

To  
The Principal  
MarathwadaMitra Mandal's Institute of Technology  
Lohgaon, PUNE — 411047.

**Subject: Report of Academic and Administrative Audit 2020-21**

Dear Sir,

We congratulate you for taking the initiative to conduct the Academic and Administrative Audit (AAA) of your institute for the academic year 2020 - 21. We are thankful to the management and principal for inviting us for conducting AAA.

We are glad to communicate that after visiting the institute, departments, we have completed the process of AAA and the report for the same is enclosed herewith.

The report is based on observations of committee members on three aspects:

1. Institute Information – statistical information
2. Administrative audit – overall observations about the institute
3. Department academic audit – review of department academic activities and audit

We are thankful to Management, Principal, HODs, Teaching and Supporting staff, students and stakeholders for their valuable inputs and co-operation during the assessment of AAA. We are hopeful that the observations / suggestions of the AAA committee will be helpful in further planning and growth of the institute.

Yours sincerely

Date: 18/12/2021

**Members of AAA Committee**

Dr. S. G. Kandalkar  
Professor in Physics  
JSPM's RSCOE, Tathawade, Pune  
Member, BoS, Engineering Sciences, SPPU

Dr. S. S. Pardeshi  
Associate Professor, Mechanical Engineering  
COEP, Pune  
Chairman, BoS, Mechanical Engineering,  
SPPU

Dr. P. N. Mahalle,  
Professor, Computer Engineering  
SKNCOE, Vadgaon Bk, Pune  
Member, BoS, Computer Engineering, SPPU

Mr. C.R. Bambale  
I/C Administrative Officer  
COEP, Pune

Mrs. Alka A. Avasthi  
HOD, Civil Engineering  
Pimpri Chinchwad Polytechnic  
Nigdi, Pune



## Framework and Methodology adapted for AAA

- The external Academic and Administrative Audit (AAA) for the academic year 2020 - 21 of the Marathwada Mitra Mandal's Institute of Technology (MMIT), Lohgaon, Pune – 47 is carried out by the external members as per the request received from the institution on 11/12/2021.
- The purpose of the audit is to ensure that the practices followed in the campus are in accordance with the Administrative Policies adopted by the institution and the departments.
- The observations of the committee are based on the data available and/or data provided by the institute authorities and subsequent interactions with respective personnel and authorities. Review of the relevant documentation is carried out wherever required.
- This audit has been conducted with complete neutrality and in an unbiased way.
- After the audit, the recommendations are suggested to the institute unanimously by the external AAA audit members.

### Members of External AAA Audit

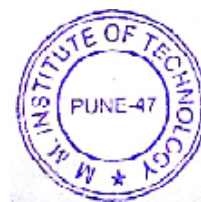
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## Part 1: Institute Profile

### 1.1 Establishment Information

1	Name and Address of the college / Institution :	MarathwadaMitramandal Institute of Technology, S.N. 35, Plot No. 5/6, Vadgaon Shinde Road, Lohgaon, Pune- 411047
2	Telephone No.:	7447786623/24
3	Email Address & website:	Email: principal@mmit.edu.in Website: www.mmit.edu.in
4	Year of establishment	2008
5	Status of the college: (If minority status, attach letter of sanction of state Govt)	Private and Non-aided
6	Name of the Principal:	Dr. R. V. Bhortake
7	Status of Principal approval:	Permanent Approved
8	Location of the college:	Urban
9	Land :	Govt. Leased
10	Area of the campus in acres	13.99 acres
11	Total built-up area in sq. mt.	18784 sq.mts
12	Type of college	Un-aided, Co-education
13	Affiliation	Savitribai Phule Pune University, Pune
14	Whether 2(f) , 12 (B) status?	No
15	Name of the Management / Trust	Marathwada Mitra Mandal, Deccan, Pune-4
16	Name of the Chairman / Secretary (Attach the list of existing members)	<b>President:</b> Mr. Shivajirao D. Ganage <b>Executieve President:</b> Prin. Bhausahab Jadhav <b>Secretary:</b> Mr. Kishor H. Mungale <b>Treasurer:</b> Mr. Annasaheb Pawar
17	Campus Development Committee (CDC): (whether constituted as per Maharashtra University Act)	Yes
18	Number of Campus Development Committee meetings scheduled in last year:	01 (Scheduled quarterly)
19	Number of Campus Development Committee meetings conducted:	01 [Dates of Meeting - 22.02.2021]
20	Is the Trust is registered Under Public Trust Act 1950 (Charity Commissioner)	Yes
21	Is the Trust is registered Under Society registration Act, 1980 (Co-op society Act):	NA
22	Registration number of the trust:	Registration No.068 dated 19/1/1967
23	Date and year:	Society Registration Act 1860 Reg.No.Mah/523/Poona/69



## 1.2 Courses, Intake and Student Strength 2020-21

Branch	Year	CAP		EWS		TFWS		Total		Roll Call SE	Roll Call TE	Roll Call BE	Dept Wise
		Intake	Admitted	Intake	Admitted	Intake	Admitted	Intake	Admitted				
Comp	FE	120	120	12	9	6	6	138	135	133	164	73	539
	DSE	24	24	11	10	NA	NA	35	34				
Civil	FE	60	14	6	2	3	2	69	18	18	NA	NA	92
	DSE	55	55	7	1	NA	NA	62	56				
Mechanical	FE	90	7	9	2	5	0	104	9	26	108	110	299
	DSE	114	46	14	0	NA	NA	128	46				
Mechatronics	FE	30	25	3	1	2	2	35	28	NA	NA	NA	28
<b>Total Student Strength</b>													<b>898</b>

## Part 2: Administrative Audit

The following criteria was used to review the infrastructural facilities of the college

### 2.1 Infrastructure

Sr.	Particulars	Observations / Remarks
1	Total area of the campus (13.99 acre)	Enough and adequate
2	Campus ownership	Leased
3	Office space, circulation area and admin area	Adequate
4	Washroom facility for staff	Adequate
5	Washroom facility for students	Adequate
6	Parking space	Adequate
7	Number of classrooms as per AICTE	Adequate
8	Number of laboratories	Adequate
9	Faculty sitting arrangement	Adequate
10	Seminar Hall	400 sqm

### 2.2 Human Resource

#### A. Details of Human Resource available

Sr.	Particulars	Observations / Remarks
a	Total Teaching Staff (incl. Principal, Librarian)	57
b	Total staff with Ph.D. (incl. Principal)	5
c	Total Technical Staff	13
d	Administrative Officer	01
e	Other office staff	07



## B. Efforts for Human Resource development

Sr.	Particulars	Observations / Remarks
a	Mode of salary	Credited to Bank
b	Performance appraisal system	Institute has a policy for performance appraisal.
c	Employee welfare scheme	Yes.

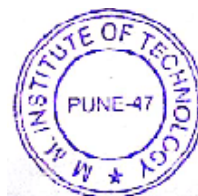
## C. Admissions procedure

Sr.	Particulars	Observations / Remarks
a	Admission Procedure	Governed by DTE Maharashtra & CET Cell
b	Reservation Policy	In effect as per government norms
c	Scholarships for students	In effect as per government norms

## 2.3 Computational facilities

No	IT Facilities	Existing
1	Unibox	1
2	Barcode Scanner for Library	2
3	Wi-Fi Access Point	30
4	Lease Line	51 Mbps
5	CCTV	74
6	Firewall	NSA 4600
7	IBM Server	2
8	Internet switches	43
9	Graphics Card	20
10	Firewall	2
11	Pc's Connected to LAN	487
12	Printers	58
13	LCD Projector	30
14	Smart Board	3

Sr.	Item	Quantity
1	Desktop Computers	487
2	Servers	2
3	Laptops and notebooks	17
4	Laser Printer (B&W)	40
5	Dot Matrix Printer	12
6	Color Printers	3



7	Plotter	1
8	All in one Printer	3
9	LCD Projectors	30
10	Scanners	5
11	Finger Print Scanner	1
12	Barcode Scanner	2
13	Digital Copier	2
14	Digital fast copier (for exam)	1

Sr.	IT Software	Licences
1	CATIA V6 PLM Discover Pack	20 Seats
2	CATIA V5 PLM Discover Pack	20 Seats
3	ERP	Package
4	ANSYS 13.0	25 seats
5	MATLAB	30 seats
6	Master CAM	20 seats
7	Automation Studio	01
8	Auto CAD	40 seats
9	Quick Heal Antivirus	10 licenses
10	Tally ERP 9	Multiuser

## 2.4 Library

Sr.	Particulars	Observations / Remarks
1	Area of library as per AICTE	Adequate 400 sqm
2	Is a separate reading room available?	Yes
3	Area of reading room	460 sqm
4	Total number of titles	3626
5	Total number of volumes	13047
6	No. of Issue/Return books per semester	1267
7	Provision for display for new arrival	Yes
8	Number of e-Journals / Platform	Yes
9	Book bank facility	Yes. Available.
10	Library automation system	SLIM
11	Anti-Plagiarism software	Yes.
12	Provision for digital library	Yes. 25 computers
13	Is the librarian approved?	Yes
14	NPTEL videos	Yes
15	National Digital Library	Yes
16	Library working hours	09:00 am to 05:00 pm



## 2.5 Recreation facilities

Sr.	Particulars	Observations / Remarks
1	Sports facility / ground	Yes
2	Provision for indoor sports	Yes
3	Gymnasium	Yes
4	Other facilities	Amphitheatre
5	Common room (boys)	Yes
6	Common room (girls)	Yes
7	Cultural activities	Annual Social Gathering

## 2.6 Hostel facility

Sr.	Particulars	Observations / Remarks
1	Boys Hostel	Capacity 196
2	Rector for boys hostel	Appointed
3	Girls Hostel	Capacity 90
4	Rector for girls hostel	Appointed
5	Mess for hostel students	Available

## 2.7 Training and Placement

Sr.	Particulars	Observations / Remarks
1	Training and Placement Cell	Yes
2	Number of Placements	Computer - 74, Mechanical - 30
3	Salary	Highest - 5.35 LPA, Avg - 3.36 LPA

## 2.8 Students Support System

Sr.	Particulars	Observations / Remarks
1	Guardian Faculty Member Scheme	Yes
2	Appointment of Student Counselor	Yes
3	Appointment of Student Welfare Office	Yes
4	Alumni Association	Yes
5	Personality / soft skill development programs	Yes
6	Special scheme for students	Scholarship by institute

## 2.9 Grievance Redressal Committees

Sr.	Particulars	Observations / Remarks
1	Anti-ragging Cell	Yes
2	SC/ST Cell	Yes
3	OBC Cell	Yes
4	Women's grievance cell	Yes
5	Internal Complaint Committee Cell	Yes



## 2.10 Other essential facility

Sr.	Particulars	Observations / Remarks
1	Fire Fighting system	Yes
2	Adequate security	Yes
3	Potable water plant / facility	Yes, in-house water plant
4	Generator backup	Yes. 70 kVA
5	Transport facility	4 buses
6	Total Green area in the campus	1 acre
7	Canteen	Yes
8	Facility for digital / electronic payment	Yes
9	First aid facility	Yes
10	Provision for medical facility	Adequate
11	Overall maintenance	Well maintained
12	Biogas plant	Yes
13	Sewage treatment plant	Yes
14	Rainwater harvest system	Yes
15	Firewall	Yes
16	CCTV	Yes
17	Server Room	Yes

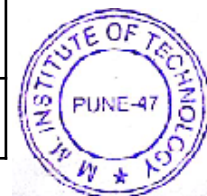
## Part 3: R&D, extension and outreach activities

### Faculty participation in Seminars/Conferences and Symposia during the year

No. of Faculty	International	National	State	Local
Attended Seminar / Workshop	26	137	23	17
Presented Paper	21	0	0	0
Resource Person	0	0	0	8

### R&D activities

Sr.	Particulars	Observations / Remarks
1	Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices	39
2	Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities	68
3	Faculty participation in Seminars/Conferences and Symposia during the year	International - 07 National - 229 State - 41

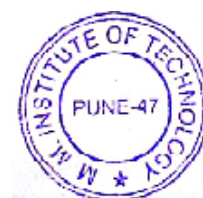




4	Awards for Innovation won by Institution/Teachers/Research scholars/Students	07
5	Research Publications in the Journals notified on UGC website	Number of Publication - 02 Average Impact Factor - 5.1727
6	Awards and recognition received for extension activities from Government and other recognized bodies	02
7	Number of extension and outreach programmes	09
8	Number of Collaborative activities for research, faculty exchange, student exchange during the year	03
9	MoUs signed with Industry, academia, etc	10
10	Patents (till date)	Mechanical - 13 Computer - 13

**Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS**

Sr.	Title of the activities	Organising unit/ agency/ collaborating agency	Number of teachers coordinated in such activities	Number of students participated in such activities
1	International yoga Day through Online Platform Google Meet	MMIT NSS UNIT	4	64
2	Tribute to Hon. Late Vilasraoji Deshmukh	MMIT NSS UNIT	2	15
3	NSS Day Celebration through Online Platform Google Meet	MMIT NSS UNIT	4	65
4	Constitution Day Celebration through Online Platform Google Meet	MMIT NSS UNIT	2	30
5	Tribute to Hon. Dr. Late Shankarraoji Chavan	MMIT NSS UNIT	2	15
6	Career Opportunities in Paramedics & Healthcare Service	MMIT SWD & SPPU	1	50
7	Entrepreneurship opportunities post COVID-19	MMIT SWD & SPPU	1	45
8	Mental Hygiene & Immunity booster	MECHANICAL DEPARTMENT	1	91
9	Awareness Session on National Digital library of India (NDLI)	MMIT NDLI CLUB	3	76



## Overall Observations and Recommendations for the Institute

Following the observations and recommendations from the Academic and Administrative conducted

### Institute Strength

- Supportive management sticking to its motto “Welfare of Masses”
- 100% faculties have adopted online teaching-learning methodology
- Rigorous monitoring of academics through well defined parameters.
- Excellently landscaped green campus with eco friendly atmosphere
- State-of-the art infrastructure, Spacious and well-designed classrooms
- Well-equipped laboratories

### Weakness

- Enrolment ratio of students is less for Mechanical and Civil Engineering branches
- Less number of publications in indexed journals
- Less number of patents
- Dedicated Training and Placement Cell necessary
- Activities under MoU may be further enhanced

### Recommendations

- Improvement in cadre ratio in core departments
- Placement in core industries should be increased

### Suggestion

- The teaching-learning process needs to incorporate Outcome Based Education (OBE) with a broad perspective.



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Date: 18/12/2021



Submitted to -

The Principal  
MMIT, Lohgaon  
Pune



Marathwada Mitra Mandal's  
**Institute of Technology (MMIT)**  
Lohgaon, Pune – 411047

*Report on*  
**Academic and Administrative Report**  
**(External)**

**Academic Year**  
**2020 - 21**

**Part B - Department Audit**  
**Computer Engineering**



**Section I: Department Information**

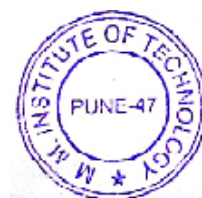
Sr.	Parameter	Information
1	Number of students	350
2	No. of Faculties	14
3	Faculty completed Ph.D.	-
4	Faculties pursuing Ph.D.	04
5	Number of Laboratories available in department	08

**Section II - Academic Audit**


Sr.	Particulars	Observations / Remarks
1	Curriculum update	The institute is affiliated to Savitribai Phule Pune University. With effect from 2020-21, new syllabus structure and curriculum is implemented for SE and TE.
2	Does a mechanism for identification of slow and advanced learners exist?	Yes
3	Does a program for enhancement of weaker students exist?	Yes
4	Parameters for internal and external evaluation	External evaluation: SPPU In-sem and End-sem exams Internal evaluation: TW, Assignments, oral, Practical, Seminars, Project Work ,Unit Test, etc.
5	Is continuous internal evaluation adapted for internal marks?	Yes
6	Is a comprehensive academic calendar prepared?	Yes
7	Are academic activities carried out as per academic calendar?	Yes
8	Is CO-PO mapping and attainment done?	Yes
9	Is there a mechanism for monitoring academic activities?	Yes. Academic Monitoring Committee.
10	Is there a mechanism for review of syllabus progress at regular intervals?	Yes. Monthly report of syllabus coverage is submitted to Dean, Academics.
11	Way the teaching material shared with students	Google Classroom, Google Apps
12	Are the ICT tools incorporated with regular teaching?	Smart Classroom available. Video lectures are conducted through Google Meet.
13	Is an internal academic audit carried out?	Yes. Three Audits conducted during the semester

**University Exam Results (all clear) for Academic Year 2020-21**

Sr.	Year	Semester I	Semester II
1	Second Year	99.38	100
2	Third Year	100	98.60
3	Final Year	100	97.37



### Section III: Department Activities

Sr.	Particulars	Observations / Remarks
1	Number of academic seminar planned	Yes
2	Conferences / Workshop / FDP organized	1.Fundamentals of Linux and Data Analytics 2.Workshop on Python Programming 3.Latex Workshop 4.The Art of Living 5.Hands on Workshop on MachineLearning with real Time Project Development and Cloud Deployment
3	Conferences / Workshop / FDP attended by faculties	63 1.The Art of Living 2.NBA Accreditation and SAR Preparation 3.Qualitative Research Methods & publication Ethics 4.ICT Academy organized by webinar on The Future 5.Quiz on ENGINEER'S DAY 2020 6.FDP on Simulation of Electric Machine's using ANSYS 7.Electromagnetic Software and its Applications in Electric Vehicle 8.Webinar on Hybrid electrical vehicle certificate 6. 9.IEEE-IOIT web page development workshop 10. Simulation of Electric Machine's using ANSYS Electromagnetic Software and its Applications in Electric Vehicle 11.Certificate for completion of JAVA Bussiness Aplication Training in RMD Sinhgad school of Engineering on 2 May 2020
4	Publications in indexed journals	14
5	Social activities	<b>03</b> 1. Yoga Day Celebration 2. Art of Living session by S. Meenakshi 3. <b>Social Activety: व्याख्यान:कोरोना: टेस्ट, औषधोपचार आणि लसीकरण जागृती: रूपरेषा नियोजन</b> By Dr.Ganesh Ramdasi, Vidhata Hospital,Pimpale, Gurav ,Pune
6	Co-curricular activities 	<b>17</b> 1. Career Opportunities by ACE Engineering , Mr. Mandar Sinh 2. Career Opportunities in Digital Marketing, Mr. Prakash Pawar, Kyrotype Software Pvt, Ltd 3. Role of IEEE in your Career, Dr. Amar Buchade, Member IEEE, Pune 4. Machine Learning & its Challenges, Dr. Vilas M Thakare, Professor & HOD in Computer Science, Faculty of Engineering & Technology, Post Graduate Department of Computer Science, SGB, Amravati University, Amravati 5. Online industry Internship, Mr. Kushal Sharma, Prushal Technologies, Pune 6. Red Hat Operating System and Global Certification

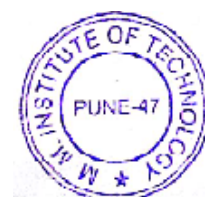
		<p>with Career Opportunities, Monika Gugnani REDHAT</p> <ol style="list-style-type: none"> <li>7. Academic Technical Assessment Activity' (ATA), Comp Dept, MMIT, Pune</li> <li>8. BlockChain Technology, Comp Dept, Er. Sonali Patwe, (Strategy manager at upGrad)</li> <li>9. Cloud Computing, Webinar, In association With Skillcertifica &amp; SCINXT</li> <li>10. Recent Trends in Networking &amp; Telecom, Mr. Abhilash Sasane, Syntel, Pune</li> <li>11. Software Engineering, Prof..Asma Shaikh (PhD Scholar, Amity University, Mumbai)</li> <li>12. IFERP Student/Faculty Membership and Student Chapter</li> <li>13. Mendeley: Referencing Management Software, Dr. Prashant Dhotre, RSCOE, Pune</li> <li>14. Engineers and Innovation, Mr. Prakash Balaji Pimpale (Joint Director CDAC Mumbai )</li> <li>15. German Language, Mr. Kedar Jadhav, Munich, Germany</li> <li>16. Problem Based Learning, Mr. Prakash Hegade ( KLE Technological University, Hubli)</li> <li>17. Project Guidelines, Mr. Tushar Kute (Researcher and Trainer at MITU Skillologies, Pune)</li> </ol>
7	Extra-curricular activities	<p style="text-align: center;"><b>05</b></p> <ol style="list-style-type: none"> <li>1. LATEX workshop for Report Writing, Mr. Pramod Nimbhore Director of PhoenixZone Technologies pvt ltd, Pune.</li> <li>2. Python Programming 3 days Workshop Course, Mr. Hrushikesh Rane, Xoriant Solutions Pvt. Ltd., Pune, Mr. Prateek Mahajan, Persistent Systems Limited, Pune, Mr. Sushant Shukla, National technical Systems, Inc. Mr. Varad Arthamwar, Philmegi, Pune</li> <li>3. SQL Add on Bridge Course , Mr. Prashant Chapparwal, Asst Manager, Vodafone , Pune</li> <li>4. Course &amp; Worksop on Workshop on Linux and Data Analytics, Mr. Jonathan Rajiv, Vodafone, Pune</li> <li>5. Course &amp; Workshop on Workshop on Linux and Data Analytics, Mr. Jonathan Rajiv, Vodafone, Pune</li> <li>6. Teacher Day</li> </ol>

#### **Any other specific facility or uniqueness of the department**

1. 69 Students are placed in reputed Multinational IT industries.
2. Successfully conducted Soft skill Development and Workshops in the view of Industry Demand S
3. IIRS
4. Certification: Industry ready certification -10

#### **Strength of department**

- Continuous use of Google apps and ICT Tools in the teaching learning process
- Well structured, equipped and maintained laboratories with open source Softwares
- Contributing and believing in social Encouragement
- Active Participation of alumni in departmental activities
- Learning New Tech-Skills Ability in students and staff
- Promotes Project Based Learning
- Cooperative and enthusiastic staff members



### Weakness of department

- More efforts needed to promote research activities.
- Need to improve faculty cadre ratio.



Dr. P. N. Mahalle,  
Professor & Head , AI&DS  
VIIT, Pune  
Member, BoS, Computer Engineering, SPPU







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***Report on***  
**Academic and Administrative Report**  
**(External)**

**Academic Year 2020 - 21**

**Part B - Department Audit**  
**Mechanical Engineering**



### Section I: Department Information

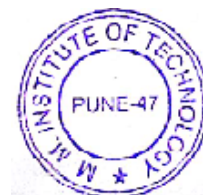
Sr.	Parameter	Information
1	Number of students	244
2	No. of Faculties	13
3	Faculty completed Ph.D.	3
4	Faculties pursuing Ph.D.	5
5	Number of Laboratories available in department	12

### Section II - Academic Audit

Sr.	Particulars	Observations / Remarks
1	Curriculum update	The institute is affiliated to Savitribai Phule Pune University. With effect from 2020-21, new syllabus structure and curriculum is implemented for SE and TE.
2	Does a mechanism for identification of slow and advanced learners exist?	Yes
3	Does a program for enhancement of weaker students exist?	Yes
4	Parameters for internal and external evaluation	External evaluation: SPPU In-sem and End-sem exams Internal evaluation: TW, Assignments, oral, Practical, Seminars, Project Work ,Unit Test, etc.
5	Is continuous internal evaluation adapted for internal marks?	Yes
6	Is a comprehensive academic calendar prepared?	Yes
7	Are academic activities carried out as per academic calendar?	Yes
8	Is CO-PO mapping and attainment done?	Yes
9	Is there a mechanism for monitoring academic activities?	Yes. Academic Monitoring Committee.
10	Is there a mechanism for review of syllabus progress at regular intervals?	Yes. Monthly report of syllabus coverage is submitted to Dean, Academics.
11	Way the teaching material shared with students	Google Classroom, Google Apps
12	Are the ICT tools incorporated with regular teaching?	Smart Classroom available. Video lectures are conducted through Google Meet.
13	Is an internal academic audit carried out?	Yes. Monthly

### University Exam Results (all clear) for Academic Year 2020-21

Sr.	Year	Semester I	Semester II
1	Second Year	91.67	100
2	Third Year	96.22	100
3	Final Year	87.96	96.87



### Section III: Department Activities

Sr.	Particulars	Observations / Remarks
1	Number of academic seminar planned	Yes
2	Conferences / Workshop / FDP organized	Conference 1, Workshop 03,
3	Conferences / Workshop / FDP attended by faculties	75
4	Publications in indexed journals	02
5	Social activities	02 1. Yoga Day Celebration 2. Mental Hygiene Program
6	Co-curricular activities	06 1. Add on course on Six Sigma Principles 2. 45 Hrs add on course on ANSYS 3. Add on course on Autodesk Fusion 360 Integrated CAD/CAM/CAE 4. Add on course on Programming for Everybody (Getting Started with Python) 5. Value add on course on Essentials of Entrepreneurship: Thinking & Action 6. Value add on course on How to Write a Resume (Project-Centered Course)
7	Extra-curricular activities	1. Workshop on Emotional Intelligence

#### Any other specific facility or uniqueness of the department

1. 150+ Students and faculties have done international certification courses
2. Separate workshop facility for Go-Kart and BAJA activities

#### Strength of department

- Cooperative and enthusiastic staff members
- Well structured, equipped and maintained laboratories
- Empowerment & skilling of socio-economic background students
- Contributing and believing for social upliftment
- Continuous use of Google apps in the teaching learning process.
- Active Participation of alumni
- Promoting national competition for students and staff

#### Weakness of department

- Need to improve student enrolment ratio
- Need to improve faculty cadre ratio

Dr. S. S. Pardeshi  
Associate Professor, Mechanical Engineering  
COEP, Pune  
Chairman, BoS, Mechanical Engineering, SPPU





Marathwada Mitra Mandal's  
**Institute of Technology (MMIT)**  
Lohgaon, Pune – 411047

***Report on***  
**Academic and Administrative Report**  
**(External)**

**Academic Year 2020 - 21**

**Part B - Department Audit**  
**Civil Engineering**



### Section I: Department Information

Sr.	Parameter	Information
1	Number of students	69
2	No. of Faculties	6
3	Faculty completed Ph.D.	0
4	Faculties pursuing Ph.D.	0
5	Number of Laboratories available in department	6

### Section II - Academic Audit

Sr.	Particulars	Observations / Remarks
1	Curriculum update	The institute is affiliated to Savitribai Phule Pune University. With effect from 2019-20, new syllabus structure and curriculum is implemented for SE CIVIL (2019 Pattern)
2	Does a mechanism for identification of slow and advanced learners exist?	Yes
3	Does a program for enhancement of weaker students exist?	Yes
4	Parameters for internal and external evaluation	External evaluation: SPPU In-sem and End-sem exams Internal evaluation: TW, Assignments, oral, Practical, Seminars, Project Work ,Unit Test, PBL etc.
5	Is continuous internal evaluation is adapted for internal marks?	Yes
6	Is a comprehensive academic calendar prepared?	Yes
7	Are academic activities carried out as per academic calendar?	Yes
8	Is CO-PO mapping and attainment done?	Yes
9	Is there a mechanism for monitoring academic activities?	Yes. Academic Monitoring Committee.
10	Is there a mechanism for review of syllabus progress at regular intervals?	Yes. Monthly report of syllabus coverage is submitted to Dean, Academics.
11	Way the teaching material shared with students	Google Classroom, Google Apps
12	Are the ICT tools incorporated with regular teaching?	Smart Classroom available. Video lectures are conducted through Google Meet.
13	Is an internal academic audit carried out?	Yes. Monthly

### University Exam Results (all clear) for Academic Year 2020-21

Sr.	Year	Semester I	Semester II
1	Second Year	80	85.5
2	Third Year	NA	NA
3	Final Year	NA	NA



### Section III: Department Activities

Sr.	Particulars	Observations / Remarks
1	Number of academic seminar planned	Yes
2	Conferences / Workshop / FDP organized	Guest Lectures-01, workshop 01
3	Conferences / Workshop / FDP attended by faculties	19
4	Publications in indexed journals	00
5	Social activities	1. Yoga Day
6	Co-curricular activities	03 1. Best Out of Waste 2. Best VASTU Design Competition 3. Poster Presentation
7	Extra-curricular activities	1. Teachers Day Celebration , 2. Republic Day Celebration

#### Any other specific facility or uniqueness of the department

#### Strength of department

- Cooperative and enthusiastic staff members.
- Well structured, equipped and maintained laboratories.
- Empowerment & skilling of socio-economic background students.
- Contributing and believing for social upliftment.
- Continuous use of Google apps in the teaching learning process.
- Material Testing & consultancy labs available for nearest construction industries.

#### Weakness of department

- Need to improve student enrolment ratio
- Need to improve faculty cadre ratio

Mrs. Alka A. Avasthi  
HOD, Civil Engineering  
PIMPRI CHINCHWAD POLYTECHNIC  
Nigdi, Pune





MarathwadaMitra Mandal's  
**Institute of Technology (MMIT)**  
Lohgaon, Pune – 411047

***Report on***  
**Academic and Administrative Report**  
**(External)**

**Academic Year 2020-21**

**Part B - Department Audit**  
**Engineering Science (FE)**

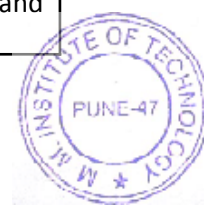


## Section I: Department Information

Sr.	Parameter	Information	Details
1	Number of students	190	Computer Engineering - 135 Mechanical Engineering - 09 Civil Engineering - 18 Mechatronics - 28
2	No. of Faculties	11	<b>FE Faculties - 07</b> Physics - 01, Chemistry - 01, Mathematics - 03, Electrical - 01, Electronics - 01 <b>Shared faculties from Department - 04</b> Civil - 02, Mechanical - 01, Computer - 01
3	Faculty completed Ph.D.	03	Physics - 01, Mathematics - 02
4	Faculties pursuing Ph.D.	02	Electrical - 01, Mathematics - 01
5	Number of Laboratories available in department	10	<b>Department Laboratories - 05</b> Engineering Physics Engineering Chemistry Engineering Mechanics Basic Electrical Engineering Basic Electronics Engineering <b>Laboratories shared by the department - 05</b> Programming and Problem Solving Language Laboratory Basic Mechanical Engineering Engineering Graphics - Drawing Hall Central Workshop

## Section II - Academic Audit

Sr.	Particulars	Observations / Remarks
1	Curriculum update	The institute is affiliated to Savitribai Phule Pune University. With effect from 2019-20, new syllabus structure and curriculum is implemented for FE.
2	Does a mechanism for identification of slow and advanced learners exist?	The preliminary identification is done during the FE induction program. A test on the basics of all subjects is conducted and identification is done on this basis. At later stages, the identification is done on the basis of Unit Tests, In-Semester Examination and End-Semester Examinations of SPPU.
3	Does a program for enhancement of weaker students exist?	Additional guidance sessions / remedial sessions are organized for the enhancement of weaker students.
4	Parameters for internal and external evaluation	<b>Internal evaluation:</b> TW, Assignments, oral, Practical, Seminars, Project Work ,Unit Test, etc. <b>External evaluation:</b> SPPU In-sem and End-sem exams
5	Is continuous internal evaluation adapted for internal marks?	The continuous internal evaluation is based on pre-defined parameters and internal evaluation is carried out as per these parameters.
6	Is a comprehensive academic calendar prepared?	The institute is having a common calendar for SE / TE / BE and a separate academic calendar for FE





7	Are academic activities carried out as per academic calendar?	Yes
8	Is CO-PO mapping and attainment done?	Yes. CO target is set by comparing the results of previous examinations (level 2). Level 1 and Level 3 are less and more by 5%. For every subject, CO-PO attainment is calculated overall and branchwise.
9	Is there a mechanism for monitoring academic activities?	Yes. All the academic activities are monitored through an institute level Academic Monitoring Committee.
10	Is there a mechanism for review of syllabus progress at regular intervals?	Yes. Monthly report of syllabus coverage is prepared by the department faculty member of Academic Monitoring Committee and the report is submitted to the Dean, Academics.
11	Way the teaching material shared with students	For every subject a separate Google Classroom is prepared. For every lecture, PPTs, recording of lecture is shared to students. The other teaching material that is shared is question bank, MCQs, theory notes.
12	Are the ICT tools incorporated with regular teaching?	Per department one Smart Classroom is available. The pre-recorded video lectures are shared with the students for revision. During the lock-down period, the video lectures are conducted through Google Meet.
13	Is an internal academic audit carried out?	Yes. Internal academic audit is carried out on a monthly basis by the Academic Monitoring Committee. The report is submitted to the Dean Academics.

### University Exam Results (all clear) for Academic Year 2020-21

Head	Criterion (As per FE 2019 Guidelines)	College Count	Percentage
No. of Students	--	190	--
Appeared	--	190	--
Result declared for	--	186	--
Result withheld	--	04	--
All Clear	Total Credits = 44	175	94.09 %
Only with ATKT	Credits between 22 to 43	11	5.91 %
With ATKT (Eligible for SE)	All Clear + ATKT	186	100 %
Fail	Credits less than 22	--	--
FC with Distinction	SGPA 7.75 or more	147	79.03 %
First Class	SGPA 6.75 to 7.74	23	12.36 %
High. Second Class	SGPA 6.25 to 6.74	05	02.68%

### Section III: Department Activities

Sr.	Particulars	Observations / Remarks
1	Number of research projects completed	-
2	Conferences / Workshop / FDP/ Expert Talk organized	Online webinar on Technology and Industrial needs
3	Conferences / Workshop / FDP attended by faculties	Workshop / Conferences attended by dept faculties International - 06, National - 92 Faculties invited as resource person - 01
4	Contribution by faculty in Books / Chapters	Dr. U. P. Moharil authored three books on Engineering Physics - Pearson Education, Nirali Publication, Vishwakarma Publication



5	Publications in indexed journals	-
6	Social activities	<ol style="list-style-type: none"> <li>1. Health &amp; psychology workshop for girls students</li> <li>2. Tree Plantation at various locations in the campus</li> <li>3. Mask Distribution to college help workers.</li> </ol>
7	Co-curricular activities	<ol style="list-style-type: none"> <li>1. Induction Program for FE students as per AICTE guidelines</li> <li>2. A session on IOT requirements for engineering by Prof. Shubhash Rathod HOD Computer</li> <li>3. A session on Smart Cities requirements by Prof. Leena Deshmukh HOD Civil.</li> <li>4. A session on Robotics and Automation trends by Prof. Ritesh Mahajan HOD Mechatronics</li> <li>5. A session on Skill requirements for engineering by Prof. Sudhir More HOD Mechanical</li> <li>6. A session on Science and Technology of the future by Dr. U. P. Moharil</li> </ol>
8	Extra-curricular activities	<ol style="list-style-type: none"> <li>1. Yoga and meditation session by Heartfulness foundation, Pune</li> <li>2. A session on stress management by professional counselor Mrs. Dhanashree Ghare</li> <li>3. Exploring hidden talent by session on Arts, Crafts, Music, Painting online mode</li> <li>4. A session on Goal Setting and skill development by Prof. Amol Bhanage (T &amp; P Head)</li> </ol>

#### Any other specific facility or uniqueness of the department

- Adoption of ICT for several teaching-learning activities including creating and sharing teaching material, learning level identification, delivery of lectures, monitoring attendance, assignments, interaction and doubt clearing, conducting examination, continuous internal evaluation and assessment, practicals on virtual lab platform, project presentations, organizing meetings with students and parents, etc.
- Support and guidance to students from professional counselors, as per the need

#### Strength of department

- Rigorous academics
- Effective Guardian Faculty Member (GFM) Scheme in place
- Competent and experienced faculties

#### Weakness of department

- Less number of Co-curricular and extra-curricular activities in AY 2020-21
- Less enrolment ratio for Mechanical and Civil Engineering branches



Dr. S. G. Kandalkar  
 Professor in Physics  
 JSPM's RSCOE, Tathawade, Pune  
 Member, BoS, Engineering Sciences, SPPU

