



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

1. Name of the Institution	MARATHWADA MITRA MANDAL'S INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	Dr. Rupesh V. Bhortake
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	+919850359802
Mobile no.	9049008003
Registered Email	principal@mmit.edu.in
Alternate Email	umesh.moharil@mmit.edu.in
Address	Survey No. 35, Plot No. 5/6, Vadgaon Shinde Road, Lohgaon, Pune - 411047
City/Town	Pune
State/UT	Maharashtra
Pincode	411047

<b>2. Institutional Status</b>																			
Affiliated / Constituent			Affiliated																
Type of Institution			Co-education																
Location			Urban																
Financial Status			private																
Name of the IQAC co-ordinator/Director			Dr. Anjali Joshi																
Phone no/Alternate Phone no.			+917447786623																
Mobile no.			9850826636																
Registered Email			iqac@mmit.edu.in																
Alternate Email			anjali.joshi@mmit.edu.in																
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)			<a href="https://www.mmit.edu.in/images/Documents/Final-MMIT-SSR-Submitted-Copy-26.2.18-9.30-pm.pdf">https://www.mmit.edu.in/images/Documents/Final-MMIT-SSR-Submitted-Copy-26.2.18-9.30-pm.pdf</a>																
<b>4. Whether Academic Calendar prepared during the year</b>			Yes																
if yes,whether it is uploaded in the institutional website: Weblink :			<a href="https://www.mmit.edu.in/images/Academic_Planner/Aca-Calendar-18-19-Sem-I-II.pdf">https://www.mmit.edu.in/images/Academic_Planner/Aca-Calendar-18-19-Sem-I-II.pdf</a>																
<b>5. Accreditation Details</b>																			
<table border="1"> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> <tr> <td>1</td> <td>A</td> <td>3.03</td> <td>2018</td> <td>16-Aug-2018</td> <td>15-Aug-2023</td> </tr> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	A	3.03	2018	16-Aug-2018	15-Aug-2023
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	A	3.03	2018	16-Aug-2018	15-Aug-2023														
<b>6. Date of Establishment of IQAC</b>			18-Feb-2016																
<b>7. Internal Quality Assurance System</b>																			
<table border="1"> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by</th> <th>Date &amp; Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries								
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Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries																	

IQAC		
Conduction of Academic and Administrative Audit	06-Aug-2019 1	70
Organized of IQAC Meeting (Sixth)	28-Sep-2018 1	20
Organized of IQAC Meeting (Seventh)	24-Apr-2019 1	20
Conduction of Internal Academic Audit	17-Apr-2019 1	40
Promoting faculties for Publishing research work	30-Jun-2019 1	3
Additional efforts for Institutional Branding and Campaining	30-Jun-2019 1	239
Constitution of Debate and Read Club	29-Aug-2018 1	746
Constitution of Marathwada Mitra Mandal Center for Invention, Innovation and Incubation (MMCIIII) by Marathwada Mitra Mandal Trust for its group of institutions including MMIT	06-Apr-2019 1	830
Organized Technosci Project Competition	19-Mar-2019 1	200

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**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
Institute - Marathwada Mitra Mandal Institute of Technology	Enterprenuership Awareness Camp (EAC)	DST - Science & Technology Park, Savitribai Phule Pune University	2019 03	14000
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View Link](#)

<b>10. Number of IQAC meetings held during the year :</b>	<b>2</b>
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	<b>Yes</b>
Upload the minutes of meeting and action taken report	<a href="#">View Uploaded File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>Yes</b>
If yes, mention the amount	<b>60000000</b>
Year	<b>2019</b>

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

A proposal is come out to introduce "Civil Engineering" course, which is forwarded to management for consent. After completing required formalities from AICTE, DTE and SPPU, with effect from Academic Year 2019 to 2020, new branch Civil Engineering is started.

Establishment of "Marathwada Mitra Mandal Center for Invention, Innovation and Incubation (MMCIII) jointly by Tata Technologies, Science Technology Park SPPU and Marathwada Mitramandal Trust, Pune with total investment of 18.6 Crore. MMCIII is functional from the current academic year. Faculties and Students of MMIT and all sister institutues under Marathwada Mitra Mandal Trust would be benefited by this initiative. During 2018 \_19, four faculties of MMIT have undergone FDP Product Design Development Concept to production from 6April to 12 April 2019 organized by MMCIII.

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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	Achivements/Outcomes
A proposal is come out to introduce "Civil Engineering" course, which is forwarded to management for consent.	After completing required formalities from AICTE, DTE and SPPU, with effect from Academic Year 201920, new branch Civil Engineering is started.
Establishment of "Marathwada Mitra Mandal Center for Invention, Innovation and Incubation" (MMCIII) jointly by Tata Technologies, Science & Technology Park SPPU and Marathwada Mitramandal Trust, Pune with total investment of 18.6 Crore.	MMCIII is functional from the current academic year. Faculties and Students of MMIT and all sister institutues under Marathwada Mitra Manal Trust would be benefited by this initiative. During 2018-19, four faculties of MMIT have undergone FDP organized by MMCIII.

Oranizing Annual Technical Event	In Annual Technical Event Samvitti is conducted along with participation of students from sister Institutes of Marathwada Mitra Manal.In this event Various competitions such as Paper presentations,Model Making etc. activities are carried out.				
Encourage and enhance Research Activities	Under BCUD Research Grant, three projects from Computer Engineering Department are selected with total grants of Rs. 6 Lacs. Total 9 Patents are filed and Published by Faculties and students.				
Implementation of E- Governance in administration for Administrative reforms	Development of inhouse ERP is started. Currently in ERP various modules such as admission process module,Attendance,Teaching Plan module etc.is completed.				
Conduction of Internal, External Academic & Administrative Audit	Internal and External Academic and Administrative audits are carried out by CEDA/ Independent Body of Invited Members.				
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14. Whether AQAR was placed before statutory body ?	Yes				
<table> <tr> <th>Name of Statutory Body</th><th>Meeting Date</th></tr> <tr> <td>College Development Committee</td><td>10-Aug-2019</td></tr> </table>		Name of Statutory Body	Meeting Date	College Development Committee	10-Aug-2019
Name of Statutory Body	Meeting Date				
College Development Committee	10-Aug-2019				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes				
Date of Visit	08-Aug-2018				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2019				
Date of Submission	02-Feb-2019				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	Yes. MIS is functional at the institutional level. The product iCloudEMS of Cloud Next Vision is used for MIS/ERP system. Institute is in				

process of developing inhouse MIS system. Currently, admission process module is completed. Below mentioned activities are run through MIS. (a) Student admission and related support activities (b) Sharing of Teaching Material (c) Students feedback about teaching process and institution (d) Library Management Software through SLIM 21 (e) Finance and Accounts through Tally

## 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

Institution is affiliated to Savitribai Phule Pune University (SPPU) and follows the curriculum prescribed by the university. Institution has a systematic initiatives for effective curricular planning, implementation and documentation. The curriculum is designed by the faculty of all colleges under the guidance of Board of Studies of University. The institution follows documented process for effective curriculum delivery and implementation as:

1. Before commencement of every academic year, academic planner of institution is prepared in accordance with academic calendar of university.
2. As per the institutional academic planner each department prepares detailed departmental academic calendar by incorporating semester commencement, examination schedule, department and institution level activities, workshops, guest/expert lectures, industrial visits, display of defaulter list and end of the semester etc.
3. Choices are invited from Faculty according their specialization and interest. Accordingly, due consideration is given to the competencies, experience and choice of the faculty members as well as University guidelines for teaching load. To finalize the elective subjects, students choice is taken into consideration.
4. Head of each department allocates the theory and laboratory courses to faculty members according to faculty choices.
5. Departmental time table coordinator prepares time tables class-wise, classroom-wise, laboratory wise and faculty-wise. These time tables are finalized by HoDs and college time table in-charge and approved by Principal, then circulated to faculty members and students. The timetables are also displayed on common notice board, website, Google Apps.
6. Theory and practical teaching plans, course files and lab manuals are prepared by the faculty members before start of semester.
7. The contents in the curriculum and beyond curriculum are delivered by faculties through classroom teaching, laboratory demonstration, project based learning, seminars, webinars, guest lectures, workshops, etc.
8. This institution is identified as Nodal Center for Virtual Labs under IIT, Bombay. Every faculty conducts the simulations of experiments involved in his/her course.
9. Industrial visits are organized to bridge the gap between curriculum and industry requirements.
10. The projects undertaken by the final year students help them to identify industry and social needs. A group of maximum 4 students is mentored by each faculty.
11. For a group of 15-20 students, one teacher is appointed as a Guardian Faculty Member (GFM) to monitor student's academic issues and overall progress.
12. Parent Teacher Meeting (PTM) is arranged in each semester to communicate the performance of their ward and to interact with the parents for academic progress of students.
13. Academic Monitoring Committee (AMC) monitors the progress of theory and laboratory courses. AMC

conducts academic audit regularly to ensure the quality of academics. 14. The slow and advance learners are identified based on their test performance and class room interactions. Extra efforts are taken by conducting additional classes. The remedial classes are also conducted for the slow learners to improve their results. 15. Views of experts from industry, academia, parents and alumni on curriculum are taken for improving teaching learning process and academics. Student feedback helps us to improve curriculum delivery.

#### 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
Goal Setting and Confidence Building	0	24/08/2018	2	Yes	Yes
Workshop on Angular JS	0	23/03/2019	1	Yes	Yes
Workshop on Blender: 3D Open Source Tool	0	02/03/2019	1	Yes	Yes
Workshop on LPII	0	22/09/2018	1	Yes	Yes
Workshop on Goal Setting and Confidence Building	0	29/08/2018	1	Yes	Yes
Workshop on Group Discussion and Personal Interview	0	03/10/2018	1	Yes	Yes
Workshop on Group Discussion and Personal Interview	0	04/10/2018	1	Yes	Yes
Aptitude Training	0	04/09/2018	7	Yes	Yes
Workshop on Group Discussion and Personal Interview	0	19/09/2018	1	Yes	Yes

#### 1.2 – Academic Flexibility

##### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Energy Engineering-402047)	15/06/2018

BE	Solar and Wind Energy-402050B)	15/06/2018
BE	Artificial Intelligence and Robotics-410242	15/06/2018
BE	Data Analytics-410243	15/06/2018
BE	Software Architecture and Design-410244[B]	15/06/2018
BE	Pervasive and Ubiquitous Computing-410244[C]	15/06/2018
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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	Cloud Computing 410253 [C]Elective IV [Computer Engineering]	15/12/2018
BE	Advanced Manufacturing Processes 402050[A] Elective IV [Mechanical Engineering]	15/12/2018
BE	Solar and Wind Energy 402050[B] Elective IV [Mechanical Engineering]	15/12/2018
BE	Product Design and Development 402050[C] Elective IV [Mechanical Engineering]	15/12/2018
BE	Finite Element Analysis 402044[A] Elective I [Mechanical Engineering]	15/06/2018
BE	Computational Fluid Dynamics 402044[B] Elective I [Mechanical Engineering]	15/06/2018
BE	Heating Ventilation and Air Conditioning 402044[C] Elective I [Mechanical Engineering]	15/06/2018
BE	Automobile Engineering 402045[A] Elective II [Mechanical Engineering]	15/06/2018
BE	Operation Research 402045 [B] Elective II [Mechanical Engineering]	15/06/2018
BE	Energy Audit and Management 402045 [C] Elective II [Mechanical Engineering]	15/06/2018



BE	Tribology 402049 [A] Elective III [Mechanical Engineering]	15/12/2018
BE	Industrial Engineering 402049[B] Elective III [Mechanical Engineering]	15/12/2018
BE	Digital Signal Processing 410244 [A] Elective I [Computer Engineering]	15/06/2018
BE	Software Architecture and Design 410244 [B] Elective I [Computer Engineering]	15/06/2018
BE	Pervasive and Ubiquitous Computing 410244 [C] Elective I [Computer Engineering]	15/06/2018
BE	Data Mining and Warehousing 410244 [D] Elective I [Computer Engineering]	15/06/2018
BE	Distributed Systems 410245 [A] Elective II [Computer Engineering]	15/06/2018
BE	Mobile Communication 410245 [D] Elective II [Computer Engineering]	15/06/2018
BE	Soft Computing and Optimization Algorithms 410252 [D] Elective III [Computer Engineering]	15/12/2018
BE	Human Computer Interface 410253[B] Elective IV [Computer Engineering]	15/12/2018

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

	Certificate	Diploma Course
Number of Students	501	0

### 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
FACE Aptitude Training	04/09/2018	35
Goal Setting and Confidence Building	24/08/2018	40
Career guidance in Indian Administrative Services	26/02/2019	30

Career Guidance	21/02/2019	50
Career in Java	20/02/2019	56
Insights of Aptitude	20/02/2019	54
AR/VR, IoT and Blockchain	12/02/2019	105
International Seminar on Data Science	30/01/2019	32
Career Opportunities in IT	10/09/2018	55
Career Opportunities in IT and Android Development	07/09/2018	44
Goal Setting and Confidence Building	28/08/2018	68
Personality and Career Development	03/09/2018	69
Workshop on Group Discussion and Personal Interview	19/09/2018	34
Workshop on Group Discussion and Personal Interview	03/10/2018	24
Workshop on Group Discussion and Personal Interview	04/10/2018	21
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#### 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	Mechanical Engineering	63
BE	Computer Engineering	27
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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
Every department has Department Advisory Committee (DAC) which comprises of Industrial Experts, Teachers, Alumni, Parents and Students. Every Department conducts meetings with these stakeholders every year with prior invitations to

all. Feedback is obtained from stakeholders during meeting for Institutional Facilities and Curriculum. Institution also has strong Guardian Faculty Member (GFM) mechanism. GFM mentors students for Academic as well as Non academic activities. GFM counsel students for all issues. Students also share feedback regarding Institutional Facilities and Curriculum. Feedback obtained from Department Advisory Committee(DAC) and GFM Meeting is being analyzed at Department, Institute Level. Institutional Facilities and Curriculum issues are sorted out. As per the feedback received from various stakeholders regarding institutional facilities an internal review is conducted. Efforts for improvements are made wherever necessary and possible. From this academic year (2018 19) the parameters for student feedback on Institutional and Course are redefined and it is conducted ONLINE through Google Apps Considering the opinions of Stakeholders, the introduction of new branch Civil Engineering has been proposed from Academic Year 2019 20 and it was suggested to IQAC for further follow up. Opinions and suggestions about curriculum enrichment/amendment received through stakeholders during DAC meetings are communicated to Board of Studies (BoS) members of Savitribai Phule Pune University at appropriate platform. Faculties participate in syllabus revision, implementation meetings and share the feedback given by stakeholders.

## 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
BE	FE Mechanical (Incl. TFWS)	126	53	26
BE	DSE Mechanical (Incl Lateral Entry)	106	69	60
BE	FE Computer (Incl TFWS)	64	64	49
BE	DSE Computer Separate Division	63	40	36
BE	DSE Computer Lateral Entry	31	32	26

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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
2018	746	0	46	0	46

### 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
46	46	8	15	3	7
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### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The institution has the student mentoring system through the Guardian Faculty Member (GFM) scheme for the batch of 15 to 20 students. The GFM scheme closely monitor every student's academic, co curricular and extra curricular performance and keep the record in Student Performance Evaluation Report (GFM Booklet). The GFM scheme also ensures that parents are regularly updated about their wards progress through whatsapp group. Sometime the GFM scheme look after the student's personal issues, psychological issues, hostel related issues, college facility related issues and report to concern authority. The Institution has also appointed professional counselors to address the personal, psychological and other problems of the students. The institution also formed the various committees to solve the problems of the student. The GFM scheme provide the assistance to apply for the scholarship provided by government and non government organizations for the student who are economically weaker. The Institution provides fee waiver facility to economically weaker students in order to support them to continue their education. The GFM scheme maintain the subject wise result of each student and if the there is a need of remedial coaching, it is reported to concern department. The GFM scheme also keep the record of student's interest in placement, entrepreneur, competitive examination or higher studies and provide the assistance to them. 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.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
746	46	1:16

## 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
45	46	0	12	5

### 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
2018	Mr. S. A. Agrawal	Assistant Professor	Publishing the patent in RSIGN: Intelligent Sign Device With Real Date and Time
2018	Ms. Uma Karanje	Assistant Professor	Publishing the patent in RSIGN: Intelligent Sign Device With Real Date and Time
2019	Dr. Anjali Jitendra Joshi	Associate Professor	Publishing the patent in SUCR

			Cutter Machine :Smart Underground Crop Root Cutter Machine
2019	Mr. D. M. Bhoge	Assistant Professor	Publishing the patent in SUCR Cutter Machine :Smart Underground Crop Root Cutter Machine
2019	Mr. S.G.Rathod	Assistant Professor	Publishing the patent in ISpray :Intelligent Thief Identifier Through UVGal Spray
2019	Dr.Anjali Jitendra Joshi	Associate Professor	Publishing patent in IOTITPCSystems: Intelligent Tire Pressure Control System with IOT Technology
2019	Ms. P. V. Deshmukh	Assistant Professor	Publishing patent in ISwitchIntelligent switch user IR receiver , Transmitter
2019	Mr. D. M. Bhoge	Assistant Professor	Completion of NPTEL Course, IIT Guwahati
2019	Mr. N. B. Dhamane	Assistant Professor	Completion of NPTEL Course, IIT Guwahati
2019	Mrs. T. S. Bhoje	Assistant Professor	Completion of NPTEL Course, IIT Guwahati
2019	Mrs. S. T. Shinde	Assistant Professor	Completion of NPTEL Course, IIT Kharagpur
2018	Mrs. D. J. Bonde	Assistant Professor	Reviewer for International Journal of Applied Science and Engineering(IJASE)
2018	Mr. A. S. Bhanage	Assistant Professor	Reviewer for Silicon Journal
2019	Dr. U. P. Moharil	Associate Professor	Editorial Board Member on International Journal for Advances Studies and Research Work
2019	Mr. S. G. Rathod	Assistant	Member of

		Professor	Advisory Committee of Guru Digitech Pvt. Ltd.
2019	Mr. U. L. Tupe	Assistant Professor	Member of Advisory Committee of Guru Digitech Pvt. Ltd.
2019	Mrs. P. N. Chanana	Assistant Professor	Patent in IKey: Intelligent key Pattern Active through Biometric
2019	Dr. Anjali Jitendra Joshi	Associate Professor	Evaluated PhD Thesis of RTM Nagpur University
2018	Dr. Anjali Jitendra Joshi	Associate Professor	Evaluated PhD Thesis of RTM Nagpur University
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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
BE	620324510	8	27/05/2019	23/07/2019
BE	620361210	8	27/05/2019	23/07/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Reforms adopted by the institution aims at testing the skills and knowledge acquired by students during the completion of course. Continuous evaluation is carried out by direct tools like MCQs, unit test, assignments, practicals, online examination, Insem examination and indirect tools like quiz, debate, survey, competitions and discussions. The reforms adopted by the institution are as follows: Online Practice Examination: The institution conducts practice for online multiple choice questions examination on MyExamo web portal. Students can create their own tests and can assess their own performance. Model answers with explanation are also provided for self assessment. Term End Examination: The institution conducts termend theory examinations at the end of the semester. This helps students to practice writing of theory paper as per the university examination pattern. Mock Oral and Practical Examination: These examinations are conducted to develop confidence among students to face university examinations which are evaluated by an external examiner. Retest: Students absent for the unit test and students with poor performance are advised to appear for a retest to improve their performance. Quiz: Technical quizzes are conducted to develop the interest about the subjects. Assignments: Assignments are given to students and their evaluation is regularly monitored by the subject teachers. Term work: Term work evaluation is carried out based on term work assessment sheet. It includes student's attendance, unit test marks and completion of lab journals. Also, when it comes to Project evaluation, it takes place at multiple levels, initially the students have to face a viva conducted by the respective department, post which, the candidate

will have to face another viva from industry expert. This also prepares the student to perform effectively in the viva conducted by SPPU.

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

The affiliating university (SPPU) provides the guidelines about academic schedule of the semester which includes the date of commencement and end of the semester, schedule of examinations, etc. At the beginning of every semester Academic Monitoring Committee under Dean Academics prepare an academic planner for the institution. After approval of the academic planner by the principal, 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, 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 first year and second year engineering students to practice university online examinations. Unit tests are conducted in the midterm for the third and fourth year engineering students to practice for university insem theory examinations. The subject teacher prepares a monthly attendance report and the same is conveyed to students for further improvement. 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 to meet the academic deadlines.

## 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.mmit.edu.in/index.php/mechanical-engineering/b-e-mechanical/sppu-course-objective>

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
620324510	BE	Computer Engineering	90	89	98.88
620361210	BE	Mechanical Engineering	179	158	88.26
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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.mmit.edu.in/images/IOAC/Student-Satisfaction-Survey.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
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Industry sponsored Projects	10	ACME HITech Industries	0.2	0.2
Industry sponsored Projects	6	Gateej Engineering Company	0.15	0.15
Industry sponsored Projects	10	Rajvimal Group of Engineering Services	0.18	0.18
Industry sponsored Projects	13	Prachi fixtures Pvt. LTD.	0.4	0.4
Industry sponsored Projects	8	Mtech Design Solution, Bhosari ,Pune	0.2	0.2
Industry sponsored Projects	8	Sude Engineering Corporation, Dhanore, Pune	0.45	0.45
Industry sponsored Projects	9	Sude Engineering Corporation, Dhanore, Pune	0.25	0.25
Industry sponsored Projects	9	Sude Engineering Corporation, Dhanore, Pune	0.1	0.1
Industry sponsored Projects	6	Protech Smart Solutions	0.25	0.25
Industry sponsored Projects	8	Kirtee Engg Works	0.3	0.3
Industry sponsored Projects	11	Technocrat Solutions	0.75	0.75
Industry sponsored Projects	11	IS tron India Pvt.Ltd.	0.13	0.13
Industry sponsored Projects	11	Indian Biodiesel corporation	0.13	0.13
Industry sponsored Projects	11	Indian Biodiesel corporation	0.17	0.17
Industry sponsored Projects	8	wibro Feed Tech and Automation centre Pvt. LTD	2	2
Any Other	3	Science and	0.14	0.14



(Specify)		Park SPPU Pune		
Any Other (Specify)	60	TATA Technologies and Science and Technology Park, SPPU, Pune	600	600
Total	60	All	604	604
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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
IPR : Challenges	Computer Engineering	19/10/2018
Career Opportunities in IT Android Development	Computer Engineering	07/09/2018
Faculty development Program on Introduction to Python	Computer Engineering	31/01/2019
Faculty development Program on IPR:Issues,challenges New trends Reasearch Methodology	Computer Engineering	19/10/2018
Workshop on Aeromodeling	Mechanical Engineering	23/03/2019
Seminar on Virtual Lab	Computer Engineering	08/09/2018
Workshop on Angular JS	Computer Engineering	27/03/2019
Workshop on Blender: 3D open source tool	Computer Engineering	02/03/2019
Workshop on LPPII	Computer Engineering	22/09/2019
Career guidance in Indian Administrative services(MPSC/UPSC)	Computer Engineering	26/02/2019
Seminar on Career Guidance	Computer Engineering	21/02/2019
Seminar on Career in JAVA	Computer Engineering	20/02/2019
Seminar on Insights of Aptitude	Computer Engineering	20/02/2019
Seminar on AR/VR IOT Blockchain	Computer Engineering	12/02/2019
International Seminar on Data Science	Computer Engineering	30/01/2019
Seminar Career Opportunities in IT	Computer Engineering	10/09/2019
Seminar on Review of Automotive and Aerospace Materials	Mechanical Engineering	27/02/2019

### 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
Member of Advisory Committee	Prof. U. L. Tupe	Guru Digitech Pvt. Ltd.	22/11/2018	National
Gokart Design, Fabrication and Racing Competition	MMIT, Lohgaon Pune	RKDF University, Bhopal	13/12/2018	National
Student Kart Design Challeng (SKDC 2018)	MMIT, Lohgaon Pune	Society of Mechanical and Automotive Engineers (SAME), Hyderabad	20/09/2018	National
Natitional Super Karting Championship 2018	MMIT, Lohgaon Pune	SR Motorsports in association with Mahakal Institute of Technology, Ujjain, Madhya Pradesh	27/09/2018	National
Jaipur Street Karting Competition (JSKC) 2019	MMIT, Lohgaon Pune	Arya College of Engineering, Jaipur, Rajasthan	19/01/2019	National
Aravali Terrain Vehicle Champainship (ATVC) 2019	MMIT, Lohgaon Pune	Arya College of Engineering, Kota, Rajasthan	29/03/2019	National
Auto India Racing Championship (AIRC) 2019	MMIT, Lohgaon Pune	AIRC Wagholi Pune	24/03/2019	National
Mega ATV Champainship 2019	MMIT, Lohgaon Pune	Autos Ports India Ltd. At Goa	20/03/2019	National
Completed NPTEL course in Kinematics of Mechanisms and Machines with ELITE category	Prof. D. M. Bhoge	NPTEL Online certification by IIT Guwahati	16/03/2019	National
Completed NPTEL course in IC Engines and Gas Turbines with ELITE category	Prof. N. B. Dhamane	NPTEL Online certification by IIT Guwahati	27/04/2019	National
Completed		NPTEL Online	30/04/2019	National

NPTEL course in Internet of Things with Elite gold Top toppers 5	Prof.T.S.Bhoye	certification by IIT Guwahati		
Completed NPTEL course in Programming in Java with Elite gold Top toppers 5	Prof. S. T. Shinde	NPTEL Online certification by IIT Kharagpur	31/05/2019	National
Member of Advisory Committee	Prof. S. G. Rathod	Guru Digitech Pvt. Ltd.	15/11/2018	National
Reviewer for Silicon Journal (Springer)	Prof. A. S. Bhanage	Silicon Journal	21/09/2018	International
Reviewer for International Journal of Applied Science and Engineering (IJASE)	Prof.D.J.Bonde	IJASE	06/01/2018	International

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### 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
MMCI	Center for Invention, Innovation and Incubation (CIII)	Tata Technology Ltd., Marathwada Mitra Mandal, Pune and Science and Technology Park, Pune	SKY OASIS	Exports and Imports	15/10/2018

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### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
57840	4000	2000

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

Name of the Department	Number of PhD's Awarded
NA	0

#### 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)



### 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
Numerical and Experimental Investigations on Flexural Fatigue Behaviour of Glass/Epoxy Composite and SAE 1040 Steel Tubes for Automotive Applications	Prof. Amol Bhanage	SAE Technical Paper	2019	3	1	Vellore Institute of Technology
DECOMPOSITION OF THE PRODUCT OF CYCLES BASED ON DEGREE PARTITION	Dr. S. R. Shaikh	Discussiones Mathematicae	2019	0	0	SPPU, Pune
Factorizations of the product of cycles	Dr. S. R. Shaikh	AKCE International Journal of Graphs and Combinatorics	2019	3	0	SPPU, Pune

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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	1	93	0	17
Presented papers	3	4	0	0
Resource persons	0	1	2	2

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### 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/	Number of teachers	Number of students
-------------------------	-------------------------	--------------------	--------------------

	collaborating agency	participated in such activities	participated in such activities
Reading Motivational Day on occasion of Birth Anniversary of Dr. A. P. J. Abdul Kalam	Library MMIT	4	40
Marathi Language Day	Library MMIT	4	127
International Yoga Day	NSS Unit MMIT	8	31
Street Play in Dindi:Pune to Pandharpur	NSS Unit MMIT	5	51
Blood Donation Camp_14_August_2018	NSS Unit MMIT	3	59
Visit and Donation to ZP school	NSS Unit MMIT	3	26
Visit and Donation to Orphanage Nihar	NSS Unit MMIT	3	27
NSS day Celebration	NSS Unit MMIT	3	113
Marathon Smart City Clean City	NSS Unit MMIT	2	30
NSS Special Camp at Vadgaon Ghenand	NSS Unit MMIT	10	50
Blood Donation Camp 26 Feb 2019	NSS Unit MMIT	5	50
World No Tobacco Day	NSS Unit MMIT	2	45
Tree Plantation	NSS Unit MMIT	3	40
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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
International Yoga Day	Recognition from Local News paper for press note	Lokamt news paper	31
Street Play in Dindi:Pune to Pandharpur	Recognition from Local News paper for press note	Sakal News Paper	51
Visit and Donation to ZP school and Ophanage home and conduction	Recognition from Local News paper for press note	Pudhari News Paper	102

of blood donation camp			
NSS Special Camp at Vadgaon Ghenand	Recognition from Local News paper for press note	Sakal News Paper	50
NSS Special Camp at Vadgaon Ghenand Village	Appreciation Certificate	Grampanchayat Vadgaon Ghenand	50
Blood Donation Camp 26th February 2019	Merit Certificate	Regional Blood Bank, Govt of Maharashtra	49
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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
Swachha Bharat Awareness and Slogan	NSS Unit MMIT	Street Play in Dindi, Pune to Pandharpur	8	51
Essay writing and Postar Drawing	NSS Unit MMIT	NSS Day 2018	3	113
Rally	MMIT	Helmet Awareness and traffic rules and regulations	20	200
Nirbhay Kanya Abhiyan	SDC, MMIT and SPPU, Pune	Nirbhay Kanya Abhiyan	4	50
Marathi Bhasha Sanvardha Pandharwada	SDC, MMIT and SPPU, Pune	Marathi Bhasha Sanvardha Pandharwada	23	71
Marathi Bhasha Gaurav Din	SDC, MMIT and SPPU, Pune	Marathi Bhasha Gaurav Din	10	172
Blood Donation Camp	NSS UNIT MMIT, Sasson Regional Blood Bank, Govt of Maharashtra	Blood Donation Camp	5	50
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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
Conduction of Practical on Metallurgical	30	RIT, Polytechnic, Lohgaon	1

Microscope			
Conduction of Robotics Workshop	50	PDEA Polytechnic, Hadapsar	1
Conduction of Robotics Workshop	71	Eklavya Polytechnic, Kothrud	1
Conduction of Robotics Workshop	27	R.I.T. Polytechnic, Lohgaon	1
Moodle software training	20	IMERT, Karvenagar	1
Seminar on Web Technology	60	GH Raison Institute of Technology, Wagholi, Pune	1
Session on Virtual Lab	60	R.I.T. Polytechnic, Lohgaon	1
Project Work	4	Protech Smart Solutions	180
Project Work	4	Kirtee Engg Works	224
Project Work	4	Technocrat Solutions	330
Project Work	4	ISTron India Pvt.Ltd.	330
Project Work	4	Indian Biodesel corporation	274
Project Work	4	Indian Biodesel corporation	270
Project Work	4	wibro Feed Tech and Automation centre Pvt. LTD	240
Project Work	4	ACME HiTech Industries	360
Project Work	4	Gateej Engineering Company	180
Project Work	4	Rajvimal Group of Engineering Services	300
Project Work	4	Prachi fixtures Pvt. LTD.	360
Project Work	4	Mtech Design Solution, Bhosari ,Pune	250
Project Work	4	Sude Engineering Corporation, Dhanore, Pune	270
Project Work	4	Sude Engineering Corporation,	270



		Dhanore, Pune	
Project Work	4	Sude Engineering Corporation, Dhanore, Pune	270
Project Work	4	In Source Technology	278
Project Work	4	ITA Connection Pvt. Ltd	278
Project Work	4	VST Infotech	278
Project Work	4	PROSOL Engineering and Services LL	278
Project Work	2	VST Infotech	278
Internship	1	Alfa Dies and Pattern Pvt. Ltd. Pune	367
Internship	1	Kakade Laser, Pune	15
Internship	1	SPARK Pvt. Ltd. Pune	35
Internship	1	Central Forensic Science Laboratory (CFSL), Kharadi, Pune	38
Internship	4	JSM Infotech	180
Internship	1	Notamedia Private Ltd.	150
Internship	1	Intershala	80
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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
Project Work	Garage on Wheels	Protech Smart Solutions	15/09/2018	15/03/2019	4
Project Work	Design Modification of Die Punch	Kirtee Engg Works	01/10/2018	04/06/2019	4
Project Work	Design Manufacturing of Fin tube type heat exchanger	Technocrat Solutions	01/07/2018	31/05/2019	4

Project Work	Multilevel Independent Two Wheeler Parking System	ISTron India Pvt.Ltd.	19/07/2018	04/06/2019	4
Project Work	To study the impact of Additive to improve performances of cotton seed Biodiesel	Indian Biodiesel corporation	18/08/2018	04/06/2019	4
Project Work	To study the impact of waste fried oil biodiesel and its blends on IC Engines	Indian Biodiesel corporation	18/08/2018	04/06/2019	4
Project Work	Plastic River Assembly ( Special purpose Machine)	wibro Feed Tech and Automation centre Pvt. LTD	21/07/2018	31/03/2019	4
Project Work	Automation in Linear Rig Welding Machine	ACME HITech Industries	20/07/2018	06/05/2019	4
Project Work	Design and Vibrational Analysis of Worm and Worm Wheel Gear Box	Gateej Engineering Company	20/12/2018	20/06/2019	4
Project Work	Design and Modification of Intake Manifold	Rajvimal Group of Engineering Services	30/08/2018	20/06/2019	4
Project Work	Design and development of the fixture for cylinder block	Prachi fixtures Pvt. LTD.	01/01/2018	01/02/2019	4
Project Work	Pharma Pneumatic Valve assembly Unit	Mtech Design Solution, Bhosari ,Pune	21/07/2018	31/03/2019	4
Project Work	Design and development	Sude Engineering	29/09/2018	04/06/2019	4

	of 3Way Diverter Damper	Corporation, Dhanore, Pune			
Project Work	Design and Analysis of Fabricated Butterfly Valve	Sude Engineering Corporation, Dhanore, Pune	29/09/2018	04/06/2019	4
Project Work	Design of Angle Seat Valve with E lectroPneuma tic Positioner	Sude Engineering Corporation, Dhanore, Pune	29/09/2018	04/06/2019	4
Project Work	Blockchain Based Forencics Analysis Secure Node Diagnosis Mechanism of Smart Grid	In Source Technology	18/08/2018	08/06/2019	4
Project Work	An Android Application to explore the impace of social media on human mentality	ITA Connection Pvt. Ltd	18/08/2018	08/06/2019	4
Project Work	Resume Extraction and Candidate Recruitment System	VST Infotech	18/08/2018	08/06/2019	4
Project Work	Automated Follow Cart	PROSOL Engineering and Services LL	18/08/2018	08/06/2019	4
Project Work	Deep Galaxy Convo lutional Neural Network	VST Infotech	18/08/2018	08/06/2019	2
Sharing research facility	Industrial Visit for subject unde rstanding	Engineering Cluster, Bhosari, Pune	02/02/2019	02/02/2019	41
Sharing research facility	Industrial Visit for subject unde rstanding	Arya Industries, Bhosari, Pune	09/02/2019	09/02/2019	50

Sharing research facility	Industrial Visit for subject understanding	Deepesh Pressings, Bhosari, Pune	09/02/2019	09/02/2019	50
Sharing research facility	Industrial Visit for subject understanding	Sai Service Wagholi, Pune	20/09/2018	20/09/2018	57
Sharing research facility	Industrial Visit for subject understanding	Jai Jinendra cold storage, Wadki Hadapsar, Pune	11/02/2019	11/02/2019	97
Sharing research facility	Industrial Visit for subject understanding	Lashkar Water Treatment, Yerwada, Pune	27/08/2018	28/08/2018	108
Sharing research facility	Industrial Visit for subject understanding	Katraj Dairy, Katraj, Pune	19/09/2018	19/09/2018	72
Sharing research facility	Industrial Visit for subject understanding	Pavana Hydro power Plant, Lonawala Pune	06/09/2018	06/09/2018	87
Sharing research facility	Industrial Visit for subject understanding	CDAC, Pune	27/09/2018	27/09/2018	60
Sharing research facility	Industrial Visit for subject understanding	Central Forensic Science Laboratory (CFSL), Khadki, Pune	31/10/2018	31/10/2018	26
Sharing research facility	Industrial Visit for subject understanding	ISRO, HAL, Bengleru	27/12/2018	28/12/2018	58
Sharing research facility	Industrial Visit for subject understanding	Quick Yes Infoteck, Pune	02/03/2019	02/03/2019	45
Sharing research facility	Industrial Visit for subject understanding	The Enthu, Pune	31/03/2019	31/03/2019	52
Internship	Training program on	Alfa Dies and Pattern	22/06/2018	07/07/2018	1

	Quality, Assembly and Design	Pvt. Ltd. Pune			
Internship	Plant Project	Kakade Laser, Pune	05/06/2018	20/06/2018	1
Internship	EToll Naka	SPARK Pvt. Ltd. Pune	16/06/2018	21/11/2018	1
Internship	Digital Forensic suiteCase Data Management Software	Central Forensic Science Laboratory (CFSL), Kharadi, Pune	23/07/2018	31/08/2018	1
on the job training	One Week Program on Product Design and Development	TATA TECHNOLOGIES SCIENCE PARK SPPU PUNE	06/04/2019	12/04/2019	5
on the job training	CNC Training Program	FINETECH ENGINEERS PUNE	17/12/2018	05/01/2019	25
on the job training	Training on NXUNIGRAP HICS and AUTOCAD	ASHOKA SYSTEMS PUNE	04/02/2019	22/03/2019	12
on the job training	Training on ROBOT PROGRAMMING AND PLACEMENT	PERFECT ROBOTICS PUNE	15/01/2019	31/01/2019	20
Internship	Design and Evolution of vibrating footwear for Navigation assistance to visually impaired people	JSM Infotech	01/09/2018	01/03/2019	4
Internship	HTML, CSS, PHP	Notamedia Private Ltd.	01/04/2019	01/10/2019	1
Internship	Tech Gadget Journalism and You tube video creating	Intershala	01/03/2019	20/05/2019	1
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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
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			students/teachers participated under MoUs
TATA TECHNOLOGIES SCIENCE PARK SPPU PUNE	06/04/2019	INDUSTRY INSTITUTE INNOVATION INVENTION SKILL DEVELOPMENT	5
FINETECH ENGINEERS PUNE	30/10/2018	CNC Training Program	25
Juniper Networks	16/08/2018	Guest Lecture	57
ASHOKA SYSTEMS PUNE	05/07/2018	NXUNIGRAPHICS AUTOCAD	12
PERFECT ROBOTICS PUNE	31/10/2018	ROBOT PROGRAMMING AND PLACEMENT	20
Animationwala	22/07/2018	Workshop	44
Think Quiant Software Pvt Ltd (Myexamo)	11/06/2018	online education	76
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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
79	52

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Others	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 patially)	Version	Year of automation

SLIM 21 System for Library Information and Management	Fully	3.0.0	2011
SLIM 21 System for Library Information and Management	Fully	3.5.0	2018

#### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	4259	528356	8	3403	4267	531759
Reference Books	2582	861478	4	3988	2586	865466
e-Books	760	40000	40	2000	800	42000
e- Journals	1	16000	0	0	1	16000
Digital Database	1	620156	1	8500	2	628656
CD & Video	5269	50000	11	2200	5280	52200
Library Automation	1	126000	0	0	1	126000
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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
Mr. Dinesh B Satre	MOCK CET TEST	Moodle Server	25/04/2019
Mr. Umakant L Tupe	ERP	Moodle Server	16/12/2018
Dr Umesh P Moharil	Students Feedback System	Moodle Server	17/06/2018
N B Dhamane	Applied Thermodyn amicsUnit5I C Engine Systems	ScreenCastOMatic Tool	11/04/2019
N B Dhamane	ThermodynamicsUni t6Psychrometry	ScreenCastOMatic Tool	10/10/2018
R P Polas	Centrifugal Compressor	ScreenCastOMatic Tool	22/10/2018
G L Allampallewar	Torsion	ScreenCastOMatic Tool	11/06/2019
S. G. Rathod	client side technologies	Using Microsoft office Tools	10/06/2019

S. G. Rathod	Website Development Process	Using Microsoft office Tools	10/06/2019
E.D.Kurhe	RadiationI	Using Microsoft office Tools	24/05/2019
E.D.Kurhe	RadiationII	Bandicam	24/05/2019
M.D.Bhise	Analysis of structure	Video capturing system	27/05/2019
M.D.Bhise	Rectilinear motion	Video capturing system	27/05/2019
Jitendra Bakliwal	Power Controllers	ScreenCastOMatic Tool	07/04/2019
Jitendra Bakliwal	Temperature Sensors	ScreenCastOMatic Tool	11/04/2019
K. S. Surawase	Issues in Sorting Algo in Parallel computer	Screen Recorder tool	17/10/2019
K. S. Surawase	MapReduce	Screen Recorder tool	17/10/2019
S.S.Mande	Personal Communication System(PCS)	Video capturing system	17/10/2019
Y.P.Warke	Introduction to Artificial Intelligence	DU Recorder	17/10/2019
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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	431	12	431	1	1	1	2	51	1
Added	0	0	0	0	0	0	0	0	1
Total	431	12	431	1	1	1	2	51	2

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

51 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
Lecture Capturing System	<a href="https://goo.gl/oePz7w">https://goo.gl/oePz7w</a>
Recording Facility	<a href="https://goo.gl/jjHo3K">https://goo.gl/jjHo3K</a>
E content NPTEL	<a href="https://www.mmit.edu.in/index.php/campus/library/nptel-video-lectures">https://www.mmit.edu.in/index.php/campus/library/nptel-video-lectures</a>



#### 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
4.78	5.21	95	100

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)

The institution has functional committee of 'Maintenance, Housekeeping and Writeoff' under Dean Administration for maintaining lab and support facilities. The responsibilities of maintenance are assigned to all the members of the designated committee. Physical verification of dead stock is done every year to check availability and loss of equipments. The process of dead stock verification is carried out by Stock Verification Committee. Laboratories: Preventive maintenance of laboratory equipments, electrical plumbing facilities, etc. is carried out to avoid premature failure of a facility or equipment, item, etc. Apart from this, routine maintenance like cleaning, lubrication etc. is carried out to ensure proper functioning of laboratory equipments. It is ensured that all the laboratory equipments are functioning as per the standards before commencement of each semester. In case the facility or lab equipment is damaged or not working properly, the responsible staff conveys the same to the Maintenance Committee through the Head and accordingly Maintenance Committee initiates the action to resolve the problem. If the situation demands, breakdown maintenance work is outsourced. Equipments which are beyond repair or have lost functional significance are writeoff according to the policy. Calibration of instruments is carried out as per standards and guidelines provided on it. Experimental setups and equipments are tested by faculty and lab assistant periodically. Computers : Computer maintenance, Electrical repairs and other maintenance work are carried out inhouse by lab assistants and in case if it is required, then maintenance work is outsourced. Library : The process of stock verification is mandatory for library. Copies of old periodicals are bound together on yearly basis. Few identified old books are rebound after inspection. Library integrated management software is upgraded through AMC. Sports ground and facilities: Sports ground maintenance include Leveling, Grass cutting, Line marking, Pitch renovation, Watering, Rolling, etc. Other maintenance: Repair and maintenance of the central facilities like DG set, transformer, RO plant, heavy duty digital copier, elevator, bore well pumps, CCTV, fire fighting system and water coolers, etc are carried out periodically. The garden of the institution is maintained by gardeners of external agencies on contract basis. The pH value and total hardness test of drinking water is carried out periodically by authorized external agencies. Housekeeping staff carry out routine cleaning activities like sweeping, sanitizing inside the campus regularly.

<https://www.mmit.edu.in/index.php/campus/maintenance-policy>

#### 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	MM Financial Support	47	1241066

Financial Support from Other Sources			
a) National	National Government Schemes	590	25922607
b) International	NIL	0	0
<a href="#">View File</a>			

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 implemetation	Number of students enrolled	Agencies involved
Bridge courses	01/10/2018	55	High Performance Computing, Enki Ecosystem, Srirang Karandikar, Founder and Partner
Bridge courses	10/10/2018	87	VHDL Programming Prof. Ila Sawant MMCOE
Career Counselling	07/09/2018	55	Career Opportunities in IT Android Development, Mr. Ajay Tambe, Tech Mahindra
Career Counselling	03/09/2018	69	1. Ms Sonali Gaikwad 2. Manish Goyal FACE
Career Counselling	05/09/2018	50	Cloud Computing and upcoming opportunities in the market, SKILLCertifica Ltd., Mr. Tarachand Dhoundiyal
Career Counselling	21/02/2019	23	Seminar on Career Guidance A.C.E Engineering Academy Mr. Ravindra Thube Faculty Admin 21Feb2019
Career Counselling	17/07/2018	76	Career Guidance seminar on Career Success Blueprint for Engineering students by Mr. Sunil R
Career Counselling	23/07/2019	41	Expert session on Career and Personality development by Mr. Sunil R.

Career Counselling	16/01/2019	211	Training and placement Induction by Dy. Director Rahul S. Jagtap for FE, SE, TE students
Career Counselling	20/02/2019	54	Insights of Aptitude By Mr. Manoj Mohite, Branch Coordinator, SME
Career Counselling	24/08/2018	40	Workshop on Goal setting and Confidence building by Dr. Sachin Bhide
Career Counselling	29/08/2018	68	Workshop on Goal setting and Confidence building by Supriya Pujari
Career Counselling	17/09/2018	79	Group Discussion and Personal interview
Career Counselling	11/04/2019	60	Seminar on Personality development by Hindustan Times
Soft skill development	28/09/2018	60	1. Mr. Gaurav Nikam 2. Mr. Nipun Kawale 1. Assistant Manager 2. Business Analyst Defour Analytics, Data Science
Guidance for competitive examinations	01/09/2018	82	"Higher Studies in Foreign Universities with Scholarship Opportunities" Mr. Zakir Shaikh, Director AM Consultancy
Guidance for competitive examinations	10/09/2018	68	Importance of GATE exam, 1. Mr. Mohan 2. Mr. Krishna Vani Institute
Guidance for competitive examinations	26/02/2019	30	Seminar on Career guidance in Indian Administrative services (MPSC/UPSC) DYSP, Maharashtra State Mr. Sudarshan Patil, DY
Career	10/09/2018	45	Career

Counselling			Opportunities in IT, Heena Shaikh, Syntel
Soft skill development	11/09/2018	50	Searching Sorting Techniques, Prof. K D Kharinar, MMCOE
Soft skill development	11/10/2018	91	Road Safety Ramesh Jadhav RTO, Pune
Soft skill development	12/02/2019	40	Seminar AR/VR IoT The Enthru Mr. Omkar Bhosale Owner, The Enthru
Soft skill development	30/01/2019	56	Introction to Core Java V3 Data Solution Mr. Dinesh Chavan Developer 30 Jan 31 Jan 2019
Soft skill development	30/01/2019	32	International Seminar Data Science Macauire University, Australia Prof. Steve Cassidy Associate Professor
Soft skill development	27/02/2019	30	Guest Lecture Knowledge based internships AcadFlip Mr. Saudagar Barde CEO
Bridge courses	11/10/2018	30	SQL Data Science Shared Services, Pune Sr. Trainer
Bridge courses	31/10/2018	26	Cyber Forensic Dr. S. Kaur Central Forensic Science Laboratory CFCL Director
Bridge courses	02/03/2019	15	Workshop Blende 3D Open Sourse Tool by Ms. U. B. Karanje
Bridge courses	07/02/2019	45	Product Design and Development by. Mr. Mahesh Khandagale Director Ashoka Systems
Personal Councelling	01/06/2018	2	Personal Counselling by Dr. Mrs. Dhanashree Ghare working as a Counsellor at Marathwada Mitra

			Mandal group of institutes. She has a Masters degree in Educational Psychology from the University of Pune
Bridge courses	27/02/2019	60	Automotive and Aerospace Materials Review by Mr. Vidyachand Galphade Virago Enterprises
Yoga and Meditation	21/06/2018	91	International Yoga Day: Yoga Session by Mrs. Meenakshi Ayyer, Mrs. Seema Goves, Mrs. Manisha Kulkarni.
Soft skill development	02/04/2019	40	Guest Lecture Animation Pipeline Animationwala.com Mr. Rajesh Khele Founder Director 02/04/2019
Soft skill development	26/03/2019	42	Seminar AWS Amazon Web services Mr. Amit Rawat Mr. Vishram Thatte Ms. Mulla Ilham Manager, AWS Academy
Remedial coaching	09/04/2019	13	SubjectThermodynamics (By faculty Prof. N.B. Dhamane)
Language lab	06/10/2018	90	Audit Course : Japanese Language Module 3, hummingbird web solutions Pvt Ltd,Mr. Nalin Vaidya
Bridge courses	22/09/2018	60	Hands on Workshop on Angular Js By Mr. Rushikesh Godase, VEga Innovations Pvt Ltd Pune
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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	Number of benefited students by career	Number of students who have passed in the comp. exam	Number of students placed
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		examination	counseling activities		
2018	Training and placements	250	230	3	102
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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
0	0	0

## 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
1 . EPAM 2 . Prototech 3 . Eternus 4 . Persistent 5 . Raja Software 6 . TCL 7 . Nineleaps 8 . Demandfarm 9 . Eleation 10 . Electronical FL 11 . Coriolis 12 . Go live Faster 13 . Bitwise 14 . 247Software 15 . Angular Minds 16 . Hindustan times 17 . Am	146	81	Boat Apprentice Measurewal Chromewell Engineering Pvt Ltd Addnode India	35	21
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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	bachelor of engineering	UG Mechanical Engineering	CDAC Advanced Computing Training	PG DIPLOMA CDAC

				School	
2019	6	bachelor of engineering	UG Computer Engineering	CDAC Adavanced Computing Training School	PG DIPLOMA CDAC
2019	1	bachelor of engineering	UG Computer Engineering	TATA Strive	Post Graduate Android App Diploma
2019	1	bachelor of engineering	UG Mechanical Engineering	Sunbeam Institute of Information Technology	PG
2019	2	bachelor of engineering	UG Mechanical Engineering	CADCAM GURU Solution Pvt Ltd	PG DIPLOMA
2019	1	bachelor of engineering	UG Mechanical Engineering	Goethe Institute	PG
2018	1	bachelor of engineering	UG Computer Engineering	Data Science	PG DIPLOMA
2018	1	bachelor of engineering	UG Computer Engineering	Diploma in Quikeys Infotech	PG DIPLOMA
2018	1	bachelor of engineering	UG Computer Engineering	Diploma in Manual Testing at Qpider	PG DIPLOMA
2018	1	bachelor of engineering	UG Computer Engineering	Diploma in DAC Sunbeam	PG DIPLOMA
2018	1	bachelor of engineering	UG Mechanical Engineering	Forbes Marshall Stream Engineering Center	PG
2018	1	bachelor of engineering	UG Mechanical Engineering	SPPU	MBA
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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
GATE	1
Civil Services	1
Any Other	1
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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
Cultural activity on Engineers Day	Institute Level	746
Cultural and Sport activity on Anubhuti Anual Function	Institute Level	746
Cultural activity on Teachers Day	Institute Level	746
Cultural activity on Womens Day	Institute Level	80
MM KARANDAK SPORTS	Institute Level	75
Cultural activity Street Play	Institute Level	40
Cultural activity on Traditional Day	Institute Level	746
Cultural activity on Ganesh Jayanti	Institute Level	746
Cultural and sport activity on Shivjayanti	Institute Level	746
Cultural activity on Welcome function	Institute Level	200
Cultural activity on Navaratri	Institute Level	746
Cultural activity on Farewell function	Institute Level	200
Cultural activity on Reading Motivational Day	Institute Level	746
Cultural activity on International Yoga Day	Institute Level	91
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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
2018	Table Tennis Girls Inter College open Tournament	National	1	0	18DCE014	Komal Gawade-DSE Comp
2018	Badminton Mix Doubles	National	1	0	16FCE006-17DCE002	Mahendra Bhanage-TE Comp, Shraddha



	Inter College open Tournament					Mali- TE Comp
2018	Badminton Boys Doubles Inter College open Tournament	National	1	0	16FCE006-18FME028	Mahendra Bhanage -TE Comp, Rajdeep Raut - TE Comp
2018	Carrom Boys Inter College open Tournament	National	1	0	15DME012	Shubham Dhanbhar- BE Mech
2018	Carrom Girls Inter College open Tournament	National	1	0	18DCE052	Akanksha Deshmukh- DSE Comp
2018	Sunita Singh Sanjay Kasliwal Memorial All India Fide Rating Chess Tournament	International	1	0	18FCE001	Akshat K ulshreshtha FE
2018	2nd Senior Federation Cup Indoor Cricket National Championship	National	1	0	17FME046	Aniket Pravin Thosar- SE Mech
2018	Atal Khel Mela 2018-19 Chess	National	1	0	18FCE001	Akshat K ulshreshtha- FE
2018	Inter Collegiate Chess	National	1	0	18FCE001	Akshat K ulshreshtha- FE
2018	22 nd Junior National Sepak Takraw Championship	National	1	0	18FCE005	Vaishnavi Pawar- FE Comp

2018	Inter Collegiate Badminton	National	4	0	"16DCE003 17DCE002 18DME009 18FCE075"	"Sharayu Bhagwat, Shradha Mali- TE Comp, Vidula Surywanshi- DSE Mech, Vaibhavi Kamlapurkar- FE Comp"
2018	Kaushal Bharat Carrom	National	1	0	18DCE014	Komal Gawade- DSE Comp
2018	Table Tennis Gents Inter College open Tournament	National	1	0	18DME082	Aniruddha Harchekar -DSE Comp

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

As per Maharashtra Universitys act, the Student Council is formed in the institution every year for the participation of students in academic and administrative bodies/committees to develop leadership qualities and teamwork. This council provides an opportunity to the student community to express their opinion about the institution and recommends the suggestions as per their expectations. This council ensures participation of maximum students in all curricular and extracurricular activities organized by the institution and SPPU. The academic topper students of each class are a member of this council.

A committee consists of General Secretary, Sports Secretary, Ladies Representative, and Cultural Secretary. Applications are invited from the interested students and scrutinized on the basis of academic performance, capabilities and followed by personal interviews. The role of these secretaries is to organize different activities related to academics, sports, cultural activities such as Annual Social Gathering "ANUBHUTI ", Project Competition " TECHNOSCI" and annual tech fest " SAMVITTI". The institutional committees have student representative that ensures the participation of students in all activities. This helps in maintaining transparency in the overall working of the institution.

Anti Ragging Committee: The student members of the antiragging committee help the fresher to improve their confidence through counselling.

Internal Complaints Committee: To provide moral support to the students to raise their grievance, if any. This brings transparency in the process.

Academic Monitoring Committee: It consists of class representatives of all branches along with faculty members to monitor and ensure discipline in academics. Alumni are invited to give their valuable suggestions that are incorporated for supporting the curriculum.

Grievance Redressal Committee: this committee solves the issues raised by student from time to time.

IQAC Committee: Students are actively participated in IQAC cell and gives inputs according to need.

College Development Committee: Students are actively participated in College Development Committee and gives strategic inputs for quality enhancement.

OBC Cell: To accumulate reports and information regarding the Government of India and the UGC orders of OBC.

SC/ST Cell: To accumulate

SC/ST reports/Problems and information regarding the Government of India and the UGC orders of SC/ST. Hostel Committee: The student members of the hostel committee ensure and communicate the security and amenities. Mess and Canteen Committee: The student members of Mess and Canteen Committee monitor quality, hygiene and variety of food. Sports and Gymkhana Committee: The student members of the Sports and Gymkhana Committee organize indoor and outdoor sports and ensure maximum participation. Student Welfare and Discipline Committee: The student members of the Student Welfare and Discipline Committee encourage students about their rights and responsibilities. Technical Events Committee: To plan and organize technical events. Extracurricular activities: To plan and organize extracurricular activities. Publication, Magazine, Brochure, News Letter: For publication of Magazine, Brochure, News Letter. Alumni Committee: The student members of the Alumni Committee organize Alumni meet every year and help to interact with regular students with the institute alumina by means of inspirational speech, guest lectures, gifts, etc. Library Committee: The student members put up their demands about learning material.

#### 5.4 – Alumni Engagement

##### 5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes. The institution has registered Alumni Association named as Alumni Association of Marathwada Mitra Mandal's Institute of Technology AAMMIT) and is registered with Assistant Registrar of Society, Pune Region, Pune (Registration number: Maharashtra/189/2017/Pune) as per the Maharashtra Government rules. Every year alumni meet provides a platform for the alumni to share their current experiences and to recall charming old memories. The Objectives of AAMMIT are: 1. To implement alumni suggestions for the overall improvements. 2. To increase liaison with industries. 3. Development of institution through financial support / gifts and non financial means. Nonfinancial Contribution of Alumni Association: The nonfinancial means through which alumni contribute the institution are : 1. Establishing Memorandum of Understanding (MoU) between the institution and alumni entrepreneurs 2. Suggestion and Support to Training and Placement Cell 3. To enhance teaching learning process through Expert/Guest Lectures 4. Interaction with students in the areas of career awareness and career planning 5. Participation in IQAC Cell to set the targets for the academic processes 6. Getting feedback from the alumni for improving the quality of education 7. Support in conduction of industrial visits at their organization 8. Giving inputs for syllabus revision as an advisory committee member. 9. Guidance to students for project work, latest technology, BAJA, ATV, GOKART and Robocon. 10. Job oriented training program under Value Added Courses. Financial Contribution of Alumni Association: Alumni also contributes for the development of the institution providing financial aid, donations in the form of pump accessories, engines, vehicles, project models, sensors, laptop, books, website development, etc. which in turn are utilized for the student development, lab development and infrastructure development. Alumni expressed their willingness to contribute in the best possible ways for the overall development of the institution. AAMMIT has generated Corpus money 2,27,000/ for development of students.

##### 5.4.2 – No. of enrolled Alumni:

900

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

227000

##### 5.4.4 – Meetings/activities organized by Alumni Association :

In the academic year, 2018 and 2019, the alumni association of the institution AAMMIT has organized two Alumni meets. The meeting of Alumni Association members along with invited alumni was conducted on 20th Oct 2018. Twenty number of members attended the meet out of 60 enrolled. The annual Alumni Meet was conducted on 16th March 2019. The meet was attended by 92 members out of total 900 enrolled students in AAMMIT. Activities organized by Alumni Association: 1. Seminar on Product Design Development by Mr. Mahesh Khandagale (Ashoka Systems) on 07th Feb 2019 2. Seminar on Career guidance in Indian Administrative Services (MPSC/UPSC) DYSP, Maharashtra State by Mr. Sudarshan Patil, DYSP on 26th Feb 2019 3. Seminar on Career Opportunities in IT, by Ms. Heena Shaikh, Syntel on 10th Sept 2018 4. Seminar on Career Opportunities in IT Android Development, by Mr. Ajay Tambe, Tech Mahindra on 7th Sept 18

## 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)

For smooth functioning, the institute has well structured organization and management system. The principal is head of the institute. The departments are headed by the departmental heads for handling day to day activities of the respective departments. The office operations are headed by Administrative Officer. College examination officer looks after all the examination related activities. Other academic and administrative responsibilities are divided among four deans viz., Academics, Administration, Research and development, Student affairs. To ensure participative and decentralized management, the various committees which are functional under these deans, are constituting stakeholders as a member. These committees responsibly work towards proper conduction of all activities. Following are two practices mentioned as example. Practice 1 Stock Verification Committee: Under the dean administration, stock verification committee is functional. This committee includes teaching and non teaching staff from all departments, as members. Committee is headed by a staff. The committee conducts physical verification of lab equipment and consumable items at regular interval and prepares its report, regarding any discrepancy. The discrepancy will be then resolved in consultation with respective lab in charge, stock verification committee and dean administration, with valid justification from the respective person. During the year 2018 19, the stock verification was conducted on 16 April 2019. Practice 2 Virtual Lab Committee: The institute is having virtual laboratory nodal center of IIT Bombay. In this regard, the virtual laboratory committee is functioning at the institute under dean academics. It consists of faculty from each department and one of them act as functional head. The committee carries out various activities such as promoting virtual lab usage and content development among students, staff as well as other nearby institutes etc. The committee also prepares and sends its activity report to IIT Bombay at regular intervals. Example: Under the authority of this committee virtual lab club is formed. The club comprised of staff members and student representative. This club is aimed at the development of virtual lab experiments, for which students participated at national level boot camp. This committee also continuously promotes and tracks usage of experiments conducted in virtual laboratories for different subjects.

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
Library, ICT and Physical Infrastructure / Instrumentation	(A) Library: 1. Use of "Slim" portal system for book transaction and information on books available in central library, 2. Book bank scheme for eligible students of SC Category, 3. 24 x 7 open reading room for study, 4. Addition of Ebooks in digital library. (B) ICT: 1. Video lecture preparation by faculty for critical part of syllabus and its sharing with students, 2. Use of smart classroom, 3. NPTEL Certificate courses for staff and students. (C) Physical Infrastructure: 1. Enhanced utilization of CCTV system for smooth functioning of activities in overall campus, 2. 24x7 open reading room for study purpose, 3. Improvement in Playground facilities.
Human Resource Management	1. Organization of FDP, workshops for teaching nonteaching staff, 2. Provision of funds to faculties for attending workshops, seminars, conferences etc., 3. Encouragement to staff for completing NPTEL online certification courses, 4. Institute's portfolio distribution to all faculties as per their respective expertise, 5. Use of biometric attendance of all staff for record keeping.
Industry Interaction / Collaboration	1. One faculty visit to one industry for achieving enhanced outcome in the form of industrial visit for students, placement, industry sponsored B.E. project, use of research facility, monetary sponsorship etc., 2. Organizing Guest Lecture by industry person for getting familiar with current technology and current industrial requirements, 3. Signing and executing MoUs with various organizations with various outcomes such as, final year projects, Technology Transfer etc.
Admission of Students	1. Promotion and implementation of Non government scholarships for eligible students, 2. Provision of online fees payment while admission, 3. Conduction of informative career guidance sessions across Maharashtra, for students willing to take admission at institute, 4. Conduction of Mock CET test/competition for H.Sc. students who are willing to take admission at the institute and felicitating the winners

with attractive prizes.

#### Curriculum Development

1. Faculty contribution in Syllabus Implementation Workshop, 2. Organizing guest lectures and workshops, bridging the gaps between curriculum and practical, 3. Add on courses conduction, 4. Virtual lab experimentation in coordination with IIT Bombay, 5. Participation in national level events viz. Baja, Gokart, Hackathon etc. by students, 6. Organizing industrial visit for application understanding related to curriculum.

#### Teaching and Learning

1. Use of ICT tools such as google class room NPTEL certification courses, 2. Google apps for subject information sharing, 3. Use of smart class room, 4. Model making and Demonstration in class room, 5. Arranging Hands on sessions such as PCB Design, 6. Virtual lab experimentation, 7. Exposure to industry applications by participating in industrial visits.

#### Examination and Evaluation

1. Continuous Assessment of students based on timely completion of assignments, neatness of writeups, asking oral questions, 2. Conduction of Unit Test and Term End Examinations followed by retest of poorly performed and absent students, 3. Conduction of University In sem Examination followed by discussion on specimen solution, 4. Conduction of University Term Work/Oral/Practical/Project examination after conduction of mock Oral/Practical exam, 5. Conduction of university End Sem Examination, 6. In case of reevaluation of obtained marks the photocopy of answersheet is reviewed by subject teacher.

#### Research and Development

1. Arranging Project competition, 2. Conduction of Technical event (Samvitti) which includes competitions viz., paper presentation, lathe war, circuit board designing, poster making competition, 3. Insisting students for industry sponsored projects for getting more exposure to industry work culture, 4. Receiving research grants by applying to research funding agencies (received rupees 5 lack 90 thousand), 5. Insisting students for publishing their project research work in scientific journals, 6. Encouraging staff to publish their research work in

journals, 7. Provision of funds to faculties for attending workshops, seminars, conferences etc.

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

E-governance area	Details
Planning and Development	1. SLIM 21Library Management Software, 2. ERP Software/Moodle portal, 3. Delnet Software.
Administration	1. Bulk SMS Pack, 2. SONIC WALL for Administration of website browsing, 3. CCTV System for smooth functioning of overall campus, 4. Bio Metric Attendance System for staff, 5. EPABX (Internal communication System), 6. Institute Website.
Finance and Accounts	1. Tally, 2. HDFC Bank Smart Hub For Online Payment of Admission fees by students.
Student Admission and Support	1. HDFC Bank Smart Hub For Online Payment of Admission fees by students, 2. Online admission form provision on institute website.
Examination	1. My Examo Software for conducting mock Online Exams.

#### 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
2019	Mr.MUKESH M. MORE	WORKSHOP ON MOODLE LINS AT MMCOE, KARVENAGAR, CONDUCTED BY IIT ON 15.03.2019.	NA	500
2019	Mr.UMAKANT L.TUPE	WORKSHOP ON MOODLE LINS AT MMCOE, KARVENAGAR, CONDUCTED BY IIT ON 15.03.2019.	NA	500
2019	Mr. EKNATH D. KURHE	WORKSHOP ON MOODLE LINS AT MMCOE, KARVENAGAR, CONDUCTED BY IIT ON 15.03.2019.	NA	500



2018	Mrs. TEJASWINI. S. BHOYE	FDP ON OPEN MP HELD ON 11 TO 12 JUNE 2018, AT MMCOE, KARVENAGAR	NA	350
2018	Mr. UMAKANT L.TUPE	FDP ON OPEN MP HELD ON 11 TO 12 JUNE 2018, AT MMCOE, KARVENAGAR	NA	350
2018	Mrs. KOMAL SURAWASE	FDP ON LAB. PRACTICE I HELD AT MIT KOTHRUD ON 10.07.2018,	NA	800
2018	Mrs. TEJASWINI. S. BHOYE	FDP ON LABORATORY PRACTICES II HELD ON 18.07.2018, AT D.Y.PATIL INSTITUTE OF ENGG. AKURDI, PUNE.	NA	800
2018	Mrs.DEVYANI J. BONDE	FDP HELD AT MITCOE, KOTHRUD, PUNE ON 11 AND 12 JULY 2018	NA	1600
2018	Mr. DINESH B. SATRE	FDP HELD AT MITCOE, KOTHRUD, PUNE ON 11 JULY 2018.	NA	800
2018	Mr.GIRISH L. ALLAMPALLEWAR	FEES FOR RESEARCH PAPER IN INTERNATIONAL JOURNAL OF MECHANICAL ROBOTICS AND PRODUCTION ENGINEERING PROJECT WORK DESIGN AND DEVELOPMENT OF 2 STAGE GEAR BOX PUBLISHED IN JUNE 2018.	NA	750
2018	Mr. DAYANAND YESANE	CONFEDERTION OF INDIAN INDUSTRY ( CII) FOR PARTICIPATION IN CII INDUSTRY ACADEMIA CONCLAVE 2018.	CONFEDERTION OF INDIAN INDUSTRY ( CII)	3540



2018	Mr.SIDDHESHWAR A. MULE	ONE DAY WORKSHOP ON KOHA AUTOMATE LIBRARY MANAGEMENT SOFTWARE INSTALLATION TRAINING AND SETUP LIBRARY HELD AT AIT DIGHI, ON 12.10.2018.	NA	500
2018	Mrs. REENA KOKANE	ONE DAY WORKSHOP ON KOHA AUTOMATE LIBRARY MANAGEMENT SOFTWARE INSTALLATION TRAINING AND SETUP LIBRARY HELD AT AIT DIGHI, ON 12.10.2018.	NA	500
2018	Mr. SWAPNIL CHOUDAHRY	FDP AT COMP DEPT ON 19 20OCT 2018	NA	995
2018	Mr.SUDHIR S. MORE	REGISTRATION FEE OF NPTEL EXAM.	NA	550
2018	Mrs. MEGHNA R. YASHWANTE	PAPER PRESENTATION 2ND IEEE INTERNATIONAL CONFERENCE ON POWER ELECTRONICS, INTELLIGENT CONTROL AND ENERGY SYSTEMS (ICPEICES) TO BE HELD ON OCT22 TO 24, 2018 AT DELHI 50 SANCTION	NA	2500
2018	Mrs. MANJULA A. ALLOLI	ONE DAY WORKSHOP ON VR AR APPLICATIONS HELD ON OCT27, 2018 AT SIMULATION CENTRE, BHOSARI 50 SANCTION.	NA	300
2018	Mrs. PURVA N. CHANANA	REGISTRATION FEE OF NPTEL	NA	550

		EXAM .		
2018	Mrs. SHWETAL K. PATIL	REGISTRATION FEE OF NPTEL EXAM .	NA	550
2018	Mrs. KOMAL SURWASE	REGISTRATION FEE OF WORKSHOP ON AUGMENTED REALITY MIXED REALITY ON 07TH DEC TO 8 TH DEC. 2018 AT MMCOE, KARVENAGAR.	NA	300
2018	Ms. UMA KARANJE	REGISTRATION FEE OF WORKSHOP ON AUGMENTED REALITY MIXED REALITY ON 07TH DEC TO 8 TH DEC. 2018 AT MMCOE, KARVENAGAR.	NA	300
2018	Mrs. PURVA N. CHANANA	REGISTRATION FEE OF FDP HELD AT MIT KOTHRUD ON 18.12.2018	NA	800
2018	Mrs. TEJASWINI S. BHOYE	FDP ON MACHIN LEARNING USING PYTHON HELD ON 27 TO 28 DEC. 2018, AT D.Y.PATIL SCHOOL OF ENGG.LOHGAON PUNE.	NA	500
2018	Mrs.DEVYANI J. BONDE	FDP ON MACHINE LEARNING USING PYTHON HELD ON 21 TO 22 DEC. 2018, AT MKKS CUMMINS COLLEGE OF ENGG. KARVENAGAR, PUNE.	NA	375
2018	Mrs.DEVYANI J. BONDE	FDP ON MACHINE LEARNING USING PYTHON HELD ON 13 TO 14 DEC. 2018, AT PCCOER RAVET,PUNE.	NA	600
2018	Mrs. SONALI S. MULEY	FDP ON MACHINE LEARNING USING	NA	375

		PYTHON HELD ON 21 TO 22 DEC. 2018, AT MKKS CUMMINS COLLEGE OF ENGG. KARVENAGAR, PUNE.		
2019	Mr. SUBHASH.G. RATHOD	FDP ON KEY ASPECTS OF CURRICULAM DESIGN AND CONTENT DELIVERY AT D.Y.P.AKURDI, PUNE ON 17.01.2019.	NA	250
2019	Mr. SUDHIR S. MORE	REGISTRATION FEES, TRAVELLING EXPENSES REFRESHMENT EXPENSES DURING PARTICIPATION IN VLABS BOOTCAMP AT AHMEDABAD ON 9TH JAN TO 13 TH JAN 2019.	NA	18190
2019	Mrs.DEVYANI J. BONDE	FDP ON KEY ASPECTS OF CURRICULAM DESIGN AND CONTENT DELIVERY AT D.Y.P.AKURDI, PUNE ON 17.01.2019.	NA	250
2019	Mr. AMOL S. BHANAGE	PARTICIPATION IN SIAT 2019 CONFERENCE TO BE HELD AT THE AUTOMOTIVE RESEARCH ASSOCIATION OF INDIA (ARAI) PUNE ON 16TH TO 18TH JAN 2019.	NA	7670
2019	Mr. DINESH B. SATRE	VLAB BOOT CAMP.	NA	5200
2019	Mr. J. M. BAKLIWAL	CONFERENCE IEEE ICKDST 19.	NA	800
2019	Mr.DAYANAND P. YESANE	WORKSHOP ON MOODLE LINS AT MMCOE, KARVENAGAR,	NA	500

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IIT ON  
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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)
2019	Short Term Training Program (STTP) on Development of Laboratory Instruction Manual	Short Term Training Program (STTP) on Development of Laboratory Instruction Manual	04/02/2019	08/02/2019	32	11
2019	Two days Faculty development Program on Introduction to Python	Nil	31/01/2019	01/02/2019	59	0
2018	Three days Faculty development Program on IPR:Issues ,challenges New trends Reasearch Methodolog y	Nil	19/10/2018	21/10/2018	40	0
2018	Guest Lecture on Emerging areas in Chemistry: Nano Green Chemistry	Guest Lecture on Emerging areas in Chemistry: Nano Green Chemistry	17/12/2018	17/12/2018	25	2
2019	Nil	Staff De velopment Program on Advance Excel	01/02/2019	02/02/2019	0	40

2019	Guest Lecture on Infinite Power of Mind Stress Free Life	Guest Lecture on Infinite Power of Mind Stress Free Life	23/02/2019	23/02/2019	27	19
2019	International Seminar on Data Science	International Seminar on Data Science	30/01/2019	30/01/2019	10	1
2019	Career Guidance in Indian Administrative Services	Career Guidance in Indian Administrative Services	26/02/2019	26/02/2019	10	1
2019	Aeromodeling Workshop	Aeromodeling Workshop	23/03/2019	23/03/2019	3	1
2019	Short Term Training Program (STTP) on NBA Accreditation	Short Term Training Program (STTP) on NBA Accreditation	22/04/2019	26/04/2019	43	19
<a href="#">View File</a>						

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
Workshop on Artificial Intelligence Deep Learning	1	06/10/2018	08/10/2018	2
Image classification with digits, Object detection with digits	1	08/10/2018	08/10/2018	1
International Conference on Power Electronics, Intelligent Control and Energy Systems	1	22/10/2018	24/10/2018	3
Virtual	1	27/10/2018	27/10/2018	1

Reality and Augmented Reality(Workshop)				
National symposium on Innovations in Teaching Learning Process	2	08/12/2018	08/12/2018	1
Modern Pedagogy and Recent Technological Development	1	10/12/2018	14/12/2018	5
FDP in Entrepreneurship	1	10/12/2018	21/12/2018	12
FDP on Machine Learning using Python by PCCOER	1	13/12/2018	14/12/2018	2
Hand on Workshop on Artificial Intelligent and Deep learning by Bennett University, Noida, India	1	27/12/2018	28/12/2018	2
FDP on Machine Learning Using Python	1	27/12/2018	28/12/2018	2
NPTEL Workshop	3	29/11/2018	29/11/2018	1
Annual Planning Workshop	1	30/08/2018	30/08/2018	1
NPTEL Online Certification Course	2	01/01/2019	27/04/2019	120
Effective Teaching Methodology for Engineering Mechanics	1	03/01/2019	05/01/2019	3
Implementation of Revised Syallabus of Industrial Engineering	1	09/01/2019	09/01/2019	1
5 Day National	1	09/01/2019	13/01/2019	5

Bootcamp/STTP				
Syllabus Implementation Workshop for the subject Energy Engineering of BE Mech 2015	1	11/01/2019	11/01/2019	1
Workshop on Key Aspects of Curricula Design and Content Delivery by D Y Patil Akurdi	2	17/01/2019	17/01/2019	1
Advance Excel	1	01/02/2019	02/02/2019	2
Computer Aided techniques in Electrical Engineering	1	12/02/2019	13/02/2019	2
Workshop on Promotion of Autonomous Colleges Scheme	1	11/03/2019	11/03/2019	1
Workshop on Moodle Learning Management System	1	15/03/2019	15/03/2019	1
International Conference on Civil, Mech Industrial Engg	1	29/03/2019	30/03/2019	2
Workshop on Women in ResearchThe opportunities ahead	1	11/05/2019	11/05/2019	1
STTP through ICT Mode on NBA Accreditation	27	22/04/2019	26/04/2019	5
STTP on Development of Laboratory Instruction and Manual	29	04/02/2019	08/02/2019	5
FDP on Intellectual Property Rights: Issues, Challenges, New Trends Research Methodology	21	19/10/2018	20/10/2018	2

FDP on Introduction to Python Programming	9	31/01/2019	01/02/2019	2
FDP on Product Development Concept to Production	4	06/04/2019	12/04/2019	7
FDP on Teaching Techniques	4	24/05/2018	25/05/2018	2
FDP on Open MP	1	11/06/2018	12/06/2018	2
FDP on Laboratory Practice I by MIT Kothrud	3	10/07/2018	12/07/2018	3
FDP on Laboratory Practice II by D.Y.Patil Akurdi	1	16/07/2018	18/07/2018	3
FDP in Entrepreneurship	1	17/09/2018	29/09/2018	12
Workshop on eSim	1	21/09/2018	21/09/2018	1
Wheebox Employability Skill Test	1	25/09/2018	25/09/2018	1
Technical Event CodeEve 2k19	1	28/09/2018	28/09/2018	1
Workshop on The art of Writing a Research Paper Research Proposal	1	04/10/2018	04/10/2018	1
NPTEL FDP on Educational Leadership	1	01/08/2018	30/09/2018	60
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
34	46	32	38

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
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Financial assistance in academic development of faculty, Special leave for wedding of staff , Official leave for doing Research, Group Insurance Policy, Bus facility, Staff quarters facility, Advance Salary, Fixed leaves as per norms, Medical leaves and facility, Maternity leaves, Loan facility, Appreciations, Employee Provident Fund (EPF), RO Purified water facility	Special leave for wedding of staff, Group Insurance Policy, Bus facility, Advance Salary, Staff quarters facility, Fixed leaves as per norms, Medical leaves and facility, Maternity leaves, Loan facility, Appreciations, Employee Provident Fund (EPF), RO Purified water facility	Bus facility at reasonable cost, Earn learn scheme, Fees waiver to financially weak and eligible students, Encouraging students for participating in sports events by funding entry fees, Online fees payment option provided on institute website for facilitating fees payment, Fees payment available in installments, Flexible library timings, Operating NSS unit for self development of students through participation in activities, Book bank scheme, Nirbhay kanya scheme for girl student empowerment, Student's insurance, Industrialist's Guidance sessions for students, Lift system for differently abled (Divyang), RO Purified water facility
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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)

As a part of smooth administration of activities, the Institution prepares its budget every year as per the requirements of all departments as well as functional committees. The sanctioned budget from the management is then allocated to individual department under the categories such as, consumables, lab equipment purchase, industrial visits, research and development activities etc. To ensure that, the allocated budget is properly utilized and to minimize any discrepancy, the Institution conducts internal as well as external audit at regular intervals. The last internal audit of the Institution was carried out for the financial period of 01.10.2018 to 31.03.2019 by "Mundhe Shaha and Company". The last external audit was conducted by "Krishna Rawas and Associates". There were no major issues found and the budgeted and utilized quantities were found similar. Due to clear procedure of budgeting and funds utilization, the discrepancies are minimized. In case of any objection / discrepancy / observation observed during the audit, the auditor prepares its report and it is submitted to the Institution. After receiving the report from the auditor, the Institution analyses the audit observations, risks/ impacts, recommendations / suggestions and accordingly a rectification / compliance report is submitted back to the auditors, for clarifications and settlement. In present audit also the rectifications were satisfactorily answered by the institute which were raised during audit.

##### 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
1. SHENG LI TELECOM , 2. GRAPHENE CAMPUS CONNECT, 3. MR. SUNIL DEODHAR , 4. SHENG LI TELECOM, 5. OM SHANTI ELECTRICALS, 6. QUICKKEYS INFOTECH, 7. MICROEMBEDDED SYSTEM, 8 SCIENCE AND TECHNOLOGY PARK, 9. SPPU PUNE, 10. MM MANAGEMENT, PUNE	250437	Conduction of: Technical Event, Project Competition, Entrepreneurship Awareness camp, NSS Activities and special camp, GoKart and Baja activities
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#### 6.4.3 – Total corpus fund generated

10076500
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### 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	CEDA/ Independent Body of Invited Members	Yes	I.Q.A.C.
Administrative	Yes	CEDA/ Independent Body of Invited Members	Yes	I.Q.A.C.

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

Activity 1: As suggested in parent teacher meet, industrial visit was arranged through reference of parent at Arya Industries, Pune and also at Deepesh Pressings, Pune. These visits were arranged for Mech Engg students, Activity 2: As per suggestion of parents, Health Club is functional in institute, in which college hostellite students participate in daily work out activities for fitness, Activity 3: Stress relief workshop was organized for students and staff, as per suggestion by parents. The workshop was conducted by famous counselor Dr. Datta Kohinkar.
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#### 6.5.3 – Development programmes for support staff (at least three)

Program (1): Two Days Staff Development program(SDP) is organized by Internal Quality Assurance Cell, Duration: 1st February 2019 to 2nd February, 2019, Name of Resource Person: Mr. Satish Salunke, The objective of this SDP was to provide the training to all staff for becoming expertise in EXCEL. The resource person was Proprietor of "Softvision Institute". Program (2): Short Term Training Program (STTP) on NBA Accreditation, Duration: 22 April 2019 to 26 April 2019, Resource: NITTR, Kolkata, The program was focused on short term training to staff regarding NBA accreditation process. Program (3): Short Term Training Program (STTP) on Development of Laboratory Instruction Manual, Duration: 4 February 2019 to 08 February 2019, The program was concentrated on basic training to lab assistant regarding handling labs and precautions. Program (4): Guest Lecture on Infinite Power of Mind Stress Free Life, Date: 23
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February 2019, The program was aimed at living stressful life and some tips were provided by resource person Mr. Datta Kohinkar.

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

1. Establishment of MMCIIE center: Aimed towards skill development of students, 2. Promoting NPTEL certificate courses for faculties: To have better command on subject, faculties are promoted to complete the NPTEL online course of their respective subject expertise, 3. Project Competition Conduction: For enhancing research activities, 4. Workshop on stress Management: Conducted for all staff and students for handling stress in life, 5. Conduction of Additional Industrial Visits: For enhanced exposure to application of subject, 6. Aeromodeling Workshop Conduction: To initiate Aeromodeling club at the institute, this workshop was conducted, 7. Initiation of Civil Engg branch.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
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	STTP through ICT Mode on NBA Accreditation	28/09/2018	22/04/2019	26/04/2019	27
2018	Establishment of MMCIIE Center	28/09/2018	06/04/2019	06/04/2019	830
2019	TechnoSci Project Competition	28/09/2018	19/03/2019	19/03/2019	200
2019	Guest Lecture on Infinite Power of Mind Stress Free Life	28/09/2018	23/02/2019	23/02/2019	145
2019	Industrial Visit to Arya Industries	28/09/2018	09/02/2019	09/02/2019	47
2019	Aeromodeling Workshop	28/09/2018	23/03/2019	23/03/2019	60
2019	Conduction of Academic and Administrative Audit	28/09/2018	06/08/2019	06/08/2019	70
2018		28/09/2018	28/09/2018	28/09/2018	20

	Organization of IQAC meeting (Sixth)				
2019	Organization of IQAC meeting (Seventh)	24/04/2019	24/04/2019	24/04/2019	20
2019	Conduction of Internal Academic and Administrative Audit	28/09/2018	17/04/2019	17/04/2019	40
2019	Promoting faculties for publishing research papers	28/09/2018	30/06/2019	30/06/2019	3
2019	Additional efforts for institutional branding	28/09/2018	30/06/2019	30/06/2019	239
2018	Constitution of Debate and Reading club	28/09/2018	29/08/2018	29/08/2018	746
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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
Women Health Issues Workshop	15/02/2019	15/02/2019	51	0
Health Awareness Workshop	15/02/2019	15/02/2019	51	0
Krav Mag Self Defence Workshop	12/02/2019	12/02/2019	51	0
Stress management and Meditation	26/09/2018	26/09/2018	37	60
Street Play Dindi: Pune to Pandharpur	07/06/2018	07/06/2018	11	40

International Yoga Day Celebration	21/06/2018	21/06/2018	29	58
International Womens Day Celebration	08/03/2019	08/03/2019	80	0

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
48.74

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	Yes	0
Any other similar facility	Yes	1
Scribes for examination	Yes	3

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	06/06/2018	1	Donation to Gurukul	Social Activity	84
2018	1	1	06/06/2018	11	Decomposition of Garbage	Garbage Management	53
2019	1	1	30/03/2019	1	Byke Rally Helmate Awareness Program	Helmate Awareness	130
2019	1	1	16/06/2018	1	Transport facility	Pollution free campus	76
2019	1	1	05/06/2019	1	Tree PlantationG	Go Green	84
2019	1	1	26/02/2019	1	Blood Donation	Save Life	50

2019	1	1	12/02/2019	1	Enterpr eneurship Awareness Camp	Unemplo yment	150
2018	1	1	14/08/2018	1	Donation to Orphanage	Social Activity	30
2018	1	1	14/08/2018	1	Visit Donation to Z.P.Sc hool	Social Activity	30
2018	1	1	14/08/2018	1	Blood donation	save life	45
2019	1	1	17/02/2019	1	Yoga Me ditation Session	Health Awareness	25
2019	1	1	21/01/2019	1	Bhandhara Bhima River	Save water	60
2019	1	1	06/01/2019	1	Marathon	Smart City Clean City	84
2019	1	1	22/01/2019	11	Street play on A ndhashrad dha Nirmulan	Superst ition	20
2018	1	1	09/06/2018	1	Facilit ation Center	Helping student for admission process	82
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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)
Alumni	15/06/2018	1.Institution organizes Alumni meet of Alumni association AAMMIT and invites the members to recall the memories of Alma Mater. Every year around 100 alumni attend the Alumni Meet. 2. A provision is made for giving scholarship to selected deserving students by Alumni Association 3. Alumni provides information

		<p>related to their achievements in their respective fields. 4. Alumni are invited to conduct expert lectures, seminars, workshops 5. Alumni are invited as a judge for assessment during technical competitions and a guest for induction program. 6. Social networking media like Facebook, Whatsapp and LinkedIn are used to communicate effectively with the alumni. 7. Email notifications are sent to alumni on regular basis</p>
Teacher	15/06/2018	<p>1. Faculties of the institution adhere to their responsibilities as referred in code of conduct by reporting to the concerned authorities. 2. Faculties are involved in preparation of experimental setup and upgrade laboratory. 3. Faculties are publishing research papers in reputed International, National Journals that are listed in Web of Science, Scopus and UGC. Patents are also published by faculties and students. 4. Many Faculties are active member of professional bodies like ISTE, IEEE etc</p>
Student	15/06/2018	<p>1. Students abide to all the rules and regulation framed by the Institute. 2. Students wear college uniform on specific days / occasions as instructed by college authorities. 3. Students wear college identity card in the Institute campus and/or while representing the institute. 4. Student regularly read the notices. 5. Student</p>

		communicates with Guardian Faculty / Class Teacher if he/she wants to remain absent due to certain reason(s). 6. None of our Student participate in any political or antisocial activity. 7. Students help to keep college premises neat, clean and tidy by organizing various activities.
Parent	15/06/2018	1. Parents are aware about the performance of their ward throughout the semester. 2. Parents attend the Parent teacher meet arranged by the Institution in every semester. 3. Parents communicates with office / admin department regarding administrative activities related to the student. 4. Parents of students residing in hostel communicate regularly with hostel warden regarding behavior of their ward.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Playing National Anthem daily at 8:30 am	16/06/2018	31/07/2019	800
Republic Day Celebration	26/01/2019	26/01/2019	130
Reading Motivational Day Celebration	20/10/2018	20/10/2018	40
Engineers day Celebration	15/09/2018	15/09/2018	94
Teachers day Celebration	05/09/2018	05/09/2018	70
Independence day Celebration	15/08/2018	15/08/2018	132
International Yoga Day Celebration	21/06/2018	21/06/2018	31
International Womens Day Celebration	08/03/2019	08/03/2019	50



Stress management and Meditation	26/09/2018	26/09/2018	97
Gandhi Jayanti Celebration	26/09/2018	28/09/2018	40
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Green landscaping covered with trees and plants (spread over around 1 acre of land) 2. Plastic free campus 3. Sewage Treatment Plant 4. Bio gas Plant for food waste management 5. Rain Water Harvesting

### 7.2 – Best Practices

#### 7.2.1 – Describe at least two institutional best practices

**Best Practice 1:** 1. Title of the Practice: Professional Skill Enhancement of Students 2. Objectives of the Practice: To enhance technical skill development To train students by Faculties and expert professionals from industry 3. The Practice: • Efforts taken for students for national level contests • Organization of national level workshops, conferences and training programs • Eminent speakers, academic professionals are invited from Industry and educational fields • Add on courses are conducted • Students are active members of professional body SAE India 4. The Process: • Students are shortlisted and are registered for SAE Collegiate Club. • Training sessions are conducted by faculties and experts of Automobile industries • ATV Gokart cars are designed inhouse Similarly, • Students are shortlisted and are registered for Robocon Club. • Training sessions are conducted by faculties and robotics experts • Robots are designed inhouse 5. Evidence of Success: Performance in the National Level Gokart and ATV Competition: I) Participation in IF9GKC and NGRC 2018 (Gokart) organized by RKDF University, Bhopal. Achievements are, Overall championship award Best Autocross award Best Skid pad award Best Endurance award Best Driver award II) Participation in GoKart Racing Competition at SKDC 2019, Hyderabad and secured Best Skid pad award. III) Participation in National Super karting Championship(Gokart) 2018 organized by SR Motor Sports. Achievements are Overall championship award Best Endurance award Best Acceleration award Best Driver award Runner Up in: Best Autocross award Best CAE award IV) Participation in Jaipur Street Karting 2019,organized by Arya College of Engineering, Jaipur and won Best Skid pad award (Runner Up) V) Participation in MEGA ATV championship 2019, Goa and won second Runner up in Armagaddon Race and secured overall 5th rank among 100 teams across India. VI) Participated in Aravali Terrain Vehicle championship 2019, Kota and won Sledge Pull (First Runner up) Acceleration (Second Runner up) VII) Participated in All India Racing championship 2019, Moshi, Pune and won First Design Evaluation award. 6. Problems Encountered and Resources Required Mismatch of schedule of the resource persons 7. Notes: Institution supports technical activities such as ATV, GoKart etc and spent amount Rs.1,13,936. **Best Practice 2:** 1.Title of the Practice: Promoting Social Activities 2. Objectives of the Practice: Develop a sense of social and civic responsibility in students 3. The Context: Students are motivated to utilize the knowledge in understanding and finding practical solutions of community problems. 4. The Practice: NSS unit adopted Vadgaon Ghenand village and every year seven day residential special camp is organized. Students contribute to the village development in consultation with the local authorities. Apart from NSS, various social activities are also conducted. 5. Evidence of Success: Activities conducted under NSS • Swacchata Abhiyan • Water Conservation and Management • Digital India awareness • Tree plantation • Water Logging and Seepage • Street Play on Anti Superstition Program • Free Medical Checkup Camp • Various Competitions • Cultural Event • Marathon smart city clean city • Blood Donation Camp • World Tobacco day •

Visit and Donation to School and Orphanage • Street Play in Dindi Pune to Pandharpur Activities conducted apart from NSS Organization of • Blood Donation camp as a tribute to Late Shri. Shankarraoji Chavan, Founder President and Late Shri. Vilashraoji Deshmukh, Former President. • Health awareness program for girl students • Help to Orphanage and School • Karv Mag Self Defense workshop • Workshop on Decomposing • International Women's Day 6. Problems Encountered and Resources required • Limitation to spare more time due to rigorous academic schedule • Financial support required from SPPU and institution 7. Notes: Outcomes of social initiatives are inculcating social welfare in students and grow as social and civic responsible citizen.

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

<https://www.mmit.edu.in/index.php/igac/institutional-best-practices>

### 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

Institution is established in the year 2008 by the trust 'Marathwada Mitra Mandal' to provide engineering education with the motto "Yethe Bahutanche Hita" (Welfare of Masses). The watchwords of the trust are Mass education, coeducation and dedication towards overall development of the students. The institution has the vision "TechnoSocial Excellence" where along with the necessary academic and technical knowledge in different disciplines, emphasis is given at nurturing graduates with a reasonable sense of social responsibility. Enhancing technical excellence of students keeping sense of social responsibility is the distinctiveness of institution to fulfill the vision, priority and thrust of the institution. Many of the admitted students are from economically weak background and a significant number of open category students are from farmer's family. Amongst these, few students are not eligible for Government free ship and scholarship. Every year, because of weak financial conditions, several deserving students are on the verge of quitting their education. The trust and the Institution take the responsibility of continuing education of such needy students through financial assistance and provide them an opportunity to become a successful engineer. In the academic year 2017-18, institution has supported 08 students and spent around Rs. 4,66,171/- and in academic year 2018- 19, institution has supported 19 students and spent around Rs. 6,60,959/- till date. Total 19 students are benefited. Four students out of 19 are graduated and are placed in companies like Amdocs, Capgemini, Whitesnow and HUDL India Pvt. Ltd. The careers of these students are recognized globally. Institution also supports technical activities such as ATV, GoKart etc for academic improvement and spent amount Rs.1,13,936. The institution has "Earn and Learn Scheme" to provide an opportunity for students who need financial support to their education by offering part time job in Library. Depending on the requirement of the students, they are provided with expenses for mess. Under this scheme, students are assigned work in the College Library after college hours so that their regular studies are not affected. In the year 2018-19, two students are benefited under this scheme.

Provide the weblink of the institution

<https://www.mmit.edu.in/index.php/igac/institutional-distinctiveness>

### 8.Future Plans of Actions for Next Academic Year

(1) Commencement of two new branches - (a) Mechatronics and (b) Artificial Intelligence, Mechatronics is at the intersection of mechanical engineering, electronic engineering and software engineering. Primarily the focus is on industrial automation, automobile, manufacturing, robotics, etc. A course in

Artificial Learning would enable students to learn build intelligent machines, software, or applications with a cutting edge combination of machine learning, analytics and visualization technologies. The institute has submitted proposals to the Savitribai Phule Pune University for start of these two branches from the Academic Year 2020 to 2021. (2) Focus on imparting Skill Based Education through MMCIII and industry collaboration - Marathwada Mitramandal Trust has established the "Center for Invention, Innovation and Incubation (CIII) named as MMCIII (Marathwada Mitramandal's center for Invention, Innovation and Incubation). It is a joint venture by Tata Technologies, Science Technology Park SPPU and Marathwada Mitramandal Trust, Pune for the institutions run by the trust including MMIT. MMCIII would help Innovators to explore new ideas, develop new products, Promote technology startups, Provide high end industrial training, The training Modules are designed by TATA Technologies Ltd . The training for faculty and students would be imparted by Experts from TATA Technologies Ltd and other Industry partners.