Gratuity to staff Medical leave and Earned Leave (applicable to eligible staff) 3. Maternity leave (applicable to eligible staff) 4. Advance payment to staff member to meet their emergencies 5. Gymnasium facility 6. MMM's Sevakanchi Patsanstha Ltd.(Employees Credit Co-operative Society):- Co-operative society works positively for the welfare of the employees and their family members by providing scholarships for education of employee's children, monetary help for medical purposes, group insurance, 7. Covid Kavach Medical Insurance</p>	<p>1. Institution provides fee waiver scheme to economically weaker students 2. Payment of fees in installments is allowed to the needy students 3. Institution implements 'Earn and Learn' scheme for the students 4. Institution offers prizes to students showing remarkable performances in co-curricular and extracurricular activities 5. Institution provides financial support to participate in co-curricular and extra-curricular activities such as SAEINDIA BAJA Club, ROBOCON Club, SAEINDIA Efficycle Club, SAEINDIA SUPRA Club, ZENITH ASTRONOMY CLUB Club, ALERIOS AEROCUB etc. 6. The Institution has provided a platform to the students to gain scholarship through ISHRAE 7. Scholarship is made available to needy and economically weak students by Alumni Association</p>
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6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

1. The institute regularly conducts Internal and external financial audit of Institution with proper procedure and management permission. 2. Institution prepares the budget well in advance for the forthcoming financial year. It is allocated under different heads like lab equipments, consumables, furniture and fixtures, research and development ,general / miscellaneous / any other items 3. Internal audit is an ongoing continuous process in addition to the external auditors to verify and certify the entire Income and Expenditure of the Institute each year. 4. 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. 5. Institution carried out an internal audit in every financial year. Internal audit for the year 2019-20 was done 1th march 2020 by internal auditor Munde Shah Co. An external audit is also carried out in every financial year. External audit is done on 5 July 2020 by Krishna Rawas and Associates.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
View File		

6.4.3 – Total corpus fund generated

10000000

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External experts	Yes	Academic Monitoring Committee, HOD, Dean Academics
Administrative	Yes	External experts	Yes	Principal, Dean, HOD

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

<p>1. Parent Teacher meeting is arranged for appreciation and assessment of student's result, CO, PO and guidance support is given to students. 2. Industrial visits at various departments are arranged to discuss various current trends in companies. 3. Parents and Alumni visited to campus for various activities like, sponsored BE-projects, speakers in FDP's/workshops, conducting various workshops/guest lectures.</p>
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6.5.3 – Development programmes for support staff (at least three)

<p>1. Meditation programme for supporting staff by counsellor. 2. Annual Cultural programme for faculties (Gavaksh 2020 and Unmesh 2020). 3. Blood donation camp was organized on 14/08/19 and 26/02/2020. 4. Organised expert talk on Women's day.</p>

6.5.4 – Post Accreditation initiative(s) (mention at least three)

<p>1. Successfully completed NBA accreditation for 2 programmes (Mechanical Electrical) 2. Successfully received permanent affiliation of Savitribai Phule Pune University, Pune and applied for 2(f) and 12(B) of UGC Act 1956 3. Enhancement in Marathwada Mitra Mandal Centre for Invention, Innovation and Incubation (MMCI) facilities</p>

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Lecture Series Dr.	10/08/2019	10/08/2019	10/08/2019	30

	Shubhada Nagarkar Dr. Ashutosh Marathe				
2019	Prof. Yajuvendra Mahajan Lecture, Deepstambh Work	28/09/2019	28/09/2019	28/09/2019	82
2019	IQAC Meeting Term -I	09/11/2019	09/11/2019	09/11/2019	22
2019	New Education Policy Discussion by various speakers	07/12/2019	07/12/2019	07/12/2019	73
2020	IQAC Meeting Term -II	16/05/2020	16/05/2020	16/05/2020	21
2020	Webinar on Research Paper Publication by Dr. Ashutosh Marathe	26/05/2020	26/05/2020	26/05/2020	92
2020	Inauguration of IEEE Student branch for all departments	23/05/2020	23/05/2020	23/05/2020	40
2020	Webinar on Hackathon under IEEE Student Branch	23/05/2020	23/05/2020	23/05/2020	89
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
International Yoga Day Celebration	21/06/2019	21/06/2019	31	32

Palkhi Sohola and Swachata Abhiyan	26/06/2019	27/06/2019	28	49
Ganesh Festival and Nirmalay Event	02/09/2019	08/09/2019	16	44
Police Mitra activity during Ganesh Utsav	12/09/2019	12/09/2019	13	21
NSS WINTER CAMP	23/01/2020	29/01/2020	19	45
'Ensemble 2K20' Annual Cultural Event	17/02/2020	18/02/2020	793	1723
'Dexterity 2K20' - National Technical Event	20/02/2020	20/02/2020	172	428
Udaan 2K20, Technical event for FE students	20/02/2020	20/02/2020	30	50

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Power requirement per month 26,000 units/month Power requirement met through renewable energy sources (Solar Thermal System) 4500 units/month Percentage of power requirement of the college met by the renewable energy sources (4500/26000) X 100 Total saving 17 of total power requirement Following are alternate energy sources used in the Institution – ? Vermicompost system ? Solar Power Plant ? Solar Thermal System

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	No	Nil
Rest Rooms	Yes	2
Scribes for examination	Yes	Nil
Special skill development for differently abled students	No	Nil
Any other similar facility	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to	Number of initiatives	Date	Duration	Name of initiative	Issues addressed	Number of participating
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	address locational advantages and disadvantages	taken to engage with and contribute to local community					students and staff
2019	1	1	25/04/2019	365	Tie-up with Hospital	MOU is signed for Medical emergency services	2641
2019	1	1	26/06/2019	02	Palkhi Sohala and Swachata Abhiyan	Cultural event -Importance of Palkhi and cleanliness	77
2019	1	1	07/07/2019	01	PET Exam	University work	325
2019	1	1	26/07/2019	01	Kargil Vijay Diwas with tribute Tree plantation	Importance of Kargil Vijay Diwas and tree plantation	25
2019	1	1	14/08/2019	07	Blood Donation Camp	Benefits of Blood donation to society	84
2019	1	1	02/09/2019	01	Nirmalya collecting after Ganesh Festival	Helps to reduce Pollution Control	60
2019	1	1	12/09/2019	01	Police Mitra activity during Ganesh Utsav	Traffic Controlling	34
2020	1	1	26/02/2020	1	Grocery Donation	Helping hands to Orphanage	11
2019	4	4	25/06/2019	67	Facilitation centre as per DTE	Registration for Admission process	827
2019	50	50	01/06/2	365	Pool		3000

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for MMCOE Students	15/06/2019	The code of conduct for students is published on the Institutional website. Web-link: https://www.mmcoe.edu.in/index.php/students-corner/code-of-conduct-for-students Also it is displayed at various places in the Institute premises and communicated to students.
Handbook On Human Values And Professional Ethics	15/06/2019	The Handbook on Human Values and Professional Ethics is published on Institutional website Web-link: https://www.mmcoe.edu.in/index.php/about-us/handbook-of-human-values-and-professional-ethics It is also accessible to all stakeholders.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. PUC Camp 2. E-Waste Collection 3. Plastic Free Campus 4. Vermi composting system 5. Paperless communication by using ICT tools 6. Tree Plantation

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Describe at least two institutional best practices Best Practice - I Title of the Practice - 'Professional Skills exposure to students' Best Practice -II Title of the Practice: 'Industry Institute Interaction'

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

https://www.mmcoe.edu.in/images/Best_practices_19_20.docx.pdf

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 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 SAEINDIA BAJA, ROBOCON, SUPRA, Efficycle, Aeromodelling. Consistent participation and evidence of success proves distinctiveness of the Institution across the globe. Students learn ethics, team building, technical skills, presentation skills, project management and financial management. They also experience their physical strength, healthy competition environment and global standards by participating in such globally recognized competitions.

Institution not only encourages students to participate but also provides financial support. Financial Support Provided by Institution: Sr. No. Event Institution Funding 1 SAEINDIA BAJA 2020 Rs. 2,84,735/- 2 SUPRA SAEINDIA 2019 Rs. 3,89,609/- 3 SAEINDIA Efficycle 2019 Rs. 87,643/- 4 ROBOCON Rs. 99,404/- 5 AERODESIGN Rs.23,600/- 6 Fee Waiver Scheme Rs. 7,39,170/- 7 Dexterity 2K20 Rs. 1,90,627/- 8 Ensemble 2K20 Rs. 7,53,490/- Total Funding Rs. 25,68,278/- Student Participation Sr. No. Name of Event Dates 1 ROBOCON-2019, IIT Delhi 16/06/2019 2 SUPRA SAEINDIA 2019, Delhi 15/07/2019 to 20/07/2019 3 AERODESIGN Challenge, Chennai 19/07/2019 to 21/07/2019 4 SAEINDIA Efficycle 2020, LPU, Punjab 01/10/2019 to 05/10/2019 5 BAJA SAEINDIA 2019, Pithampur, Indore, MP 22/01/2020 to 26/01/2020 Achievements • 'Team Rudra' of MMCOE secured AIR 11th in ROBOCON-2019 held at IIT Delhi on 16th June 2019. • 'Team Abhedya Racers' of MMCOE won Runner-up acceleration award worth Rs 20,000/- and secured AIR14th in SUPRA SAEINDIA 2019 event held at BIC, Delhi from 15th to 20th July 2019. • 'Team Alerios' of MMCOE secured AIR 26th in AERODESIGN Challenge held at Chennai from 19th to 21st July 2019. • 'Team ACHILLES' of MMCOE Secured AIR 6th and Won 5 Prizes worth Rs 60,000/- in SAEINDIA EFFI-CYCLE 2019 Competition held at LPU, Jalandhar, Punjab from 1st to 5th October 2019. • 'Team Abhedya' of MMCOE, secured AIR 4th in SAEINDIA BAJA held at Pithampur, Indore, MP. from 22nd to 26th January 2020.

Provide the weblink of the institution

https://www.mmcoe.edu.in/images/Institutional_Distinctiveness_19_20.pdf

8.Future Plans of Actions for Next Academic Year

1. Applied procedure for 2(f) and 12(B) of UGC Act, 1956 is in process.
2. Certification of ISO 9001:2015 in process.
3. Professional training programmes in different domains in collaboration with Tata Technologies at "Make It Happen Marathwada Mitramandal Centre for Invention, Innovation and Incubation (MMCIII)"
4. NBA accreditation for Computer Engineering
5. Post Graduate programme in Mechanical Engineering
6. Preparation for Autonomy.
7. Enhancement in faculty cadre ratio by appointing doctorate faculty and increase in number of internal doctorate faculty.
8. Research proposals through national/ international collaborations.