



# **SELF STUDY REPORT**

**FOR**

**2<sup>nd</sup> CYCLE OF ACCREDITATION**

## **MARATHWADA MITRA MANDAL'S INSTITUTE OF TECHNOLOGY**

**SURVEY NO. 35, PLOT NO. 5/6, VADGAON SHINDE ROAD, LOHGAON, PUNE  
411047**

**[www.mmit.edu.in](http://www.mmit.edu.in)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

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# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

The trust "Marathwada Mitra Mandal, Pune" was established in 1967 by Hon. Late Shri. Shankarraoji Chavan, Former Home Minister, Govt. of India. The motto of MM trust is "Yethe Bahutanche Hit" (Welfare of masses). Marathwada Mitra Mandal's Institute of Technology (MMIT) was established in A. Y. 2008-09, is a registered society and a self-financed institution.

MMIT is approved by the AICTE, New Delhi and Directorate of Technical Education (DTE) Maharashtra State. The institute offers 05 UG Engineering courses (Computer, Mechanical, Civil, Mechatronics, AI&DS) and is affiliated to Savitribai Phule Pune University, Pune.

MMIT, Lohgaon, Pune is committed to promote value-based engineering education as per the need and expectations of industries, students and society. The institute is located within the corporation limit of Pune city near the vicinity of Pune Airport. It is spread over sprawling and lush green beautifully planned spacious modern state of art infrastructure and hostel facility in 13.99 acres land with total built up area is 18784.29 sq.mtr. Faculty is very hard working and takes continuous efforts to feed the fruitful knowledge to students. Management always supports updating the infrastructure and high-end equipment to fulfill beyond the requirements of the curriculum.

The institute maintains the high standards for academic, personality development and overall grooming of the students which has resulted in achieving 'A' grade by NAAC in the first cycle. At present around 1200+ students are pursuing their dream career at MMIT.

MMIT strives to provide an excellent academic ambience, modern infrastructure, innovative teaching-learning aids, incubation support, training opportunities and nurturing entrepreneurship skills.

Focusing on the practices of the Outcomes Based Education (OBE) and skills development, MMIT has established workshops for design of ATV and Go-Kart vehicles. Students have brought many laurels to the institute by participating in many National Level events. Several skill development and Add-On courses are conducted. The parent trust has established a Make it Happen Center for Invention, Innovation and Incubation (FMCIII) in joint collaboration of Tata Technologies, Science and Technology Park, SPPU and Marathwada Mitra Mandal, Pune to promote the culture of research, innovation and entrepreneurship for all institutes run by it.

### **Vision**

The Vision of the Institution is to achieve "Techno-Social Excellence"

### **Mission**

The Mission of the Institution is to

- Enhance technology transfer
- Implement entrepreneurship
- Promote global competency
- Integrate innovative pedagogy
- Create excellent human resource

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

- Encouraging and supportive management
- Spacious and excellently landscaped green campus with eco-friendly atmosphere
- The State- of-the-art infrastructure facilities including a dedicated playground
- ICT-equipped, stepped, spacious classrooms
- Well integration of OBE in the planning and implementation of curriculum
- Multidisciplinary program - "Mechatronics Engineering"
- Accredited by NAAC with "A" grade in NAAC Cycle 1
- Dynamic, well-qualified team of faculties with exposure as Member of Board of Studies, Reviewers, Subject chairman, Syllabus & Paper Setters, Examiners etc.
- Institute Transport Service from various corners of Pune City.

### Institutional Weakness

- Quality research publications
- Funded research projects
- Consultancy
- International Collaborations

### Institutional Opportunity

- NBA Accreditation of all departments
- Autonomy in academics
- More publications in reputed journals, Patents and Copyrights
- Consultancy and revenue generation
- Collaboration with foreign Universities

### Institutional Challenge

- Inclination of students towards mother branches

- Global competition for admissions
- Increase in number of Startups
- Limited access to public transport
- Research funding from outside agencies like AICTE, DST, SERB, BARC, DRDO, CSIR, BRNS

## 1.3 CRITERIA WISE SUMMARY

### Curricular Aspects

MMIT offers five undergraduate engineering programs that are approved by AICTE and is affiliated with Savitribai Phule Pune University (SPPU). The institute strictly follows SPPU's curriculum, academic calendar, and the Choice-Based Credit System (CBCS).

As an affiliate of SPPU, MMIT adheres to the guidelines of university's syllabus and academic calendar. The institute employs an ERP and LMS to effectively integrate Outcome-Based Education (OBE) principles and curriculum planning and implementation.

MMIT offers academic flexibility through various means, including Audit Courses, Elective Courses, Mini Projects, Internships, Final Year Projects, and Project-Based Learning. The institute further enhances students' employability by organizing Certification Courses, Workshops, Seminars, Skill Development Courses, Add-On courses, and Value-Added courses/ Programs across all departments.

SPPU's curriculum also emphasizes cross-cutting issues such as Professional Ethics, Human Values, Environment, Gender and Sustainability through various audit courses integrated throughout the years of study. This comprehensive approach ensures that students receive a well-rounded education that prepares them not only for their careers but also for ethical and socially responsible citizen.

The institute's faculty members are actively engage in university level academic activities. Some of them are serving as members of the Board of Studies and Faculty Selection Committees. They are involved in syllabus design and have also organized workshops for syllabus implementation on behalf of the university. Faculty members also participate in university examinations, including paper setting, and holding positions as Subject Chairman. They contribute actively to paper assessments and moderation at various assessment centres under SPPU.

The NSS Unit at the institute is actively engaged in organizing a range of awareness, social, and extension activities for the adopted village. They also collaborate with reputed blood banks to conduct blood donation camps. The institute celebrates various occasions, including Constitution Day, Yoga Day, Youth Day, Teachers Day, Engineers Day, Republic Day, and Independence Day, to instil values of integrity and nationalism in students. Social programs are conducted to inculcate social values in students. Feedback from all stakeholders including students, parents, alumni, and employers plays a vital role. Institute obtains feedback regarding curriculum and ambience. This feedback is being analysed for continuous improvement.

### Teaching-learning and Evaluation

Admission process at MMIT is governed by the Directorate of Technical Education, Maharashtra and is executed through the Centralized Admission Process (CAP) adhering to the reservation policy. MMIT is

dedication to provide an inclusive environment for diversified students.

MMIT adheres to AICTE and SPPU norms for appointing teaching faculty as per desired teacher-student ratio expecting highly qualified and experienced faculty members.

MMIT fosters modern teaching pedagogies, such as interactive, collaborative, experiential, and problem-based learning, to enhance students' educational experiences. The institute actively integrates internships, industrial visits, training in the latest software tools, project competitions, and model exhibitions into its curriculum, all aimed at strengthening core competencies. Moreover, MMIT promotes interdisciplinary, and industrial projects to provide practical exposure. In addition to traditional techniques methodologies, faculties use ICT-enabled tools to enrich teaching-learning process.

Furthermore, MMIT is committed to Outcome-Based Education (OBE). Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) are disseminated to all stakeholders at various platforms. Faculties map COs to POs, justifying and assessing attainment and integrate its assessment into the college's ERP system. They utilize various internal, external tools, student feedback and surveys to continuously improve the educational experience.

In terms of examination and evaluation, MMIT follows guidelines set by SPPU. A dedicated examination committee, consisting of the Principal, College Examination Officer (CEO), and department examination coordinators, ensures transparency, robustness, and fairness throughout the examination process. This committee is also effective in addressing examination-related grievances, ensuring a fair and accountable evaluation system.

In conclusion, MMIT's holistic approach to education, encompassing diversity, excellence in teaching, modern pedagogies, and transparent assessment practices, creates an environment where students can thrive and develop into well-rounded, knowledgeable individuals.

### **Research, Innovations and Extension**

Research, innovation, and extension activities are promoted through the ecosystem for innovations and the Indian Knowledge System (IKS) through the establishment and awareness of IPR and incubation cells. This encourages faculties and students to foster research activities in research methodology, innovation, intellectual property rights, and entrepreneurship. The R&D and IPR cell was established to conduct different IPR awareness activities through workshops, seminars, short term training program, and Entrepreneurship activities. A total of 190+ activities have been organized at the institute over the last five years. Around 25+ patents have been filed and published in the last five academic years. MMIT Entrepreneurship and Innovation Cell (MEIC) and Institution Innovation Council (IIC) have been established to build entrepreneurs through innovation and entrepreneurial activities such as ideation competitions, awareness camps, field visits, expert talks by entrepreneurs, platforms for building startups, etc. The institution has well established professional bodies memberships, and chapters like ISHARE, IEI, ISTE, SAE, etc. The ISHRAE and SAE chapters and associated student club received multiple awards and appreciations for their contributions. The industry liasioning boasts through different memberships such as CII, MCCIA, SECI, CSI, ACM, BAI, Eduskills, etc. and technical clubs. These chapters and clubs organize various short term training program (STTP), faculty development programs (FDP), faculty and student trainings, industrial visits, certificate programs, hackathons, competitions, and social activities for community development. The Marathwada Mitra Mandal was founded with the sole objective of “Welfare of Masses” in order to contribute to the social welfare. MMIT has conducted numerous

extension activities through multiple channels, involving various organizations such as the National Service Scheme (NSS), Department Club, Professional Club, and Technical Club beyond the campus in and around Pune. The extension activities received numerous awards and letters of appreciation from the government and government recognized organizations. These activities lead to the creation of student's awareness of social problems and students as socially sensitive human beings. The institute has collaboration with industries, institutions, and the community in the form of MoUs, internships, collaboration activities such as sponsored projects, industry internships, workshops, seminars, on-job training, sharing research facilities, etc.

## **Infrastructure and Learning Resources**

MMIT prioritizes quality education by offering best possible state-of-the-art infrastructure facilities compliant with AICTE, DTE, and SPPU norms. It spreads over an area of around 14 acres including a dedicated playground that of 6.7 acres. A dedicated sports hall caters the need of indoor sports activities. Yoga Center and Gymnasium supports the grooming of students. An open amphitheatre of 600 sqm and ample seating capacity is available. Moreover, the institute caters to the needs of 'Divyangjan' individuals.

Classrooms are uniquely designed for better interaction with students and are equipped with Interactive Intelligent Panels (IIP), Smart-Boards and LCD projectors, and PCs with LAN connectivity.

The laboratories are well maintained and upgraded regularly. Workshop and additional workshops cater the need to enhance practical skills.

The Central Library has an extensive collection of books, print journals, e-books, e-journals, e-resources, and reference materials. The other sections include a spacious reading hall and digital library section. The library is automated through SLIM and ERP, ensuring efficient management. Additionally, the library has memberships with institutions like Jayakar Library (SPPU), Automotive Research Association of India (ARAI), and NDLI Club. The e-library section provides dedicated computers for accessing a wide range of e-journals and e-books.

ICT-based infrastructure supports effective teaching and learning process. The institute has upgraded IT infrastructure in a phased manner. The desktops are upgraded to Intel i5 and i7 desktops with a student-to-computer ratio below 1:3.

Software tools like AutoCAD, MATLAB, ANSYS, and others are available. A 300 Mbps broadband internet connectivity. Wi-Fi coverage is provided within the campus including the hostel. Sufficient CCTV surveillance is active in the campus for safety and security. Additionally, the institute has a virtual lab nodal center from IIT Bombay, ensuring student's access to virtual lab experiments. The IT support infrastructure further include server room, network devices, biometric attendance system through ERP. Development of new infrastructure and regular maintenance are carried out to ensure the effective operation of the institution.

## **Student Support and Progression**

MMIT implements various scholarships and freeships, from the State Government, Central Government Minority Scholarship, and Leela Poonawala Foundation Scholarship for girl students. Additionally, the parent trust, Marathwada Mitra Mandal, supports financially needy students through scholarships and fee waiver

schemes. The institute actively implements SPPU's earn-learn scheme for economically backward students.

The institute is committed to enhancing students' skills and offers programs in soft skills, language and communication skills, life skills (such as yoga, physical fitness, health, and hygiene), and ICT/computing skills. Students actively participate in sports and cultural activities and have received awards for their achievements.

MMIT has established a Grievance Redressal Cell, an Internal Complaints Committee/Women's Grievance Redressal Cell, and an Anti-Ragging Committee to address students' grievances, including cases of sexual harassment and ragging. The institute educates students about misconduct and necessary actions during induction programs and throughout the academic year. Grievances can be submitted through the existing ERP system.

The parent trust has set up a Corporate Relations Division to facilitate industry tie-ups for placements. The institute has a dedicated Training and Placement (T&P) Cell which coordinates a variety of employment opportunities through on-campus, off-campus, and pool campus drives while also building industry collaborations. Additionally, T&P cell organizes training in soft skills and aptitude, internships, and has ongoing partnerships through MOUs. Students are also encouraged to pursue advanced study and are assisted in their preparation for competitive exams such as GATE, GRE, UPSC, CAT, and others.

The Alumni Association, registered in 2017, plays an active role by contributing through technical seminars, webinars, guest lectures, mentoring for events, and judging various technical activities.

MMIT is dedicated to providing a well-rounded education experience, encompassing academic, skill-building, and personal development opportunities, as well as strong support systems for students' well-being and career aspirations.

### **Governance, Leadership and Management**

MMIT has established several committees, including the Governing Body (GB), College Development Committee (CDC), Statutory Committees, and various other functional committees. These committees play a vital role in decision-making and strategy formulation in alignment with the institution's vision and mission. Campus Coordination Committee (CCC) with designated management members ensure that the institution's strategies and decisions align with the broader goals and values of the parent trust. The Institution's has started activities in-line with National Education Policy (NEP).

The Institution's strategic plan aims to for sustained growth and is effectively implemented through delegation of powers, creating a conducive learning environment, and fostering a pleasant work culture.

The Institution has implemented e-Governance in its various operational areas including Administration & Planning, Financial Activities, Students Admission & Support and Examinations.

Decentralization is evident in the formation of committees under Deans and Heads of Departments (HODs). These committees meet regularly to review and decide on workflows, fostering participative management. Representation from teaching, supporting staff, and students on various committees further promotes inclusivity and diversity in decision-making.

The Institution has competent faculty recruited according to UGC norms. It follows service rules and

regulations set by AICTE and SPPU. Faculty members are encouraged to enhance their qualifications, engage in quality publications, participate in consultancies, attend faculty development programs, and receive financial support for conferences and research work. The institution has implemented a faculty appraisal system based on AICTE 360-degree guidelines and parameters for Institutional growth.

To mobilize and optimally utilize resources and funds, internal and external financial audits are conducted every financial year which ensures transparency and accountability in financial management.

The Institution's Internal Quality Assurance Cell plays a crucial role in continuous improvement and achieving academic excellence. It focuses on enhancing the quality of education and aligning with the overall mission and vision of the institute.

MMIT has a robust framework in place to govern the institution, plan strategically, maintain financial transparency, assure quality, and support faculty development. These practices contribute to the institution's overall growth and alignment with its mission and vision.

### **Institutional Values and Best Practices**

Marathwada Mitra Mandal Institute of Technology (MMIT) is striving for educational excellence and societal welfare, guided by the motto "Welfare of Masses". The institute is committed to inclusiveness, gender equality, cultural diversity, environmental responsibility, accessibility, and community engagement.

MMIT promotes gender equality and safety by establishing dedicated committees such as the Women's Grievance Cell and the Grievance Redressal Cell. These bodies promptly address concerns and ensure a nurturing environment free from gender discrimination and sexual harassment. Moreover, it actively encourages women to take on leadership roles, emphasizing diversity and inclusion.

At MMIT, various festivals, national and international days, are celebrated to facilitate cultural diversity. The institution is sensitized towards environment and has implemented eco-friendly initiatives such as solar water heaters, rainwater harvesting, sewage treatment plants, and biogas plants. MMIT is also dedicated to creating an accessible and inclusive campus environment for individuals with disabilities, ensuring equal opportunities for all students, regardless of physical abilities.

Furthermore, MMIT promotes social responsibility and community engagement through its National Service Scheme (NSS) unit. Despite academic challenges, this initiative inculcate civic commitment and practical knowledge in students, fostering a sense of responsibility toward society.

The institution constantly seeks to enhance the teaching-learning process by incorporating project-based learning, maintaining state-of-the-art laboratories, and nurturing industry partnerships. These efforts have resulted in increased job placements and expanded course offerings, preparing students with the essential skills.

MMIT has many good practices; out of which two best practices are "Promoting Social Activities" and "Enriching Teaching Learning Process". Through the practice of sustainable growth, MMIT ensure overall development by taking a step ahead towards the implementation of NEP by introducing multidisciplinary and interdisciplinary courses. The sustainable growth is supported by enhancement in learning resources, upgrade of IT infrastructure, etc. Through the practice of promoting social activities, the institute tries to sensitize the students towards their social responsibility along with the aim of technical excellence in line with the vision of



the institute.

Distinctiveness of the institution lies in taking the responsibility of financially weak students by providing Financial Assistance to Students in institute and hostel fees through institutional funds. This helps to ensure their continuation of their education.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	MARATHWADA MITRA MANDAL'S INSTITUTE OF TECHNOLOGY
Address	Survey No. 35, Plot No. 5/6, Vadgaon Shinde Road, Lohgaon, Pune
City	Pune
State	Maharashtra
Pin	411047
Website	<a href="http://www.mmit.edu.in">www.mmit.edu.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Rupesh V. Bhortake	020-8308838245	9049008003	-	principal@mmit.edu.in
IQAC / CIQA coordinator	Anjali Joshi	020-9763107185	9850826636	-	iqac@mmit.edu.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Maharashtra	Savitribai Phule Pune University	<a href="#">View Document</a>

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	<a href="#">View Document</a>	02-06-2023	12	Extension of Approval issued by AICTE for current academic year
AICTE	<a href="#">View Document</a>	02-06-2023	12	Extension of Approval issued by AICTE for current academic year

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	Survey No. 35, Plot No. 5/6, Vadgaon Shinde Road, Lohgaon, Pune	Urban	13.99	18784.29

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/ Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BE,Computer Engineering,	48	HSC CET or JEE	English	120	119
UG	BE,Mechanical Engineering,	48	HSC CET or JEE	English	60	42
UG	BE,Civil Engineering,	48	HSC CET or JEE	English	60	18
UG	BE,Mechatronics Engineering,	48	HSC CET or JEE	English	60	47
UG	BE,Artificial Intelligence And Data Sciences,	48	HSC CET or JEE	English	60	57

### Position Details of Faculty & Staff in the College

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	7				14				42			
Recruited	0	0	0	0	6	4	0	10	23	19	0	42
Yet to Recruit	7				4				0			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				14			
Recruited	0	0	0	0	0	0	0	0	12	2	0	14
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				13
Recruited	10	3	0	13
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				10
Recruited	9	1	0	10
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

**Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	3	2	0	0	1	0	6
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	10	5	0	15
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	3	2	0	4	2	0	11
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	21	13	0	34
UG	0	0	0	0	0	0	0	0	0	0

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

<b>Details of Visting/Guest Faculties</b>					
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>		<b>Female</b>		<b>Total</b>
	0	0	0	0	0

**Provide the Following Details of Students Enrolled in the College During the Current Academic Year**

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	223	7	0	0	230
	Female	91	1	0	0	92
	Others	0	0	0	0	0

**Provide the Following Details of Students admitted to the College During the last four Academic Years**

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	108	95	73	51
	Female	35	28	22	14
	Others	0	0	0	0
ST	Male	20	15	6	4
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	217	205	173	154
	Female	71	54	44	39
	Others	0	0	0	0
General	Male	463	400	357	294
	Female	182	155	124	92
	Others	0	0	0	0
Others	Male	109	107	85	62
	Female	30	21	16	9
	Others	0	0	0	0
Total		1235	1080	900	719

**Institutional preparedness for NEP**

1. Multidisciplinary/interdisciplinary:	In view of NEP 2020, MMIT has taken steps towards the multidisciplinary / interdisciplinary courses. The institute has introduced Mechatronics Engineering branch since AY 2020-21, which is multidisciplinary
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	<p>branch that includes study of domains of Mechanical, Electronics, Electrical and Computer. Since AY 2021-22, the institute has introduced interdisciplinary branch of Artificial Intelligence and Data Sciences. The affiliated University has already permitted to obtain multidisciplinary minor (Honors) degree while pursuing major degree. This is successfully implemented in all the departments. The audit courses on Environmental studies are included right from the first year of studies. The add-on / value added / certification courses may be redesigned focusing on multidisciplinary and interdisciplinary approach. Honour courses, emerging areas course are may be offered in the inter-department. Experts from industry domains are regularly invited for expert sessions on varying subjects. Institute inculcates social responsibility in the students by providing services and engagement to the local community through NSS activities. Orientation / Induction programs includes multidisciplinary perspectives in the area of engineering, environment, values and society.</p>
<p>2. Academic bank of credits (ABC):</p>	<p>With reference to the Academic Bank of Credits (ABC), the institute is following the guidelines received from the affiliated Savitribai Phule Pune University (SPPU), Pune. The registration of students students for ABC ID is initiated by the University. Being an affiliated institute choice based credit system (CBCS) is in place for all programs as per the university curriculum. Further, the institute will follow the process related to the ABC as directed and governed by the SPPU, Pune. The students are guided by the institute for creation of ABC IDs and are needed to be mentioned in the examination form of the University.</p>
<p>3. Skill development:</p>	<p>The institute takes initiative in the Capacity building, skills enhancement, soft skill of the students. As part of the curriculum, internship, field projects are undertaken to enable the students to acquire relevant work experience and employability skills such as planning, problem solving, team work, adaptability. The various skill development activities are conducted by the institute such as - Online Ideation Competition, 3D Animation Film Process, Soft Skills Development, Lifeskills Training, Workshop on Drone making, A short training on Engine Assembly, Zero Based Costing In Mechanical Engineering,</p>

Webinar on "Quantity Surveying, tendering, Contracts & budgeting, Add on Course to enhance soft skill of students on SQL, The art of workspace communication, Robotics and Upcoming Industry 4.0, Mechatronics Engineering: Industrial aspects and opportunity, Expert Lecture on Data Analytics & Big Data Visualisation, Add on course on Deep Learning and Web Development, 3D Animation Film Process. The institute has a separate additional workshop for fabrication of ATV and Go-Kart Vehicles. A 24/7 access is provided to the students. Apart from above the institute has organized a Technical Even - TechnoSci 2022 to provide a platform for students to showcase their technical skills. The events such as robo-race, robo-war, robo-making drone-making, bridge-making, hackathon, etc. are organized. At the University Level, students are participating in ideation competitions, Project Based Learning competitions, Avishkar, etc. The parent trust (MMM) has a central facility "Make It Happen: Center for Invention, Innovation & Incubation" (FMCIII) make students deployable by providing high-end and Industry specific training designed and delivered by Tata Technologies Ltd. and other Industry partners (Joint Certification from TTL, STP, and MMM). Skill Development Programs (SDP) in various domains are conducted in which students of all departments can participate and get training of their interest. The center provides strong mentorship to those who want to invent new products, services, and processes and to those who want to set up their own companies. These are assisted by Tata Technologies Ltd. and Science & Technology Park experts.

4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):

The students admitted to the institute are from various religious, cultural, and geographical backgrounds. However, most are from rural backgrounds. Hence, they are given the freedom to share their thoughts and express their ideas in their own language. As per the requirement, faculties provide counselling to them by explaining the topic in the local language, i.e., Marathi and Hindi. For the promotion of Marathi, Marathi Bhasha Divas is celebrated by organizing activities such as book-reading events, poet recitations, literature reviews, etc. The institute's annual magazine, "Pratibimb," provides a platform for students to write articles and poems in different languages. The institute takes the

	<p>initiative to provide an all-inclusive environment consisting of various domains such as tolerance and harmony towards cultural, regional, linguistic, communal, socioeconomic, and other diversities. This is done by actively promoting the major days such as Yoga Day, Chhatrapati Shivaji Maharaj Jayanti, Dr. Babasaheb Ambedkar Jayanti, APJ Abdul Kalam Jayanti, Teachers Day, etc. Also, students can publish their drawings, art galleries, photography, etc. The National Service Scheme (NSS) unit of the institute organizes a residential camp in an adapted village. Various social activities are organized, such as street plays on gender equity, women's empowerment, social issues, farmer suicide, etc. The activities, such as fort cleaning, were conducted by students to protect our cultural heritage. During the cultural activities, students are given a platform to perform their own cultural activities in their own traditional language and dress code. The faculties also participate in translating the SWAYAM engineering course in Marathi.</p>
5. Focus on Outcome based education (OBE):	<p>Outcome based education (OBE) is actively being integrated in the institute. All the programmes have well defined programme specific outcomes, course-specific learning outcomes and program educational objectives (COs, POs, PSOs and PEOs) in a defined way. The direct and indirect assessment methods includes the internal assessment (at institute level) and external assessment (at university examination level) and appropriate weightage is assigned to all assessment levels. The students are assessed in the form of performance-based tasks and activities such as Project Based Learning. At the end of the every semester, for every subject, the CO-PO attainment is calculated. Observations / remedial / conclusions are drawn at department level and remedial action is taken wherever necessary. In the each department this process is monitored by a faculty coordinator under the supervision of respective Head of the Department. MMIT adapts practices such as like practicals, industry internships, projects, industry visits etc. by which students are encourages to various experiential learning platforms.</p>
6. Distance education/online education:	<p>MMIT is well equipped with all the facilities for online teaching and learning facilities including desktops, laptops, smart boards, projectors, digital writing pads, LAN and Wi-Fi internet connectivity,</p>

etc. Online library access is provided through OPAC. MMIT has integrated use of ICT enabled tools in the teaching learning process. During COVID-19 period MMIT has provided online learning to students through various means including live streaming of classroom sessions on Google Meet. On the Google Classroom platform, faculties are uploading various learning resources such as pre-recorded videos, YouTube links, assignments, practical write up, assignments, etc. The students are encouraged to obtain International Course Certification from AWS, Redhat, Juniper, Palo alto, Celonis, BluePrism, etc. The students are pursuing online certification courses offered on the platform NPTEL, SWAYAM, etc. The institute has Virtual Lab Nodal Center from IIT Bombay, where students can perform online experiments on this platform. Students are also completing the internships in an online way. For completion of on line courses, the platforms like MOOCs, Coursera, etc. are adopted by the faculty and students.

### Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	MMIT have submitted a requisition to the Pune District Election Office's for the Electoral Literacy Club (ELC). They are assessing an institution's eligibility to set up an ELC.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	The Institute has appointed following faculties and students to lead the Electoral Literacy Club. (1) Principal - Chairperson (2) Dr. Yogendra Patil - Nodal Officer (3) Dr. Megha Kadam - Coordinator (4) Mr. Utkarsh Anecha - Student Coordinator (5) Ms. Aishwarya Borse - Student Coordinator
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior	The initiative was undertaken by IQAC Cell. At the first phase, the information is being gathered from the students about their registration in the voter list. At the second phase, voter awareness programs are in the planning. In the third phase, the institute is planning to conduct voter registration drives in the campus in association of the district election administrator.

<p>citizens, etc.</p>	
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>The institute is planning to undertake projects related to electoral process through Project Based Learning. Also, an awareness session and drives are in plan to be conducted through NSS during special camps.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>The voter registration is an ongoing process and currently there are around 40% students who are registered as voters in the institute. ELC is undertaking awareness activities for registration.</p>

## Extended Profile

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### 1 Students

#### 1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1235	1080	900	719	746

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

### 2 Teachers

#### 2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 51

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

#### 2.2

Number of teaching staff / full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
38	41	42	43	38

### 3 Institution

#### 3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
311.64	280.65	112.07	264.31	95.70

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

##### 1.1.1

**The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment**

**Response:**

Being affiliated to Savitribai Phule Pune University, Pune (SPPU), Marathwada Mitra Mandla's Institute of Technology (MMIT) follows curriculum and academic calendar prescribed by the university. The institution ensures outcome-based education (OBE) through effective curriculum delivery with a well-planned and documented process. At institute level the planning, implementation and monitoring of the curriculum is being coordinated by academic monitoring committee. MMIT is the only institution affiliated with SPPU that offers a four-year multidisciplinary Mechatronics Engineering degree program as per NEP. The MMIT faculties collaborate with the SPPU Board of studies to finalize the program structure, design the curriculum, and implement the courses.

**Process for Effective Curriculum Planning:**

- Academic planning starts with the preparation of an Institute and department calendars in line with the SPPU calendar. The academic calendar and class timetables are prepared and displayed on notice boards and website to aware stakeholders.
- Before the commencement of the semester, the teaching load is distributed among all faculty members as per norms, considering their choice, area of interest, and experience. Subject prerequisite is prepared to make students understand about the background of subject. The academic preparation of faculty members includes teaching plans, course files, lab manuals, question banks, assignments and rubrics for internal assessment.
- Enterprise Resource Planning (ERP) system is in existence at the institute for all kinds of academic planning. The data pertaining to teaching and learning is uploaded onto the Learning Management System (LMS) of the vmedulife-ERP system.
- Gap identification is carried out based on CO-PO (Course Outcomes - Program Outcome) mapping and AICTE model curriculum. Efforts are made to bridge the gap by delivering the contents beyond syllabus, virtual lab experiments, expert sessions, industry visits, projects, internships, add-on course, etc.

**Process for Effective Curriculum Delivery:**

- The curriculum delivery is enhanced through the utilization of stepped, spacious classrooms



equipped with ICT facilities such as interactive panel boards, smart boards, LCD projectors, internet/Wi-Fi connectivity, etc. The laboratory sessions are carried out for the better conceptual understanding of practicals.

- In addition to classroom teaching, the supplementary academic activities include seminars, workshops, expertise guest lectures, group discussions, tutorials, quizzes, paper presentations, projects, assignments, etc. for effective delivery of curriculum, which are done in a well-planned manner.
- Faculties uses NPTEL/SWAYAM videos, contents from online courses, and webinars are used for effective curriculum delivery.
- For a batch of students, a faculty is designated as mentor i.e., Guardian Faculty Member (GFM). GFM monitors the performance of students and communicates with the parents to solve any kind of issues .
- The academic monitoring committee (AMC) reviewed the academic progress and conducts the academic audits twice in a semester.
- The Google Classroom platform was effectively used to conduct lectures, unit tests, mock tests, in-semester examinations, and share academic resources during the COVID pandemic.

#### **Continuous internal Assessment:**

- The Institute has adopted a transparent policy of continuous evaluation. Students' performance is evaluated continuously based on internal assessment tools such as unit tests, assignments, term work, etc. and external assessment tools such as University INSEM, END SEM, oral, practical, project examinations, etc. Indirect assessment is calculated by conducting course end surveys.
- The performance of students is communicated and corrective measures are taken for improvements.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## **1.2 Academic Flexibility**

### **1.2.1**

**Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during**

the last five years)

**Response:** 55

File Description	Document
List of students and the attendance sheet for the above mentioned programs	<a href="#">View Document</a>
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Evidence of course completion, like course completion certificate etc. Apart from the above:	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 1.2.2

*Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years*

**Response:** 65.38

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
985	690	301	465	619

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 1.3 Curriculum Enrichment

### 1.3.1

*Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum*

**Response:**

Cross cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability are addressed through implementing courses in the curriculum for building best character in the students and for the welfare of society.

**Professional Ethics:**

Professional ethics inculcated among students through various personality development programs, industrial visits, workshops, and seminars and following courses:

- Project-Based Learning: FE, SE
- Code of conduct, Business Communication Skills: SE
- Professional Ethics and Etiquettes, Skill development, Internships: TE
- Major and Mini Projects: TE, BE

**Gender:**

Institute ensures that educational materials and teaching methods are free from gender bias and stereotypes, allowing all students to engage with the content on an equal footing. The institute maintains a co-educational environment that fosters equal opportunities for individuals of all genders to participate voluntarily in all institute level activities, technical activities, student council, sports, cultural activities, National Service Scheme (NSS), and extension activities, special residential camps of NSS in adopted villages. The institution organizes expert lectures from renowned professionals to imbibe gender equality among all students. Students share views about their ideas and work together in project-based learning, mini projects, major projects, and Entrepreneurship activities without gender discrimination.

**Human Values:**

The inculcation of Universal Human Values among students is regarded as the most important aspect component of the curriculum. Students learn human values through different subjects such as

- Humanity and Social Sciences : SE
- Industrial Psychology and Organizational Behaviour: TE, BE
- Leadership and Personality Development: TE

The institute organizes Induction program which covers sessions on Universal Human Values, Physical Health and Related activities, lectures by Eminent Personality, social Entrepreneurship, heartfulness meditation sessions, etc.

Students are also being educated about human values through visits to orphanages that cater to

individuals affected by HIVs and mentally disabled students.

NSS unit conducts extension activities in adopted villages through residential camps at Wadhu (Bk) village and Snehwan (NGO) which support to the less fortunate children of suicide farmers and poor families. NSS also supports to Z. P. schools through supplying educational kits, providing infrastructure items and grocery, etc.

During covid'19 lockdowns, daily 200-250 meals were provided free of cost to needy people in the society.

Institution conducts a Blood Donation camp, celebrates Constitution Day, Yoga Day, Youth Day, Teachers Day, Engineers Day, Republic Day, Independence Day etc. to percolate values about nationalism and integrity.

The institute implement the earn and learn scheme for poor and needy students.

**Environment and Sustainability:**

Students are educated on knowledge of environment and sustainability through various academic courses such as

- Environmental Studies: FE, SE
- Waste Water Engineering, Sustainable Energy Systems: TE
- Air Pollution and Control, Energy Engineering, Solar and Wind Energy, Renewable Energy Technologies, Irrigation and Drainage, Industrial Safety and Environment Consciousness : BE

The institute conducts the tree plantation program every year to get awareness about environment and sustainability. The E-waste is collected in the institution and properly dismantled. Students are awared regarding in-house operational Biogas plant, Sewage Treatment Plant, Solar systems, Drip irrigation and rainwater harvesting, etc. through visits. They also study the green audit reports of the campus.

Our students have developed some innovative solutions to cater the needs of the Agricultural industry such as Solar Operated Seed driller and Fogging Sprayer Pump, Design & Fabrication of Sugar Cultivation Attachment etc.

The NSS conducts Swachh Bharat Abhiyan, Cleanliness, Poster competition to get awareness.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**1.3.2**

**Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)**

**Response:** 90.85

**1.3.2.1 Number of students undertaking project work/field work / internships**

Response: 1122

<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**1.4 Feedback System****1.4.1**

*Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website*

**Response:** A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

<b>File Description</b>	<b>Document</b>
Feedback analysis report submitted to appropriate bodies	<a href="#">View Document</a>
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	<a href="#">View Document</a>
Action taken report on the feedback analysis	<a href="#">View Document</a>
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1

##### Enrolment percentage

**Response:** 57.75

##### 2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2022-23	2021-22	2020-21	2019-20	2018-19
231	196	163	141	66

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
300	300	300	300	180

#### File Description

#### Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 2.1.2

*Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years*

**Response:** 43.58

##### 2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2022-23	2021-22	2020-21	2019-20	2018-19
59	67	52	40	23

### 2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
111	109	116	150	67

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	<a href="#">View Document</a>
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule ( Translated copy in English to be provided as applicable)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.2 Student Teacher Ratio

### 2.2.1

**Student – Full time Teacher Ratio**  
(Data for the latest completed academic year)

**Response:** 32.5

## 2.3 Teaching- Learning Process

### 2.3.1

**Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process**

**Response:**

In teaching, it is highly desirable to know exactly what one aims to achieve. Marathwada Mitra Mandal's Institute of Technology implements students centric learning activities and provides the platform for experiential learning, participative learning and problem solving methodologies in the following way:

**Experiential learning**

Teaching at any level requires integration of hands-on, internship, industrial projects, industrial visits, seminars, mini projects, case studies, Virtual Labs, etc for experiential learning. Through this learning we can achieve “I hear-I forget, I see-I remember and I do-I understand”. Experiential learning practices adapted are:

- Hands-on experimental sessions: The Institution has fully equipped laboratories to cater the need of syllabus in every department.
- Internships, industrial projects and industrial visits: It helps to bridge the gap between academia and industry and fosters hands-on training
- Seminars, mini-projects, case studies, practical assignments, etc.: Students learn from their experiences during various learning activities assigned to them like
- Virtual Labs: The Institution has the Virtual Labs Nodal Center (VLNC) of IIT Bombay which is a tool for performing online experiments on its platform.
- Online Courses: Students are encouraged to enroll for online certification courses on various technologies with Coursera, NPTEL, Eduskills, etc.
- In-house design and fabrication of ATV, Go-Kart vehicles: A separate design and fabrication workshop is available to students

**Participative learning**

The institution integrates Participative Learning by encouraging student's involvement in curricular, co-curricular and extra-curricular activities.

- Curricular Activities
  - Seminar Presentation: Students deliver seminar of a selected recent technologies in the inter and intra college activities
  - Project Presentation: A group of students present their project work in front of experts at a regular interval
  - Paper, Poster Presentation: Students are encouraged for paper publications based on their project work and also to participate in Paper Presentation in conferences and journals.



- Co-curricular Activities
  - Annual Technical Event: Annual Technical event “Techno-Sci” provides a platform to students for participating in various technical activities such as Project Competition, Poster Competitions, Robo-War, Lathe-War, etc.
  - Hackathon: Students are participating in National Level hackathon events.
  - Professional Body Activities: ISTE, IE, ISHRAE, etc
  - Department Associations and Student Club: Students associations are active in all departments and regular activities are conducted
- Extra-Curricular Activities
  - Annual Cultural Event “ANUBHUTI”: is organized every year for students to provide a platform to showcase their talent in singing, dance, drama etc.
  - Students actively take part in extension activities through student associations, NSS, NCC to provide services to society.

### **Problem solving methodologies**

Students are encouraged to problem-solving methodologies through a process of problem defining, determining the cause of the problem, identifying, selecting and implementing the solutions. Problem-solving skills are ensured through following activities

- Projects and model making: Students work on final year project, mini projects, technical quizzes, model making and case studies
- Project based learning is introduced right from the First Year
- Trial and Error, Breaking large task into small steps, Creating short goal, etc is a regular practice during the lab session
- Institution promotes Add-on courses on advance technologies and applications
- Institution has various software’s and e-learning resources to promote self-directed problem solving in student

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1

**Percentage of full-time teachers against sanctioned posts during the last five years**

**Response:** 73.45

#### 2.4.1.1 Number of sanctioned posts year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
63	57	54	52	49

#### File Description

#### Document

Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

### 2.4.2

***Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)***

**Response:** 22.28

#### 2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
12	11	8	7	7

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	<a href="#">View Document</a>
Institution data in the prescribed format	<a href="#">View Document</a>
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1

**Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient**

**Response:**

The Institute follows SPPU guidelines for internal assessment. There is complete transparency in the internal/external assessment. The grievance redressal mechanism available is also completely transparent, efficient and time-bound.

**Internal Assessment:**

- The internal assessment is done through unit test, assignment, Continuous Assessment System (CAS), project reviews, seminar review etc.
- Unit tests/Assignments are conducted unit wise and evaluation is done by the course coordinator. The corrected answer papers and evaluated assignments of the students are distributed to them for the verification.
- Remedial action is taken for failed and absent students in the form of retest/assignment.
- Term-work evaluation is based on Continuous Assessment System (CAS) and mock OR/PR examination.
- Department internal examination coordinator maintains record of unit tests attendance & results summary sheet for all courses.
- Performance of the students is assessed for every experiment which includes regularity & punctuality, understanding and preparation, participation in conduction of experiment and post experiment skills.
- The project, seminar evaluation is done by a review committee along with the project guides.
- These marks carry weightage in the final university examination results.

**External Assessment:**

- SPPU prepares and shares examination schedules to affiliated colleges.
- Theory/OR/PR examinations are conducted by the Savitribai Phule Pune University (SPPU). The marks allocated for each subject are as per the syllabus structure.
- University appoints subject wise external examiner for conduction OR/PR examination.
- Project evaluation is carried out by SPPU appointed experts / examiners from Industry / other universities.
- Theory examination paper setting & evaluation is done through the subject chairman, paper setters and examiners appointed by SPPU.
- SPPU appoints an External Senior Supervisor and Institute appoints Internal Senior Supervisor for smooth conduction of Theory Examination.

### Grievance redressal

The institute has adopted a fair and transparent process for the evaluation of students prescribed by the affiliating university. There is a well defined mechanism for the time bound grievance redressal related to the internal examinations by the institute and for grievances relating to the external examinations by SPPU.

- Grievances regarding internal assessment are resolved immediately by the respective course coordinators.
- To address all examination and evaluation related Issues, the Institute has appointed a College examination officer (CEO) as per the directives of SPPU.
- All grievances regarding SPPU examinations are discussed with the Principal and forwarded by the CEO to the SPPU examination section and get it resolved.
- Students are allowed to apply for reevaluation, recounting by paying necessary processing fees to university if they are not satisfied with the university evaluation.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

### 2.6.1

*Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website*

#### Response:

Marathwada MitraMandal's Institute of Technology is working with the objective of Outcome Based Education (OBE). As a part of compliance of OBE, Program Outcomes (POs), Program Specific Outcomes (PSOs), Course Outcomes (COs) are prepared. As given by NBA, the twelve engineering graduate attributes are referred to as Program Outcomes (POs). Program Specific Outcomes (PSOs) are

framed by the respective programs in-lined with the vision and mission of the program. Course Outcomes (COs) are defined for every course by respective course coordinators.

**Program Outcomes (POs):** It represents the knowledge, skills and attitudes the students should have at the time of completion of their respective engineering program.

**Course Outcomes (COs):** It gives the resultant knowledge and skills the student acquires at the end of each course. It defines the cognitive processes a course provides. The course outcomes are defined as per the contents (units) of each course. Generally four to six course outcomes are defined for each course. The course outcomes are provided by the SPPU along with the syllabus. As per the requirement course outcomes are modified and re-framed by the course coordinators.

**Program Specific Outcomes (PSOs):** These are what the students should be able to achieve at the time of graduation. Each program has defined two to three Program Specific Outcomes.

**Dissemination:**

- The Vision, Mission, COs, POs and PSOs, PEOs are displayed on the Institute website (www.mmit.edu.in).
- It is also displayed at prominent locations of the campus for staff, students and public view.
- Course Outcomes are communicated to the students during the introduction class itself. During the discussion of the course, the outcomes of the course are also focused.
- It is shared with the students on Academic ERP and Google Classroom.
- It is communicated to employers and alumni.
- It is communicated to parents during the Parent Teacher Meeting (PTM).
- It is attached in the course files, laboratory manuals, journals, seminar reports and project reports etc.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**2.6.2**

*Attainment of POs and COs are evaluated.*

**Explain with evidence in a maximum of 500 words**

**Response:**

The attainment of Course Outcomes (COs) are evaluated using internal and external assessment tools, while the attainment of Program Outcomes (POs) are evaluated using Direct and Indirect assessment methods.

**CO-PO Mapping:**

- The course coordinator prepares a matrix of CO-PO & CO-PSO mapping.
- The justification of CO-PO & CO-PSO mapping is also provided.
- The tools for attainment of COs are defined for each course.
- The attainment of COs, POs, PSOs is calculated using direct and indirect tools
- Direct Evaluation Tools: It includes Internal and External Assessment Tools
  - Internal Assessment tools include Unit Tests, Assignments, Term Work, etc.
  - External Assessment tools include University In-Semester, End-Semester examinations, Oral / Practical, etc.
- Indirect Evaluation Tools: Indirect attainment of POs and PSOs is calculated based on various surveys and feedback.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**2.6.3****Pass percentage of Students during last five years (excluding backlog students)****Response:** 90.05**2.6.3.1 Number of final year students who passed the university examination year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
228	163	216	214	247

**2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
289	181	227	220	269

<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format	<a href="#">View Document</a>
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	<a href="#">View Document</a>
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

### 2.7.1

#### Online student satisfaction survey regarding teaching learning process

**Response:** 3.68

<b>File Description</b>	<b>Document</b>
Upload database of all students on roll as per data template	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

#### 3.1.1

*Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)*

**Response:** 17.36

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

2022-23	2021-22	2020-21	2019-20	2018-19
3.59	1.33	0	8.65	3.79070

#### File Description

#### Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

### 3.2 Innovation Ecosystem

#### 3.2.1

**Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident**

**Response:**

MMIT believes in inculcating innovation among students by contributing to the nation's development which results in the creation of solutions for current techno-social problems. MMIT created an ecosystem for innovations and Indian Knowledge System (IKS) by establishing:

1. Incubation Centre
2. Research and Industry Relations Cell (IPR Cell)
3. Entrepreneurship and Innovation Cell (MEIC)
4. Professional Bodies Membership and Technical Clubs

**Ecosystem for Innovations and Incubation Center:**



As a part of this ecosystem, Marathwada Mitra Mandal (MMM), Pune, in collaboration with Tata Technologies and Science and Technology Park (SPPU), has established a state-of-the-art foundation called the Make It Happen incubation Center for Invention, Innovation, and Incubation (FMCIII) for MMIT and its sister institutes. The FMCIII center is located at Karvenagar, the campus of MMM.

The FMCIII serves as a platform for fostering innovation and creativity within the institute. It facilitates the transformation of ideas into tangible products. As an example, Mr. Rajat Singh, an MMIT student, has founded Saphite Technologies Pvt. Ltd. in collaboration with FMCIII.

### **Research and Industry Relations Cell:**

This cell inculcates a research culture among students and faculty and conducts sessions to promote research and aid in publications. The cell consists of an **R&D and IPR cell**, which pertains to Research Methodology, Intellectual Property Rights (IPR), and entrepreneurial activities in the institute.

A total of 190+ activities have been organized in the institute over the last five years.

### **Entrepreneurship and Innovation Cell (MEIC) and Institution Innovation Council (IIC):**

The MEIC cell aids in the development of the entrepreneurial ecosystem at the institute level. The Institutional Innovation Council (IIC) is established as per the Ministry of Education Innovation Cell (MIC) and AICTE guidelines. The meetings and activities were conducted according to the IIC calendar.

The MEIC and IIC activities majorly include entrepreneurship and innovation workshops, field visits to industries and incubation units, awareness camps, business plan competitions, ideation and hackathon competitions, poster presentations or exhibitions of startups and linkages, expert talks, etc.

### **Professional Bodies Membership and Technical Clubs:**

The institution has well established chapters under professional bodies such as ISTE, SAE, IEI, and ISHRAE.

The ISHRAE chapter received a certificate of appreciation from Poona North Rotary Charitable Trust and ACR Project Consultants Pvt. Ltd. for its excellent performance and special interest in the field of Refrigeration and Air-conditioning in 2022. The student members also received appreciation certificates from ISHRAE in 2022–23.

The SAE chapter and student club received multiple awards and appreciations from 2018-19 to 2022-23 in ATV Go-Kart and SAE BAJA competitions such as Overall Championship, 1st Prize in Design Evaluation, Achievements on various test parameters as Best Acceleration, Best Suspension, Best Endurance, Best Driver, Best Auto Cross, Best Skid Pad, etc., The faculty advisor also received the “Best Faculty Advisor” award in the Aravali Terrain Vehicle Championship (ATVC) in 2023.

The institute also boasts industry liaison through institute and faculty memberships such as CII, MCCIA, SECI, CSI, ACM, BAI, Eduskills, etc. The various technical clubs are also associated with all departments, such as MESA, ICON, Tech Yuva, SESA, etc. Students and faculty also published articles in the ISTE-published Journal of Technical Education.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.2.2

*Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years*

**Response:** 168

**3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
38	31	41	37	21

<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 3.3 Research Publications and Awards

### 3.3.1

**Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**

**Response:** 0.04

**3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
01	0	0	0	01

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	<a href="#">View Document</a>
Link to re-directing to journal source-cite website in case of digital journals	<a href="#">View Document</a>
Links to the papers published in journals listed in UGC CARE list or	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.3.2

**Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**

**Response:** 0.78

**3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
14	05	21	0	0

File Description	Document
List of chapter/book along with the links redirecting to the source website	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.4 Extension Activities

#### 3.4.1

**Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.**

**Response:**

The Marathwada Mitra Mandal was founded with sole objective of “Welfare of Masses” in order to contribute to the social welfare. The institute collaborates with non-governmental organizations, government entities, and other local stakeholders to implement a range of initiatives aimed at benefiting the surrounding community. The efficacy of sensitizing students to social issues and promoting holistic development through diverse extension activities was deemed exceptional, with the resulting impact on society as follows:

Sr. No.	Name of the Activity	Sensitization and holistic development of the students	Impact on Society
1.	Yoga and Meditation Awareness Programs	Enhanced holistic approach and grew physically and mentally robust.	The Significance of Yoga and Meditation in Societal Dissemination
2.	Digital Awareness Program	The promotion of awareness and sensitization regarding digital transactions	The advent of the digital revolution has engendered prospects for economic empowerment, particularly among marginalized populations.
3.	Tree Plantation Program	Recognized Responsibility and Importance for the Planting and Growth of Trees	People planted and cultivated trees at their locations.

4.	Blood Donation Camps	The cultivation of empathy towards individuals seeking blood transfusions was fostered.	The blood bottles were administered to the hospitalized patients.
5.	Swachh Bharat Abhiyan	Comprehension of the Importance of Cleanliness, Health, and Hygiene	Enhanced levels of cleanliness, health, and hygiene within the community
6.	Women's Empowerment and Health Issues	Heightened awareness and overall development of female students in various aspects of their lives	The health and social development of families and communities
7.	Awareness of Sexual Harassment of Women	Awareness of different forms of sexual harassment in the workplace and understanding of the '3p's' (priorities, philosophy, and purpose)	Awareness about the importance of sexual harassment at the workplace and in public places
8.	Celebration of the Constitution, Vachan Prerna, Reading Motivational Day, National Unity Days	Awareness on the importance of the constitution, unity days, and reading literature	Awareness of the importance of each day.
9.	Voter Awareness Program	Sensitize the voters about the importance of participation in an electoral process and to ensure a responsive, accountable, and democratically elected government in India.	Awareness of the importance of democracy and constitutional responsibility.
10.	Andhashradha Nirmulan Program	Spread and develop a scientific nature among the students and awareness of constitutional and humanistic principles in life.	To initiate scientific, social, and constitutional wisdom and responsibility towards society
11.	Youth Development Programs	Foster team building, confidence, and a positive attitude through extracurricular activities.	Awareness of their social roles and future contributions as responsible corporate citizens.
12.	Street Plays	Participation in denotational programs and activities	Awareness of farming suicide, plastic ban, anti-tabacco campaign, etc.

13.	Road Safety Program	The significance of being cognizant of traffic regulations and adhering to the practice of wearing helmets for the purpose of safety	Awareness of the importance of traffic regulations and the promotion of road safety
14.	Special Residential Camps	Students will get new opportunities to develop their skills and leadership abilities. These activities enable students to identify real-life problems in rural areas.	The villagers derive benefits from various activities facilitated by the active involvement of student's volunteers.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.4.2

#### **Awards and recognitions received for extension activities from government / government recognised bodies**

##### **Response:**

The act of contributing to the community and exerting a positive influence on it is of utmost importance. The overarching objective should encompass both personal success and societal improvement. This objective can be achieved by enhancing public consciousness, engaging in proactive involvement in government-led initiatives, and various other activities. Our institution endeavors to comprehensively analyze all facets of issues and offer effective resolutions for them.

MMIT has conducted numerous extension activities beyond the campus, in and around Pune, and has received numerous awards and letters of appreciation from government and government recognized organizations. The primary objective of the extension activities is to foster social responsibility among the student body. Extension activities are implemented through multiple channels, involving various organizations such as the National Service Scheme (NSS), Department Club, Professional Club, and Technical Club. This can be accomplished through a variety of means, including raising awareness and actively participating in government-sponsored campaigns. Our institute endeavors to examine all facets of a problem and provide viable solutions.

We strongly uphold the principle that "save blood saves lives." An annual blood donation drive is organized by our institution, wherein numerous faculty members and students have been acknowledged for their altruistic contributions in the form of blood donations. The Sasson Regional Blood Bank (Thalassemia Center) and R. G. Gholap Memorial Blood Bank are hosting the blood drives. The students are provided with education regarding blood donation and are encouraged to register as donors.

The National Service Scheme (NSS) institute actively engages in collaborative efforts with government-supported non-governmental organizations (NGOs) and school initiatives, such as contributing to grocery donations, providing infrastructure items, supplying educational kits, offering educational sessions to mentally disabled students, and implementing computer literacy programs for boys and girls affected by HIV, among other activities. The NSS special camps were conducted in NGOs and villages that have been adopted by the program.

**The aforementioned activities are predominantly conducted.**

Sr. No.	NSS Camps Locations	Activities
1.	Snehawan NGO	MMIT students have contributed to cleaning activities (Shramdan) and sessions on computer literacy, mathematics, and chemistry with live demonstrations. The other cultural, technical, sports competitions, and drawing activities are also conducted.
2.	Vadhu Budruk Village Vadgaon Ghenanad Village	Swachh Bharat Abhiyan, Tree Planation, Digital India Campaign, Andha Shradha Nirmulan, Tobacco Free India Campaign, Importance of Elections, Cleanliness, etc. activities were conducted.

**The institution has received the following letters of appreciation and recognition from various government and other recognized bodies:**

1. Appreciation letter from BVJSS Organization, Pune
2. Appreciation letter from Snehwan NGO, Pune
3. Appreciation letter from Mamta Foundation, Pune
4. Appreciation letter from R. G. Gholap Memorial Blood Bank, Pune
5. Recognition letter from Z. P. School, Pune
6. Appreciation letter from Sasson Regional Blood Bank
7. Recognition from Maharashtra Times, Sakal, Pudhari, and Lokmat Newspaper
8. Appreciation letter from Gram Panchayat, Vadhu Budruk, Dist. Pune
9. Appreciation letter from Gram Panchayat, Dhamari, Dist. Pune

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.4.3

*Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.*

**Response:** 38

**3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
14	06	03	08	07

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 3.5 Collaboration

### 3.5.1

*Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.*

**Response:** 280



<b>File Description</b>	<b>Document</b>
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	<a href="#">View Document</a>
List of year wise activities and exchange should be provided	<a href="#">View Document</a>
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1

The Institution has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

#### Response:

To facilitate effective teaching and learning to the students, MMIT provides state-of-the-art infrastructure facilities as per the norms specified by AICTE, DTE and Savitribai Phule Pune University (SPPU). Modernization and updating of infrastructure resources are carried out from time to time even over and above the norms of AICTE and SPPU for effective teaching and learning. Modern educational infrastructures are available for students like spacious classrooms, well equipped laboratories, computing equipments like LCD projectors, computers, laptop, internet and WIFI facilities, ICT enabled smart classrooms, LMS, Interactive Boards, cultural and sports facilities, yoga center, indoor and outdoor games facilities, gymnasium and auditorium in the campus.

#### Classroom & ICT Facilities

The institute has ICT enabled spacious classrooms, smart classrooms, seminar halls and drawing halls as per norms. For efficient Teaching–Learning Process, Class rooms are well equipped with white board, green board, LCD projector along with LAN, internet, Wi-Fi, laptops, power backup facility, furnitures and CCTV cameras. Also, tutorial rooms are available for conducting the tutorials.

Learning management system (LMS) is available that enables creation, storage, management, and delivery of educational content in the Institution.

#### Laboratories Facilities

Institute has 30 Laboratories for all departments that are well equipped with necessary equipment and UPS backup Facility. They are well maintained and updated regularly. Lab readiness is checked before the commencement of every semester and maintenance is carried out if necessary. Workshop and additional workshops are fully equipped with ample availability of tools and machinery including CNC. Dedicated in-house design and fabrication facilities are made available for manufacturing ATV and go-Kart vehicles

#### Cultural Facilities

Institute has an amphitheater having area 600 sq.mtr with good landscaping and ample seating capacity to conduct cultural activities and also provides an opportunity for students to showcase their talent in

acting, singing, dancing, drama, etc. For practice, required instruments are made available as per requirement of students. Students also participated in external Cultural activities like 'Firodyia karandak' and 'Dajikaka karandak'.

### Sports Facilities

The Institute has a dedicated playground spread over an area of 6.7 acres for outdoor sport activities such as Cricket, Kabaddi, Kho-Kho, Football, volleyball, kabaddi, basketball, etc. The Institution also has dedicated halls for conducting indoor sports such as table tennis, badminton, carrom, chess, etc. The institute has appointed a director of physical education who looks after all sports activities in the college.

**Gymnasium:** Gymnasium of 100 sqm size is available with a variety of exercise equipment such as rubber weight plates, rubber dumbbells, single and double bar, magnesium bike, bench Press, etc.

**Yoga center:** Institute has dedicated space for yoga center for facilitating yoga practices. Art of living courses are organized for students and faculties. The institute conducts motivational lectures for stress management, better academic performance, time management, etc. Our staff member Mr. Khawale conducts yoga sessions for students and faculties.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

#### 4.1.2

*Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years*

**Response:** 28.6

**4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
71.1125238	204.4815515	0.21846	7.798678	20.80507

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1

*Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students*

#### Response:

The Central Library of the Institute has an integrated Library Management System(ILMS), books and magazines. The Central Library is well-equipped with Reference Section, Journal Section, Reading Hall, Digital Library and Stack-Room. The library has institutional memberships of Jayakar Library (SPPU) and Automotive Research Association of India (ARAI) Knowledge Center.

The central library has an e-library (Digital library) section comprising 20 computers for accessing e-resources, e-journals, e-books, DELNET, NDLI, NPTEL Videos, Swayam, etc. e-journals can be remotely accessed through username and password. The Institution has also maintained a separate departmental library in each department. The Central Library aims to increase the quality of books, e-books, e-journals, print journals & new services every year.

Book-bank Scheme, printing and reprographic facilities are available for students.

#### **Integrated Library Management System (ILMS):**

Library automation has been done with ILMS and ERP.

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

The details of the library management software are as follows : SLIM - 21, version 3.9.0. Nature of automation (fully or partially) : Fully Automated Year of Automation : 2011 with bar code Laser Scanner

Model : SCANLIFE SL 2230AT + with USB cable and stand and Year of Automation : 2017. The contract for operational guidance and support is renewed every year. A good number of books are purchased every year as per requirement.

The Online Public Access Catalog tool is provided to explore library resources. Various search options available are General Search wherein Users can search the library resources using Title, Author, Publication, Keywords and Classification number. Advanced Search facilitates search through various combinations such as Title, Author, Publication, Keywords, Classification number. Also Accession Search which is Quick search of books can be done by using accession numbers. OPAC link is shared on the college website under facilities page .

Vmedulife Enterprise Resource Planning (ERP) Software is also used for the Central Library.

#### **Subscriptions to e-resources:**

The e-resources are subscribed regularly for membership of e-Books, e-journals, DELNET, ARAI and Jayakar Library.

#### **Optimal use of Library by faculty and students:**

MMIT central library shows usage by 60 users per day for issue of books, return of books, OPAC, e-journal and use of reading hall by the students and faculty members.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## **4.3 IT Infrastructure**

### **4.3.1**

#### **Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection**

*Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words*

#### **Response:**

Marathwada Mitra Mandal's Institute of Technology is having state-of-the-art IT infrastructure which is being continuously upgraded according to the advancement in technology and demands of the teaching learning process. In order to strengthen the IT infrastructure, the institute has been providing the best quality computers (i5 & i7), sufficient internet bandwidth, central servers, LCD Projectors, smart boards, Interactive Intelligent Panels (IIP), ERP, licensed & open source software, licensed Antivirus, Wi-Fi

devices, CCTV, UPS, Firewall, Internet Switches, Face and FingerPrint based attendance system integrated with ERP software

All computers in the Laboratory are connected in LAN for resource sharing. Expensive hardware like printers and drives can be shared by several users when they are attached to a network. For Network security Sonic Firewall is installed in the college with regular updating and renewed regularly

#### **Computers and ICT Facilities:**

- Intel-i7-11th Generation and i5-12th Generation computers, Laptops
- 436 Computers are exclusively available for students use with the computer : student ratio - 2.83 : 1
- 69 printer/scanners/Xerox Machines/Digital Fast copier
- 46 LCD projectors in the classrooms
- 08 Interactive Intelligent Panel (IIP)
- 03 Smart Board
- 15 UPS for power back-up (Vertive/APC 6 KVA UPS with 42/26 Ah batteries)

#### **Internet Bandwidth and Wi-Fi Device:**

- 300 Mbps fiber optic internet connectivity along with standby 300 Mbps backup RF link with 1:1 Ratio
- Wi-Fi facility with Unibox (Wi-Fi Controller) for campus-wide networking
- 40 Active password protected access points with MAC filtering
- 1000+ Students use Wi-Fi facility

#### **Network Devices:**

- Dell NSA 4600 Firewall - 01 No.
- Cisco/TP-Link/D-Link/Netgear-Switch & 28-Port/24-Port/16-Port/8-Port - 42 Nos Switches.

#### **Servers:.**

- Central base IBM server with Intel processor (6 core), 32 GB RAM, 300 GB HDD

- DELL Workstation Configuration processor 12th Generation, i7,12 Core,4.9 GHz,32 GB RAM 1 TB HDD 500 GB SSD used for ANSYS, AutoCAD etc

**Softwares:**

- Application Software like Office, Tally ERP 9.6, Quick heal Antivirus, MATLAB, CATIA, Ansys, Autocad etc
- System software like Windows 10, Windows 11, Windows Server 2019, Linux, Ubuntu, Microsoft Defender
- Open-Source Software like Selenium Tool, Python, R-Programming, Java, Android, Tableau etc. are used in Computer Labs
- Licensed software Google Workspace teaching & Learning platforms used for conducting online Lectures, Workshop, Seminars, Guest Lectures
- SLIM21 is a comprehensive library automation software used to perform all the operations and activities of a fully electronic library
- Licensed Quick Heal Seqrite Antivirus software protection offers the toughest defense against viruses, ransomware, malware, Wi-Fi vulnerabilities, and more to the Institute

**CCTV:** MMIT Campus equipped with 162 CCTV Cameras (2 MP) 1080p HD display

**Attendance System:** Face and FingerPrint based attendance system integrated with ERP software

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**4.3.2**

**Student – Computer ratio (Data for the latest completed academic year)**

**Response:** 2.83

**4.3.2.1 Number of computers available for students usage during the latest completed academic year:**

**Response:** 436

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	<a href="#">View Document</a>
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 4.4 Maintenance of Campus Infrastructure

##### 4.4.1

*Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)*

**Response:** 39.68

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

2022-23	2021-22	2020-21	2019-20	2018-19
174.988583	76.140322	25.370809	70.924111	74.871354

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>



## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1

*Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years*

**Response:** 83.16

**5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
1032	943	704	599	614

#### File Description

#### Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 5.1.2

*Following capacity development and skills enhancement activities are organised for improving students' capability*

- 1. Soft skills*
- 2. Language and communication skills*
- 3. Life skills (Yoga, physical fitness, health and hygiene)*
- 4. ICT/computing skills*

**Response:** A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	<a href="#">View Document</a>
Report with photographs on ICT/computing skills enhancement programs	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.1.3

**Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years**

**Response:** 78.35

**5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
749	896	738	567	717

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 5.1.4

***The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases***

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

**Response:** A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	<a href="#">View Document</a>
Proof related to Mechanisms for submission of online/offline students' grievances	<a href="#">View Document</a>
Proof for Implementation of guidelines of statutory/regulatory bodies	<a href="#">View Document</a>
Details of statutory/regulatory Committees (to be notified in institutional website also)	<a href="#">View Document</a>
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.2 Student Progression

### 5.2.1

**Percentage of placement of outgoing students and students progressing to higher education during the last five years**

**Response:** 71.31

**5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
142	132	179	142	168

**5.2.1.2 Number of outgoing students year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
228	163	216	216	247

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	<a href="#">View Document</a>
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.2.2

*Percentage of students qualifying in state/national/ international level examinations during the last five years*

**Response:** 7.49

**5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)**

2022-23	2021-22	2020-21	2019-20	2018-19
9	5	3	2	4

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.3 Student Participation and Activities

**5.3.1**

**Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years**

**Response: 12**

**5.3.1.1 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 wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
03	05	03	0	01

**File Description****Document**

Upload supporting document

[View Document](#)

list and links to e-copies of award letters and certificates

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

**5.3.2**

**Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

**Response: 15.2**

**5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
24	14	10	12	16

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 5.4 Alumni Engagement

### 5.4.1

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

#### Response:

The institution has registered an Alumni Association named as "**Alumni Association of Marathwada Mitra Mandal's Institute of Technology (AAMMIT)**" and is registered with the Assistant Registrar of Society, Pune Region, Pune (**Registration number: Maharashtra/189/2017/Pune**) The main objective is to develop a strong bond between the alumni, institution and the students.

The establishment of an alumni organization helps to build and sustain enduring ties with our alumni, the Institute and current students. The college organizes an Alumni Annual Meet every year. Currently, the alumni association of the institute **AAMMIT** has over 1100+ registered alumni members.

#### **Non-Financial and Financial Contribution of Alumni Association:**

**·Contribution to academic advancement:** Our alumni members actively participate in enhancing the curriculum by serving as project mentors, members of jury panels for technical events, and industry experts

**·Contribution to summer internships & placements:** **AAMMIT** alumni make valuable contributions to summer internships and job placements. They play a pivotal role in offering internship opportunities to current students and assist in improving their employability through mentoring and guidance.

**·Training, Career Guidance, and Counselling Sessions:** The Alumni Association arranges and hosts sessions aimed at providing career guidance and counseling for current students. During these sessions, alumni draw from their real-life corporate experiences to familiarize students with the realities, challenges, and opportunities of the corporate world. This valuable insight assists students in making informed decisions about their specialization based on the practical knowledge shared by alumni.

**·Annual Alumni Meet:** The Alumni Association of Marathwada Mitra Mandal's Institute of Technology (**AAMMIT**) hosts an annual 'Alumni Meet'. This event typically includes an inauguration ceremony, alumni engagement with current students, cultural performances by the present student cohort, and a dinner. During this program, alumni provide insights into various specializations and industries to the current batch of students. They share their corporate experiences, offer guidance to the current students, and pledge to maintain ongoing communication and support

**Financial aids:** Alumni also contribute to the development of the institution by providing financial aid. The alumni association AAMMIT also has a provision for a scholarship program for students from the economically weaker sections. AAMMIT has generated Corpus money Rs. 8,47,500/- in the last five years for the development of students.

**Feedback Mechanism:** We have established a consistent feedback system with our alumni to facilitate the ongoing development of our college and curriculum. The feedback we receive is meticulously analysed and employed to enhance various aspects of the institution.

**Industry Linkage:** The alumni members are involved in arranging various industrial visits for the students

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1

*The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.*

#### **Response:**

Vision of the Institution: Techno-Social Excellence

Mission of the Institution: Our mission is to

- Enhance technology transfer
- Implement entrepreneurship
- Promote global competency
- Integrate innovative pedagogy
- Create excellent human resources

Principal of the Institute, duly appointed through the staff selection committee of SPPU, is head of the Institute and is vested with necessary powers for smooth functioning of the Institute towards achieving its mission. MMIT ensures good governance system through decentralization of leadership and involvement of stake holders in decision making at appropriate levels. For this purpose, core values are defined and are as follows:

Core Values of MMIT:

- Team Work
- Adaptive Research
- Lifelong Learning
- Societal Trust
- Value Based Ethics

#### **NEP Implementation:**

The Institution is also working in-line with *NEP* policies such as employability improvement, student's participation in activities, empowerment of SC students, E-content development, Earn-&-Learn scheme, faculty training, financial assistance to economically weak students, funding to staff for empowerment, government scholarships, provision of dining and sports areas, cutting edge courses, research culture, technology use and integration, startup support, use of AI, disabled friendly campus, innovative teaching etc. to achieve national education goals or standards.

#### **Sustained Institutional Growth:**



The Institution has continuous growth and development in number of admissions, increase in intake, academic programs, infrastructure enhancements, number of placements.

### **Decentralization:**

The Institution practices decentralized work structure. It follows guidelines provided by Governing Body (GB), College Development Committee (CDC). Financial aspects of the Institution are administrated by the Principal under guidance and support of the Management. The IQAC works towards improvement of overall quality of the Institution. Decentralization is reflective from committees formed under the Deans and HODs. These committees meet at regular intervals to review and decide the workflow.

### **Participation in governance :**

Participative management is ensured by the representation of stakeholders on various committees including GB, CDC, IQAC and other functional committees. Administrative and academic decisions are percolated by the Principal through Administrative Officer and HoD to the department staff for the decision-making and governance processes.

Examples for Decentralization and Participative Management:

#### *Practice-1 : Industry Institute Interaction Committee*

The "Industry Institute Interaction" committee operates under the leadership of the Dean of Research and Industry Relations. It comprises staff from all the departments. The committee encourages relationship enhancement between institution and industry through staff visits. The output of the committee's work is visible in the form of industry sponsored projects, industry visits, placements, internships, industry expert lectures etc.

#### *Practice-2 : Technical Events Committee*

The "Technical Events" committee operates under the leadership of the Dean Student Affairs. It comprises staff as well as student representatives from all departments. Through the coordination of this committee a technical event named "Technosci-2K23" was successfully organized at the institution with objective as recent technological developments. Participants from all over Maharashtra participated in it.

### **Short-term and Long-term Institutional Perspective Plan:**

The Institution has chalked out short-term and long-term perspective plan, based on inputs from various committee meetings and stakeholders, to help the institution achieve its vision and mission

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1

*The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc*

#### **Response:**

The institution prepares strategic plan keeping in view short term and long term goals. The Institution has effectively deployed a well-defined strategic plan mentioned as below:

#### **Strategic Plan and its deployment:**

The Institution has undertaken various activities for successful deployment of strategic plan as follows:

1. *Curricular aspects and enrichment:* Focusing on further improvement of OBE methodologies, CO-PO mapping and attainments are streamlined across all departments. The emphasis is being given on improving students skills and the competency level of students. Add-on courses are conducted across all departments. The institution has also signed an MoU with EduSkills, to promote skill development and training courses.
2. *Research and extension services:* Collaborations with industries are initiated with MoUs for multi-disciplinary and interdisciplinary development. Faculties are encouraged to publish their research articles in reputed indexed journals.
3. *Infrastructure development & learning resources:* The institution has significantly upgraded the Lab infrastructure, IT and learning resources including laboratory equipment, i7 and i5 processors based PCs, interactive boards, projectors etc. by expenditure provisions for the same.
4. *Improving governance and human resources:* Institution has already initiated the process of permanent affiliation with the university. The Institution uses the ERP system in its governance and human resources. Experienced and Ph.D. faculties are recruited.
5. *Enhancing industry institute interaction and training & placement activities:* Strengthening of the industry institute interaction, has resulted into increase in student's internships in industry, industry sponsored projects etc. Institution has arranged various placement drives on its own campus with reputed companies across all departments. As a result, the placement percentage is improved.

The effective and efficient functioning of the institution is achieved through regular meetings of the various committees such as Governing Body (GB), Campus Development Committee (CDC), IQAC and other functional committees under deans, through implementation of policies, administrative setups, appointments, service rules, procedures as per below details:

#### **Policies:**

The Institution has framed well defined policies such as Strategic plan, Recruitment policy, Appraisal policy, Academic Policy, Fund Mobilization Policy, etc. for smooth execution of the administrative activities. The implementation of these policies is ensured through regular follow up.

#### **Administrative setup:**

The organizational structure of the Institution is headed by the Management. Overall administration is headed by the Principal and is decentralized and percolated by IQAC through Deans and HODs. Various functional committees consisting of staff members and students are categorized under administration, academic, student affairs and R&D which are headed by Deans.

#### **Appointment:**

The appointment of teaching and supporting staff is done as per the norms laid down by AICTE/UGC/SPPU.

#### **Service Rules for teaching and non-teaching staff:**

The services of employees are governed by the Maharashtra Universities Act, 1994, Statutes, Code of Conduct, Ordinances, rules and regulations laid down by the Savitribai Phule Pune University Pune, State Government, Marathwada Mitramandal Trust, from time to time.

#### **Procedures:**

The institution follows predefined procedures for various activities, such as purchase procedure, write-off procedure, maintenance procedures etc.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Institutional perspective Plan and deployment documents on the website	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

#### **6.2.2**

##### ***Institution implements e-governance in its operations***

- 1. Administration**
- 2. Finance and Accounts**
- 3. Student Admission and Support**
- 4. Examination**

**Response:** A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	<a href="#">View Document</a>
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	<a href="#">View Document</a>
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 6.3 Faculty Empowerment Strategies

#### 6.3.1

**The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression**

**Response:**

#### **Appraisal System**

##### **i) Appraisal system for teaching staff**

The appraisal system of Institution for teaching staff is based on revised 360° feedback and Performance Based Appraisal System (PBAS) guidelines suggested by AICTE, dated 1st March, 2019. The parameters of assessment are as below:

Teaching Learning process - 25 points

Students' Feedback - 25 points

Departmental activities - 20 points

Institute level activities -10 points

Professional Development- 5 points

Contribution to society - 5 points

ACR (Annual Confidential Report) - 10 points

##### **ii) Appraisal system for non-teaching staff**

Institution has devised a performance appraisal system for its non-teaching staff based on parameters:

Lab Practical Conduction - 25 points

Lab and Maintenance Activities - 25 points

Department Activities - 20 points

Institute Level Activities - 20 points

Contribution to society - 5 points

ACR (Annual Confidential Report) - 10 points

Before the commencement of the academic year, staff members are made aware of the appraisal system and parameters. The self-appraisal form submitted by them is assessed by an interdepartmental committee, respective HODs and further verification is done by the Principal. Counseling is done for improvement if the performance is not satisfactory. Suggestions for improvement and betterment are given to staff and corrective actions / appreciations are suggested to staff wherever necessary.

### **Welfare Measures**

Institution and management makes sincere efforts to provide effective welfare measures to its staff as described below:

#### *Credit Cooperative Society:*

MMM's Sevakanchi Patsanstha Ltd (Credit Cooperative Society)- All staff are eligible to become a member of this Credit Cooperative Society. The benefits include:

- Zero interest loan facility: Member staff can avail a zero interest loan facility up to Rs. 27,000/- to purchase a laptop for educational enhancement of the staff and their family.
- Low interest loan facility: Over and above this, all the members can avail low interest loan facility.
- Felicitations of meritorious staff members and their children.

#### *Financial welfare measures:*

- Institute has procured a "Group Health Insurance policy" & "Group Accident Suraksha Policy" for all the staff members.
- Provision of Employee Provident Fund for all staff and faculties
- Gratuity benefits are made applicable to all staff
- Institute pays advance salary to staff in case of emergency and during festivals like Diwali
- Reimbursement of participation fees for staff attending FDPs, Workshops, Seminars, Conferences, etc. and also the Professional Body membership fees.
- Bus facility available at affordable charges to needy staff.

#### *Non-Financial welfare measures:*

- Special medical leave to staff members including additional leaves in case of emergencies. (Provision of 21 days paid leave to covid affected staff)
- Provision of maternity leave to female staff members.
- Organization of professional development programs
- Organization of self development programs such as *Yoga* sessions.
- Staff quarters available within the premises.
- Provision of earned leave to support staff.
- Provision of compensatory leaves for extra work other than normal working hours to all staff.
- Tea / coffee through vending machine available to all stakeholders free of cost.
- RO Purified water facility available across the campus.

### Avenues for Career Development

- Staff are allotted important responsibilities at different academic and administrative works for exploring their skills and utilization of their expertise.
- Organization of workshops such as PBL, NEP etc. for staff.
- Provision of leaves and financial support to faculties for attending FDPs, University Exam duties, etc.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 6.3.2

#### Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

**Response:** 100

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

2022-23	2021-22	2020-21	2019-20	2018-19
38	41	42	43	38

<b>File Description</b>	<b>Document</b>
Policy document on providing financial support to teachers	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	<a href="#">View Document</a>
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**6.3.3**

*Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years*

**Response:** 57.37

**6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
38	29	42	32	38

**6.3.3.2 Number of non-teaching staff year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
22	22	22	22	22

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the certificates of the program attended by teachers.	<a href="#">View Document</a>
Annual reports highlighting the programmes undertaken by the teachers	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1

**Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)**

#### Response:

The major sources of income are tuition fees and development fees from the students. The other sources include, funds from various non-government organizations such as "Vensysco Infra Pvt Ltd", "Weshine Tech Pvt Ltd" towards conduction of online exams of MHT-CET, MPSC/UPSC etc., funds for Student Development Cell and N.S.S. activities received from University and sponsorships from various agencies.

Institution has a well-defined process for effective utilization of financial resources:

- Institution has well defined budgeting system which includes regular expenses like staff payments and benefits, academic expenses, maintenance and expenses on other facilities such as audit fees, library, hostel, canteen, sports, gym etc.
- Departmental annual budget is formulated as per requirements of syllabus upgradations, planned co-curricular activities, research work etc., before the start of every financial year. The Principal reviews the budget of all departments and forwards it to the management
- The management takes a review and allocates sufficient finance to carry out activities in the Institution.
- For purchase, a minimum of three quotations are called from vendors. Comparative statement is prepared with cost, quality and specification details. Purchase order is placed with the due consent of the management after a negotiation meeting by the purchase committee.
- The Institution follows a standard mechanism to release the payments for day to day expenses such as -Administrative expenses including auditor fees, Printing and Postage Charges, Internet expenses, Expenses for Office, Stationary, Telephone, Refreshment, Hostel, Canteen, Sports,



Gym, Travelling and Conveyance, expenses in respect of students such as Earn and Learn schemes, Technical Competitions, Sports and cultural activities expenses, financial support for Major/Minor research project, Participation in Seminars.

- Major areas of funds utilization includes Salary of Teaching and Supporting staff, Purchase of laboratory equipments and consumables, Operating Expenses for Regulatory bodies Fees (AICTE, DTE, SPPU Affiliation, NAAC) Professional membership Expenses, Legal charges, Websites expenses, Repair and maintenance, Corporation taxes, Land and Building tax, Security, housekeeping charges.
- Extra provision is also made for emergency expenditure as per the requirement.
- The Institution has invested funds in permanent and operational assets such as Land, Building, Machineries, Lab Equipments, Computers and hardware, Library books, Scientific Journal and periodicals, Furniture and fixtures, Office equipments etc.
- Institution conducts financial audits to ensure transparency and proper utilization of funds.

### Conduction of Internal & External Financial Audits:

The utilization of financial resources of the institute are monitored through the following institute mechanisms:

#### Internal Audit:

The budget is prepared at institute level as per the actual requirements at the beginning of every financial year which gets duly approved by the management. The financial resources are then utilized accordingly. Payments are made through cheque/NEFT/RTGS. Actual expenses are periodically checked and verified with budgeted expenses. The institute has appointed the internal auditor “Mundhe Shaha & Company” for carrying out regular audits during the financial year.

#### External Audit:

External auditor “Krishna Rawas & Associates” is appointed by the trust which executes the statutory financial audit every year. The audited statements duly signed by the management members, Principal and chartered accountant are generated.

Every year, internal and statutory financial audits were carried out smoothly.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

### 6.5.1

**Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities**

#### **Response:**

IQAC contributes for overall quality assurance by defining the benchmarks on the basis of SWOC analysis which is based on parameters such as admissions, placement, research, results, etc. IQAC conducts periodic review meetings and suggests strategies for various activities including administrative, academics, faculty development, institution and infrastructure development, students learning experience, industry relations, participation of faculties and students in co-curricular and extracurricular activities, etc.

Based on students feedback about the teaching-learning process, IQAC suggests methodologies for further improvement such as use of ICT tools, classroom demonstrations, use of models, mini projects, virtual lab experiments, expert sessions, add-on and skill development courses, certification courses by NPTEL-Swayam, Coursera etc.

The Institute follows an academic calendar which is circulated before the commencement of every academic year and accordingly the department academic calendar is prepared.

Various feedback including graduate exit survey, course end survey, alumni feedback, parents feedback are collected, analyzed and actions are initiated.

IQAC initiates internal and external Academic and Administrative Audit (AAA) by inviting expert and senior faculties from peer institutions. This AAA aims to review teaching learning process, structures & methodologies of operations and learning outcomes through following parameters:

- Academic and teaching-learning processes, innovative teaching methods used, guest/expert lectures and workshops organized, industrial visits carried out, industry sponsored projects and result analysis of the department.
- Administrative audit based on mandatory requirements, governance, documentation, library activities, student support activities, IT infrastructure etc.
- Training and Placement activities based on placements, companies approaching, higher studies, entrepreneurship etc.
- Alumni involvement based on Alumni Association activities, meetings, etc.
- Extra curricular activities such as sports, cultural, NSS etc.

Through periodic IQAC meetings and subsequent suggestions, IQAC contributed significantly for incremental improvement of the institution as in past 5 years -

#### *Initiatives in 2018-19*

- Additional efforts for Institutional Branding and Campaign
- Recommendation for introducing new course in Civil Engineering

- Promoting faculties for fetching projects under BCUD grants
- Organization of Technical Project Competition

*Initiatives in 2019-20*

- Introduction of new course of Civil Engineering
- Recommendation of new course in emerging area of Mechatronics from AY 2020-21
- Research projects under the BCUD scheme are sanctioned
- Initiative for promoting teaching-learning through online mode

*Initiatives in 2020-21*

- Commencement of Mechatronics Engineering branch
- Recommendation for new course in emerging area of Artificial Intelligence & Data Science from AY 2021-22.
- Infrastructure and resource development for Civil Engineering and Mechatronics branches
- Organizing International Conference in Collaboration with IFERP Journal (interdisciplinary)
- Focus on e-Learning by development of e-contents and learning resources in view of Covid pandemic
- Conduction of Quality Initiative Programs (QIP) in Mechanical and Computer Engineering Departments.

*Initiatives in 2021-22*

- Commencement of new course Artificial Intelligence and Data Science
- Renovation and relocation of infrastructure facilities to facilitate requirement of new courses
- Efforts for recruitment of senior and experienced faculties in Civil and Computer department.
- Organized 13 value added / add-on / certification courses to bridge the curriculum gap.
- Organized Industry conclave to strengthen industry-institute interaction.

*Initiatives in 2022-23*

- Recommendation for increase in the intake of AI & DS and Mechatronics courses.
- Additional efforts for placement of students and focus on in-campus placement drives.
- Applied to the University for Permanent Affiliation
- Strengthening the industry institute interactions.
- Benchmarking activities for internal improvement of the departments

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**6.5.2**

**Quality assurance initiatives of the institution include:**

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**
- 3.Collaborative quality initiatives with other institution(s)**
- 4.Participation in NIRF and other recognized rankings**
- 5.Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

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

<b>File Description</b>	<b>Document</b>
Quality audit reports/certificate as applicable and valid for the assessment period.	<a href="#">View Document</a>
NIRF report, AAA report and details on follow up actions	<a href="#">View Document</a>
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>
Link to Minute of IQAC meetings, hosted on HEI website	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1

**Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.**

*Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words*

#### **Response:**

#### **Gender Audit:**

The Gender Audit is conducted by MMIT every year. A course-wise, category-wise and gender-wise statistical data is prepared after the admission process.

#### **Gender equity and sensitization in curricular:**

In the curriculum, it involves ensuring that educational materials and teaching methods are free from gender bias and stereotypes, allowing all students to engage with the content on an equal footing. This promotes a more balanced and fair representation of diverse perspectives and experiences. Institute promotes the use of gender-neutral language in lectures, assignments, and classroom discussions. MMIT ensures that everyone respects and acknowledges all gender identities.

#### **Gender equity and sensitization in co-curricular activities:**

The institute's commitment to equality is reflected in its approach to co-curricular and extracurricular activities. Whether it's the technical events, NSS, sports, cultural gatherings like Anubhuti, or other units, all students are provided an equal opportunity to participate in these activities. This inclusive ethos ensures that every student can explore their interests, showcase their talents, and engage fully in the vibrant array of experiences offered by the institution. In doing so, the institute fosters a sense of belonging and unity among its diverse student body while promoting a culture of fairness and equal access to enriching opportunities.

#### **Facilities for women on campus:**

The Institute prioritizes building a supportive and inclusive environment that ensures equal opportunities for all genders. It entails implementing policies and practices that address the specific challenges and barriers faced by women, promoting their access to education, participation in decision-making processes, and leadership roles. This includes providing a safe and inclusive environment, combating gender-based discrimination and harassment, and offering support systems such as mentorship programs and gender sensitization initiatives such as:

#### **1. Safety and security:**

- The institute has constituted the necessary statutory and functional committees like the discipline committee, anti-ragging committee, women's grievance redressal cell, security staff includes both male and female members.
- The institute provides 24-hour security including women's security guards to women's hostels. A separate ladies' rector is appointed for the ladies' hostel. The institution campus including the main gate, corridors, parking, examination sections, main entrance, canteen, and library are monitored by CCTV cameras.

**2. Common room:**

Separate common rooms for boys and girls are available in the institution.

**3. Counseling:**

- The mentor-mentee scheme is implemented right from the first year. Designated faculty provide counseling to the students on their personal, academic, career, financial, gender equality, and psychological issues.
- The Institution has appointed a qualified and professional counselor to deal with the student's personal, social, psychological, and emotional problems and difficulties, if any.
- Several activities such as Health and Psychology workshops, Menstrual Health and Hygiene, Art of Living Sessions, Mental Hygiene and Immunity Booster workshops, Self- Defense workshops etc. are conducted.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**7.1.2**

**The Institution has facilities and initiatives for**

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

**Response:** A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	<a href="#">View Document</a>
Policy document on the green campus/plastic free campus.	<a href="#">View Document</a>
Geo-tagged photographs/videos of the facilities.	<a href="#">View Document</a>
Circulars and report of activities for the implementation of the initiatives document	<a href="#">View Document</a>
Bills for the purchase of equipment's for the facilities created under this metric	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 7.1.3

**Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following**

- 1.Green audit / Environment audit**
- 2.Energy audit**
- 3.Clean and green campus initiatives**
- 4.Beyond the campus environmental promotion activities**

**Response:** A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	<a href="#">View Document</a>
Policy document on environment and energy usage Certificate from the auditing agency	<a href="#">View Document</a>
Green audit/environmental audit report from recognized bodies	<a href="#">View Document</a>
Certificates of the awards received from recognized agency (if any).	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 7.1.4

**Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)**

**Response:**

**Efforts / Initiatives in providing an inclusive environment**

Students from many cultural, geographical, and socioeconomic backgrounds are admitted to college each year. The Institute is dedicated to encouraging unity and harmony among its students, faculty, and staff. All students are given the chance to participate in a variety of events during the semester, regardless of their caste, creed, religion, or geographic location. To ensure this, the college has a Students Code of Conduct that each student admitted must follow.

The university has an active Student Council and NSS wing that organizes a variety of events to foster a sense of unity, discipline, and harmony. Students' involvement in various college committees such as cultural, magazine, sports, NSS, library, and so on ensures that the needs of all diverse students are addressed while respecting their points of view.

The following activities are conducted in the institute to maintain an all-inclusive environment.

<b>Institutional efforts/initiatives in providing an inclusive environment - Tolerance and Harmony towards</b>						
<b>Sr.</b>	<b>Institutional efforts/initiatives</b>	<b>Cultural diversities</b>	<b>Regional diversities</b>	<b>Linguistic diversities</b>	<b>Communal diversities</b>	<b>Socioeconomic diversities</b>
1	Tree Plantation				Y	Y
2	Ganapati Festival		Y			
3	Swachha Bharat Abhiyan		Y			
4	Yoga Day				Y	Y
5	Shivji Maharaj Jayanti	Y	Y			
6	Sports and Cultural week		Y			
7	Marathi Bhasha Gaurav Din			Y		
8	International Women's Day				Y	Y
9	Youth Day	Y				



10	Engineer's Day				Y	Y
11	Teacher's Day				Y	Y
12.	Constitution day	Y	Y	Y	Y	Y
Facilities Provided:						
1	Language Laboratory			Y		
2	Conducive environment for Physically Disabled			Y		Y
3	Training for Soft Skills enhancement			Y		
4	Scholarships for the economically weaker students				Y	Y
5	Equal Opportunity Cell					Y

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

To inculcate the constitutional obligations about values, rights, duties, and responsibilities of citizens, National Constitution Day is celebrated every year.

A two credit Compulsory course for all the First-Year students in Democracy, Election and Governance is introduced by the affiliating university. The course contains three modules including viz

**1. Democracy-** Foundation and Dimensions, Constitution of India, Evolution of Democracy- Different Models, Dimensions of Democracy- Social, Economic, and Political

**2. Decentralization** -Indian tradition of decentralization, History of panchayat Raj institution in the lost independence period, 73rd and 74th amendments, Challenges of caste, gender, class, democracy and ethnicity

**3. Governance** - Meaning and concepts, Government and governance, Inclusion and exclusion

The subjects of Code of Conduct, Humanity and Social Science are also included by the affiliating university in the curriculum of Second Year Engineering.

Students and faculties are encouraged to enroll for MOOCs courses such as Universal Human Values. The students are encouraged to participate in various programs on culture, traditions, values, duties, and

responsibilities. The institution has defined the code of conduct for faculties & students and is made available on the institution website.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 7.2 Best Practices

### 7.2.1

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

**Response:**

**Best Practice – I**

**Title of the Practice – ‘ Promoting Social Activities ’**

**Objectives:**

- To develop a sense of social and civic responsibility.
- To make students aware of and sensitive to the needs and feelings of others and express their own in acceptable ways.

**The Context:**

The Institute has a functional National Service Scheme(NSS) unit which carries out various social activities. Students acquire an understanding of and responsibility for their social, physical, and natural contexts by working independently and collectively for the benefit of people, communities, and the environment. They are conscious of their choices, activities, and environmental footprint. They support change and take the initiative to make it happen.

**The Practice:**

1. The NSS unit organizes various social activities throughout the year. NSS volunteers strive for society's well-being. These social activities emphasize the concept that individual welfare depends on society's welfare. Apart from NSS, the institute conducts various other social activities.
2. Uniqueness of NSS in the Indian higher education system is its emphasis on active student participation. NSS provides a platform for students to actively engage in addressing social issues and contribute to the development of the community. It encourages students to think beyond academics and fosters a sense of social responsibility and empathy.

3. The NSS unit adopted a village and every year a 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 conducted. NSS activities encompass a wide range of areas, including education, health, sanitation, rural development, environmental conservation, and awareness campaigns on various social issues. This diverse scope allows students to choose activities aligned with their interests and passion, enabling them to make a meaningful impact in their communities.

**Evidence of success:**

The major outcomes are

- **Personal Growth:** NSS fosters personal development by instilling values such as empathy, compassion, and social responsibility, leading to a more mature and socially conscious individual.
- **Leadership Skills:** Engaging in NSS activities often provides opportunities for students to take on leadership roles, enhancing their leadership and organizational skills.
- **Community Engagement:** NSS encourages students to actively participate in community development projects, helping them become more connected and engaged citizens.
- **Problem-Solving Abilities:** NSS projects often involve addressing real-life community challenges, allowing students to develop problem-solving and critical-thinking skills.
- **Cultural Sensitivity:** Interaction with diverse communities and cultures during NSS activities promotes cultural sensitivity and understanding among students.
- **Gender Sensitization:** Fosters awareness and understanding of gender-related issues, promoting respect, equality, and inclusivity for all genders.
- **Social Networking:** NSS provides a platform for students to build a strong social network, including fellow students and community members, which can be valuable for personal and professional growth.

**Problems Encountered and Resources required:**

- An intensive academic schedule limits spare time.
- Constraints such as limited resources, varying student participation, short program duration, and community collaboration challenges need to be addressed to further enhance the impact and reach of NSS initiatives.

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**Best Practice: 2**

**1. Title of the Practice: Enriching teaching-learning process**

**2. Objectives of the Practice:**

- To make learning more interactive and dynamic, promoting deeper understanding and knowledge retention among students.
- To align education with industry needs.
- To empower faculty members with rapidly changing technology skills, innovative pedagogical approaches, and the ability to effectively integrate technology into teaching.

### 3. The Context:

To educate students for industry demands and to nurture natural interests and aptitudes, the Institute combines a student-centric teaching learning approach as well as holistic student development. The institute supports learner-centric education by incorporating cutting-edge ICT technologies into immersive, participatory, and problem-based learning approaches. This promotes effective and self-directed learning.

### 4. The Practice:

- **Digital Tools and Platforms:** Enhancing teaching and learning through digital technology integration is a multifaceted endeavor. It encompasses several critical elements to drive improvements in education quality and relevance. Utilizing platforms like Google Meet and Google Classroom is integral to creating a digital learning ecosystem. These platforms facilitate online classes, collaboration, and content sharing.
- **Infrastructure Enhancement:** Upgrading infrastructure with audio-video systems, smart boards, and ERP systems is essential. This not only modernizes the learning environment but also bridges the infrastructure gap, ensuring that remote students have access to the same quality education.
- **Interactive Learning:** The focus on interactive learning involves leveraging multimedia content, simulations, and virtual labs. These tools make learning engaging and immersive, fostering active participation among students.
- **Faculty Development:** Equipping faculty members with rapidly evolving technology knowledge and innovative teaching methods is pivotal. Faculty development programs empower educators to effectively integrate technology into their teaching practices.
- **Alignment with Industry Needs:** Adapting the education system to align with industry requirements is crucial. This approach ensures that students graduate with relevant digital skills and practical knowledge, facilitating a smoother transition from academia to the workforce. Collaboration with industry experts further enriches the learning experience by bringing real-world perspectives into the classroom.

### 5. Evidence of Success:

The major outcomes are

- Upskilling, proficiency enhancement of faculty and students.
- In-house design and fabrication of ATV and go-kart vehicles
- Increment in placement opportunities and placement rate
- Notable increase in the enrollment of students in add-on courses.
- Significant rise in the number of internships.
- Increase in e-content development specially during Covid-19
- Online visibility and outreach via channels like YouTube
- Participation in the Swayam initiative for the Indian Knowledge System to aid in the production of regional language e-content.

### 6. Problems Encountered and Resources Required

- Maintaining updated multimedia content and aligning curricula with rapidly evolving industry needs pose difficulties.

- Challenges in technical field internships often include finding suitable industry placements that offer meaningful hands-on experience and align with students' academic goals.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Best practices as hosted on the Institutional website	<a href="#">View Document</a>

## 7.3 Institutional Distinctiveness

### 7.3.1

**Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words**

**Response:**

‘Marathwada Mitra Mandal, Pune’ is a trust established in the year 1967 with the motto " Yethe Bahutanche Hita " (Welfare of Masses). The watchwords of trust are Mass education, co-education, and dedication toward the overall development of the students. This trust is well known for its commitment towards societal responsibility and for providing quality education with affordable fees.

Marathwada Mitra Mandal Institute of Technology (MMIT), established in the year 2008 with the vision of “Techno-Social Excellence”, follows the footprints of the parent trust. Focusing on the academics, technical skills the emphasis is given for nurturing graduates with a reasonable sense of social responsibility.

The students admitted in the institute are from diverse family backgrounds. Most of them are from economically weaker backgrounds and a significant number of open category students are from farmer’s families. Some of the students did not become eligible for receiving financial benefits of free-ship and scholarship from the Government. Several deserving students stand on the borderline of quitting their education. In such situations, the trust and the Institution extends a hand of relief to the students. The institute accepts the responsibility of continuing their education by providing them financial assistance and opportunity to successfully complete their course of study. This leads to fostering an environment of empowerment and equal opportunity for a diverse student body.

The process of extending the help is as below:

#### **1. Assistance in College Fees:**

- The institute accepts the responsibility of financially weaker students by providing them financial assistance / Fee waiver
- Needy students approach the institute with an application, after which following a personal

discussion with students, principal and/or management identifies the needs and issues of the students. Accordingly, the principal recommends the extent of financial assistance / fee waiver to the management.

## 2. Assistance in Hostel / Mess Fees:

- The institute provides hostel accommodation and mess facilities at affordable rates.
- Few students from very weak financial backgrounds are not in a position to pay hostel and/or mess fees, especially those coming from remote areas. MMIT extends its support by offering such students a free or substantially subsidized hostel accommodation / mess fees.

## 3. Assistance in Career Development Support:

- Institute not only provides the financial support / fee waiver to students, but further assists them in shaping their careers.
- The institute ensures that the students receive all possible career development support including career counseling and skill development programs.

In conclusion, Marathwada Mitra Mandal with a motto “Welfare of Masses” and MMIT sticking to its vision of “Techno-Social Excellence” ensures that its students are groomed with excellence in technical education with sensitization towards societal responsibility. By accepting the financial responsibilities of needy students, MMIT ensures that they are well-prepared for the challenges and opportunities of the future. The institution not only upholds its motto but also plays a pivotal role in advancing inclusive and equitable access to education and career opportunities for all.

In the past five years, the institution has supported many such students and provided them a financial assistance / fee waiver / fee concession of Rs. 1.41 Cr.

### Summary of Institution scholarships / Fee Waiver / Financial Assistance / Fee concession:

Sr. No	Academic Year	College Fees (In Rs.)	Hostel Concession Amount (In Rs.)
1	2022-23	4225936.00	162500.00
2	2021-22	5022811.72	52000.00
3	2020-21	1992340.00	29000.00
4	2019-20	1418892.00	178500.00
5	2018-19	515959.00	515959.00
Total amount		13175938.72	937959.00
<b>Grand Total (In Rs)</b>		<b>14113898.00</b>	

The above provisions help to uplift the students and to improve the overall living standard of students and their families. As of now, Many of them got placed in reputed companies like Cognizant, Tata Consultancy services, Capegemini, Yazaki etc.

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

## 5. CONCLUSION

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### Additional Information :

- MMIT is accredited with “A” Grade by NAAC in the First Cycle
- The parent trust has established “Make it Happen Center for Invention, Innovation and Incubation (FMCIH)” in joint collaboration of Tata Technologies, Science and Technology Park, SPPU and Marathwada Mitra Mandal, Pune. The students of all the institutes run by MM can undertake specialized training on the modules developed by TATA Technologies.
- MMIT is the first Institute under Savitribai Phule Pune University to commence the course in Mechatronics Engineering in affiliation.
- MMIT is recognized as the Nodal Centre for Virtual Lab from IIT Bombay
- Group Insurance policy is in effect for Students (through Government) and staff (self-financed).
- Bus Facility is provided to students from various locations of Pune at affordable rates
- Hostel is well furnished and self-contained rooms
- Membership of professional bodies like CSI, IE, ISTE, ISHRAE
- Students have brought many laurels by participation in National level Go-kart, ATV competitions by in-house designing of these vehicles

### Concluding Remarks :

Marathwada Mitra Mandal’s Institute of Technology (MMIT), Pune fosters technical skills and a sense of social responsibility in its students in line with its mission of "Techno-Social Excellence" and the trust's motto of "Yethe Bahutanche Hit" (Welfare of the Masses).

The institute has a strong focus on curriculum enrichment through value-addition, add-on courses, skill development courses, certification courses, workshops, seminars, societal values, etc.

Student centric teaching-learning processes are adapted in the institute. Experienced, committed, and self-driven teachers have included project-based learning, participatory learning, and problem-based learning approaches. MMIT has a robust framework for assessments and has incorporated OBE into all facets of learning.

Research, innovation, and extension activities are encouraged through the innovation ecosystem and IPR cell.

The modern ICT infrastructure at the institution meets the needs of current pedagogy. These ICT facilities are upgraded on a regular basis. The provision of self-contained hostels, a gymnasium, an amphitheater, and a



playground contribute to a positive and enjoyable experience for students.

In addition to facilitating all types of government scholarships, the institute also provides financial assistance to students through the Institute Scholarships. The institute provides support to students in their preparation for various competitive examinations. Programs that facilitate personality development and offer career guidance have been found to be advantageous for students. Students are placed in prominent companies during campus placement drives.

The institution has successfully established all the necessary statutory committees. MMIT has a robust framework in place to govern the institution, plan strategically, maintain financial transparency, assure quality, and support faculty development. These practices contribute to the institution's overall growth and alignment with its mission and vision.

MMIT has many good practices; out of which two best practices are "Promoting Social Activities" and "Enriching Teaching Learning Process". Through the practice of sustainable growth, MMIT ensures overall development by taking a step ahead towards the implementation of NEP by introducing multidisciplinary and interdisciplinary courses. The sustainable growth is supported by enhancement in learning resources, upgrade of IT infrastructure, etc. Through the practice of promoting social activities, the institute tries to sensitize the students towards their social responsibility along with the aim of technical excellence in line with the vision of the institute.

Distinctiveness of the institution lies in taking the responsibility of financially weak students by providing Financial Assistance to Students in institute and hostel fees through institutional funds. This helps to ensure their continuation of their education.

The institute in its true sense is making sincere efforts to achieve "Techno-Social Excellence".

The NAAC accreditation has helped the institute to achieve several milestones till date and re-accreditation will further motivate and guide us.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																																								
2.1.2	<p><b>Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years</b></p> <p><b>2.1.2.1. Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)</b>            Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>85</td> <td>93</td> <td>75</td> <td>72</td> <td>29</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>59</td> <td>67</td> <td>52</td> <td>40</td> <td>23</td> </tr> </tbody> </table> <p><b>2.1.2.2. Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years</b>            Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>111</td> <td>109</td> <td>116</td> <td>150</td> <td>67</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>111</td> <td>109</td> <td>116</td> <td>150</td> <td>67</td> </tr> </tbody> </table> <p>Remark : Excess of students admitted in reserved category than the earmarked one , should be considered as general merit. Hence input edited accordingly.</p>	2022-23	2021-22	2020-21	2019-20	2018-19	85	93	75	72	29	2022-23	2021-22	2020-21	2019-20	2018-19	59	67	52	40	23	2022-23	2021-22	2020-21	2019-20	2018-19	111	109	116	150	67	2022-23	2021-22	2020-21	2019-20	2018-19	111	109	116	150	67
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2.4.2	<p><b>Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)</b></p> <p><b>2.4.2.1. Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years</b>            Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>13</td> <td>9</td> <td>7</td> <td>7</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19	16	13	9	7	7	2022-23	2021-22	2020-21	2019-20	2018-19																									
2022-23	2021-22	2020-21	2019-20	2018-19																																					
16	13	9	7	7																																					
2022-23	2021-22	2020-21	2019-20	2018-19																																					

12	11	8	7	7
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Remark : The faculties having less than 10 months experience will not be considered. Hence input edited accordingly.

3.1.1 **Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)**

3.1.1.1. **Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
3.59	1.33	0	8.65	605.5

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
3.59	1.33	0	8.65	3.79070

Remark : Grants given by their own trust / sister institutions will not be considered, Only research grants for project will be considered. Hence input edited accordingly.

3.3.1 **Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**

3.3.1.1. **Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
18	7	1	12	10

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
01	0	0	0	01

Remark : The research papers in the Journals notified only on UGC CARE list only will be considered. Hence input edited accordingly.

3.3.2 **Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**

3.3.2.1. **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
17	5	21	3	3

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
14	05	21	0	0

Remark : Books and chapters in edited volumes/books published and papers in national/ international conference proceedings only with ISBN Number will be considered. Hence input edited accordingly.

3.4.3 ***Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.***

**3.4.3.1. Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
19	17	11	17	13

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
14	06	03	08	07

Remark : Excluding National festivals, Days celebrations like Yoga day, Women's day etc., input edited.

3.5.1 ***Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.***

Answer before DVV Verification :

Answer After DVV Verification :280

Remark : MoU / Linkages with the same institutions/ industries for 2-3 years to be counted as one only. Hence input edited accordingly.

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

5.3.1.1. ***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 wise during the last five years***

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
14	11	11	14	14

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
03	05	03	0	01

Remark : Only University /state/ national or international achievements will be considered. Participation / appreciation certificates and awards from regional/ local/ institutional levels ,Awards from intra or inter institutions/collegiate will not be considered. Hence input edited accordingly.

**5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

**5.3.2.1. Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
31	20	10	24	21

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
24	14	10	12	16

Remark : All activities conducted under an event will be counted as one event. Multiple activities on the relatively closer dates to be considered as one only. Hence input edited accordingly.

**6.3.2 Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years**

**6.3.2.1. Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
63	61	52	48	49

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
38	41	42	43	38

Remark : Multiple financial supports provided to teacher in a year to be considered once only. Hence input edited accordingly.

6.3.3 **Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

6.3.3.1. **Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
58	29	50	32	41

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
38	29	42	32	38

6.3.3.2. **Number of non-teaching staff year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
24	24	28	33	36

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
22	22	22	22	22

Remark : 6.3.3.1- Multiple participation of the faculty in the same academic year to be considered as one. and Less than 5 days FDPs will not be considered. Hence input edited accordingly. 6.3.3.2- Input edited from IIQA.

## 2.Extended Profile Deviations

ID	Extended Questions
1.1	<b>Number of teaching staff / full time teachers during the last five years (Without repeat count):</b> Answer before DVV Verification : 99 Answer after DVV Verification : 51
1.2	<b>Number of teaching staff / full time teachers year wise during the last five years</b>

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
63	61	52	48	49

Answer After DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
38	41	42	43	38

2.1 **Expenditure excluding salary component year wise during the last five years (INR in lakhs)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
534.34	358.11	201.09	319.36	268.86

Answer After DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
311.64	280.65	112.07	264.31	95.70