Mechatronics

PART B: Criteria Summary

Critera No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50	46.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	200	187.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	100	90.00
4	STUDENTS' PERFORMANCE	200	144.02
5	FACULTY INFORMATION AND CONTRIBUTIONS	150	139.00
6	FACILITIES AND TECHNICAL SUPPORT	100	97.00
7	CONTINOUS IMPROVEMENT	75	71.00
8	STUDENT SUPPORT SYSTEMS	50	50.00
9	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	75	75.00
	Total	**1000**	**899**

Part B

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (50)

Total Marks 46.00

1.1 State the Vision and Mission of the Department and Institution (5)

Total Marks 5.00

Institute Marks: 5.00

Vision of the institute	To nurture proficient technicians with sound ethical and social values contributing towards the welfare of masses.
Mission of the institute	M:- Make ardent efforts to inculcate technical skills, social and ethical values among students. M:- Mould students to be competent through an excellent harmony among Theoretical, Analytical and Practical Knowledge P:- Permeate professional skills among students through Co-curricular and Extra-Curricular
Vision of the Department	To achieve Academic and Industrial excellence in Mechatronics Engineering by fostering an interdisciplinary approach to benefit Industry and Society.
Mission of the Department	

Mission No.	Mission Statements
M1	To disseminate interdisciplinary knowledge focusing on developing the key skills and qualities expected of Mechatronics Engineers.
M2	To create best-in-class laboratories to endorse knowledge of Mechatronics in order to address the needs of Industry.
M3	To prepare robust and responsible Mechatronics engineers imbibing ethical Values

1.2 State the Program Educational Objectives (PEOs) (5)

Total Marks 5.00

Institute Marks: 5.00

PEO No.	Program Educational Objectives Statements
PEO1	Provide socially responsible, environment-friendly solutions to Mechatronics broad-based problems by adapting professional ethics.
PEO2	Adapt state-of-the-art of Mechatronics Technology broad-based technologies to work in multi-disciplinary work environments.
PEO3	Solve broad-based problems individually and as a team member by communicating effectively in work.

1.3 Indicate where and how the Vision, Mission and PEOs are published and disseminated among stakeholders (10)

Total Marks 10.00

Institute Marks: 10.00

A. Publication and Dissemination of Vision, Mission, and PEOs

The dissemination of the Vision, Mission, and Program Educational Objectives (PEOs) is carried out through multiple channels to ensure maximum visibility and accessibility. By displaying these statements in diverse locations and formats, the institute guarantees that students, faculty, alumni, industry partners, and the wider community remain consistently informed and actively engaged with its academic philosophy.

Table 1.1 outlines the various modes of publication and dissemination of the Vision, Mission, and PEOs, along with the internal and external stakeholders who benefit from them.

Table 1.1 Publication and dissemination of the Vision, Mission, and PEOs

Sr.No.	Details	Internal Stakeholder	External Stakeholder	Mode of Dissemination
1	Institute website www.mmpolytechnic.com https://mmpolytechnic.edu.in/mechatronics/	√	√	Displayed on homepage and departmental page for students, parents, and other stakeholders
2	Department Newsletter	√	√	Published periodically and shared with all stakeholders
3	Course file of Faculty, Lab Log Book, Lab Manuals,Project Report	√		Reference for faculty and students
4	Faculty Members mail signature	√	√	Incorporated into every email communication sent by faculty to internal and external stakeholders
5	Notice board of department	√	√	Daily visibilty for students and staff
6	HOD Cabin	√	√	For visibility to staff and visitors
7	Departmental Corridor	√	√	Displayed in common areas and corridors accessible to both staff and visiting stakeholders
8	Departmental Laboratories	√		Displayed inside laboratories for continuous reference by students and faculty during practical sessions
9	Staff Room	√		Visible to all teaching and non-teaching staff
10	Class Rooms	√		Displayed in classrooms and communicated during classroom interactions and mentoring sessions
11	Orientation program for freshers	√	√	Explained during induction/ orientation programs for newly admitted

				students and their parents
12	Pre-placements talks of employers	√	√	Shared during industry recruitment interactions, internships, MoUs, and training programs
13	Presentations in Industry Meet		√	Discussed in Industry Advisory Board meetings and presented to industry professionals and employers

List of Stakeholder:

- **Internal Stakeholder:** Teaching Staff, Non- Teaching Staff, Present Students.
- **External Stakeholder:** Parents, Alumni, Employers, Industry Experts.

1.4 State the process for defining the Vision and Mission of the Department, and PEOs of the program (15) — **Total Marks 13.00**

Institute Marks: 13.00

1.4.1 Process of establishing Vision & Mission:

The process of vision and mission establishment begins with the institute's existing vision and mission, which serve as the foundation for developing program-specific statements. Views and suggestions are collected from both internal stakeholders like faculty, parents, and students and external stakeholders such as MSBTE curriculum , alumni, and industry experts. These diverse perspectives ensure that the proposed vision and mission reflect the needs and expectations of all parties involved. The department committee then reviews and refines these inputs to draft a preliminary version, which is forwarded to the Internal Quality Assurance Cell (IQAC) for evaluation.

If the IQAC finds the draft satisfactory, it proceeds to the governing body for formal approval. Once approved, the finalized program vision and mission are officially published and communicated to all stakeholders. However, if the IQAC deems the draft unsatisfactory, the process loops back to the institute's vision and mission stage for further revision and improvement. This systematic and participatory approach ensures that the final vision and mission are well-aligned with institutional goals, stakeholder expectations, and quality standards. The detailed process is outlined in the Fig. 1.1

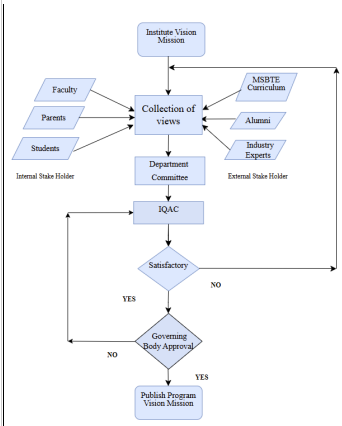


Fig.1.1 Process of Vision and Mission Establishment

1.4.2 Process of establishing PEOs

The process of establishing Program Educational Objectives (PEOs) begins with the **Institute's Vision and Mission**, which set the overall direction and guiding philosophy for the institution. These broad goals are then translated into the **Department Vision and Mission**, which act as a bridge between institutional aspirations and program-specific aims. The Department Vision and Mission play a vital role here, as they provide the foundation upon which the program's objectives are built, ensuring that the PEOs remain aligned with both institutional priorities and the discipline's unique requirements.

After the formation of the Program Vision and Mission inputs are collected from a wide range of stakeholders like Internal stakeholders such as faculty, parents, and students contribute perspectives rooted in academic and personal expectations, and external stakeholders like industry experts and alumni provide insights into professional relevance and real-world needs. This combination ensures that the PEOs are comprehensive, practical, and future-oriented.

The collected inputs are then reviewed by the **Department Committee**, which drafts the initial version of the PEOs. The draft is subsequently forwarded to the **Program Assesment Committee (PAC)** for expert evaluation and then to the **Internal Quality Assurance Cell (IQAC)** for validation of quality and consistency. A critical decision point follows: if the PEOs are found satisfactory, they move forward for approval and publication. If not, they are sent back to the Department Committee for revision, and the cycle continues until the objectives meet the required standards.

Finally, once the PEOs are validated and approved by the **IQAC**, they are officially published and disseminated through institutional channels such as the website, newsletters, notice boards, classrooms, and departmental documents. This systematic process ensures that the PEOs are not only aligned with the Institute and Department Vision and Mission but also shaped by diverse stakeholder input, resulting in a robust and quality-driven outcome. The detailed process is depicted in Fig. 1.2 for better understanding.

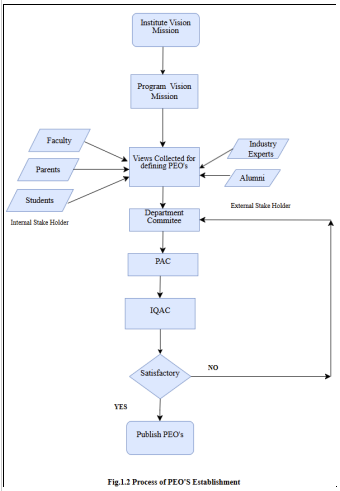


Fig.1.2 Process of PEO'S Establishment

1.5 Establish Consistency of PEOs with Mission of the Department (15) — **Total Marks 13.00**

Institute Marks: 13.00

- **Matrix of PEOs and elements of Mission statement**

Table 1.2 Matrix of PEOs and elements of Mission statement

MISSION	**M1:** To disseminate interdisciplinary knowledge focusing on developing the key skills and qualities expected of Mechatronics Engineers.	**M2:** To create best-in-class laboratories to endorse knowledge of Mechatronics in order to address the needs of Industry.	**M3:** To prepare robust and responsible Mechatronics engineers imbibing ethical Values.

PEOs			
PEO1: Provide socially responsible, environment-friendly solutions to Mechatronics broad-based problems by adapting professional ethics.	2	3	3
PEO2: Adapt state-of-the-art Mechatronics Technology broad-based technologies to work in multi-disciplinary work environments.	3	3	2
PEO3: Solve broad-based problems individually and as a team member by communicating effectively in work.	3	2	3

- **Consistency / Justification:**

Table 1.3 Justification of PEOs and elements of Mission statement

PEOs	M1	M2	M3	Justification
PEO1	2	3	3	**M1**-Interdisciplinary knowledge moderately supports ensures engineers understand the social and environmental impact of their solutions, fostering responsibility and ethics. **M2**-Advanced facilities strongly support students to practice sustainable and environment-friendly solutions, aligning with industry's push for green technologies. **M3**-Strongly supports professional ethics and responsibility, ensuring graduates act with integrity in solving problems.
PEO2	3	3	2	**M1**-Exposure to interdisciplinary knowledge strongly equips engineers to adapt and integrate state-of-the-art technologies in diverse fields. **M2**-Laboratories provide hands-on experience with cutting-edge technologies, preparing students for multi-disciplinary environments. **M3**-Ethical grounding ensures that adaptation of new technologies is done responsibly and collaboratively in multi-disciplinary teams.
PEO3	3	2	3	**M1**-Knowledge dissemination emphasizes communication and teamwork skills, essential for solving problems collaboratively. **M2**-Labs simulate real-world team projects, encouraging collaboration and effective communication among peers. **M3**-Ethical values strengthen interpersonal communication and teamwork, ensuring engineers contribute positively in group settings.

PEO Statements	M1	M2	M3
Provide socially responsible, environment-friendly solutions to Mechatronics broad-based problems by adapting professional ethics.	2	3	3
Adapt state-of-the-art of Mechatronics Technology broad-based technologies to work in multi-disciplinary work environments.	3	3	2
Solve broad-based problems individually and as a team member by communicating effectively in work.	3	2	3

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (200)

Total Marks 187.00

2.1 Program Curriculum (40)

All POs and PSOs are being demonstrably met through Curriculum ? : NO

2.1.1 State the process used to identify extent of compliance of the Board curriculum for attaining the Program Outcomes (POs) and Program Specific Outcomes (PSOs) as mentioned in Annexurel. Also mention the identified curricular gaps, if any (25)

Institute Marks: 23.00

A. Process used to identify extent of compliance of curriculum for attaining POs & PSOs (15)

Institute Marks: 14.00

The Marathwada Mitra Mandal's Polytechnic is affiliated to Maharashtra State Board of Technical Education Mumbai. The curriculum and teaching examination scheme of the program is prescribed by MSBTE.

The curriculum prescribed by the Maharashtra State Board of Technical Education (MSBTE) undergoes revision every five years, incorporating feedback from diverse stakeholders including industry representatives, alumni, academic institutions, and subject experts. This revision process is based on a systems approach, ensuring that the curriculum remains relevant, comprehensive, and aligned with evolving professional and societal needs.

From the academic year 2017–18, the I-Scheme curriculum was implemented, followed by the K-Scheme curriculum from the academic year 2023–24. Each successive scheme addresses the curricular gaps identified in the preceding framework, thereby minimizing deficiencies and strengthening the overall academic structure.

The curriculum is designed to maintain an appropriate balance among professional courses, basic sciences, and humanities. However, in cases where certain components essential for achieving the defined Course Outcomes (COs) and Program Outcomes (POs) are not fully incorporated within the MSBTE-prescribed curriculum, the program undertakes supplementary measures to impart the required knowledge and skills.

To ensure comprehensive attainment of COs and POs, the department employs a structured Gap Analysis process. This process systematically identifies areas where the prescribed syllabus does not adequately address the intended outcomes. Based on the findings, the department introduces additional content beyond the syllabus such as specialized modules, workshops, industry interactions, and interdisciplinary inputs. These enrichment measures ensure that students are equipped with the competencies necessary to meet academic standards, industry expectations, and professional benchmarks.

- The extent of compliance of the curriculum in attaining the Program Outcomes (POs) and Program Specific Outcomes (PSOs) is identified through outcome-based system
- Course Outcomes (COs) of each course are mapped with relevant POs and PSOs using defined correlation levels. i.e. 3 -High, 2-Medium, 1-Low
- CO attainment is measured using direct assessment tools such as internal and external assessments.
- Internal assessment includes class test, laboratory work, Self learning assessment and microprojects. Whereas external assessment includes practical and theory end-semester examinations.
- For CO attainment internal assessment -30% and external assessment- 70%
- The attained CO levels are aggregated through CO–PO and CO–PSO mappings to compute PO and PSO attainment levels.
- The attained levels of Course Outcomes (COs) and Program Outcomes (POs) are systematically compared with predefined target values to assess curriculum compliance. Any gaps identified through this evaluation are analyzed, and corrective measures are implemented as part of the continuous improvement process. These measures include add-on courses, value-added programs, guest lectures by industry experts, industrial visits, and internships, ensuring that students acquire the necessary knowledge, skills, and professional competencies beyond the prescribed syllabus.
- PO/PSO attainment is reviewed every semester.
- Corrective actions are discussed in departmental meetings

Courses are categorised into various structured Course Categories under the National Credit Framework (NCrF) and NEP 2020-aligned curriculum.

These course categories are enlisted below –

Table2.1 Category of Courses

Category of Courses	Description
Discipline Specific Course (DSC)	It comprises of professional core courses, these focus on the foundational and advanced technical knowledge of the discipline, along with the development of specialized skills.
Discipline Specific Elective (DSE)	Elective courses offered as two elective baskets in the 5th and 6th semesters, enabling students to explore advanced topics or emerging areas within their discipline.
Ability Enhancement Course (AEC)	These are the courses that are aimed at improving communication, language, and general competencies.
Skill Enhancement Course (SEC)	These courses are aimed at strengthening practical and communication skills, including Professional Communication, Engineering Workshops, etc.
Value Education Course (VEC)	These courses are designed to build ethical, social, and managerial competencies, including Social and Life Skills, Essence of Indian Constitution, Environmental Education and Sustainability, Management, etc.
Internship/Project (INP)	These are Industry-integrated courses for experiential learning which include -Internship, Capstone Project.

Sr. No.	Category of Courses	Subject Name	No. of Courses	Mapping with PO's / PSO's	Percentage of Curriculum Content
1	Discipline Specific Course Core (DSC)	Basic Science – Physics / Chemistry	16	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PSO1, PSO2	35.56
		Engineering Graphics			
		Applied Science – Applied Physics / Applied Chemistry			
		Engineering Mechanics			
		Manufacturing Technology			
		Mechanical Engineering Materials			
		Analog And Digital Electronics			
		Industrial Measurements			
		Theory of Machines			

		Control Systems			
		Fluid Power And Industrial Automation			
		Emerging Trends In Mechanical Engineering			
		Industrial Robotics			
		Rapid Prototyping Systems			
		Automotive Mechatronics			
		Micro-Electro Mechanical System			
2	Discipline Specific Elective (DSE)	Mechatronics Systems Using Iot	6	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PSO1, PSO2	13.33
		Process Engineering			
		Product Design And Development			
		Computer Aided Inspection And Quality Assurance			
		Mechatronics In Health Services			
		Smart Manufacturing Systems			
3	Ability Enhancement Course (AEC)	Basic Mathematics	9	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PSO1, PSO2	20.00
		Communication Skills (English)			
		Applied Mathematics			
		Elements of Electrical Engineering			
		Fundamentals of Python Programming			
		Embedded System Using C			
		Entrepreneurship Development And Startups			
		Seminar And Project Initiation Course			
		Management			
4	Value Education Course	Yoga And Meditation	4	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PSO1, PSO2	8.89
		Social And Life Skills			
		Essence of Indian Constitution			
		Environmental Education And Sustainability			
5	Internship / Project (INP)	Internship (12 Weeks)	2	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PSO1, PSO2	4.44
		Capstone Project			
6	Skill Enhancement Course (SEC)	Fundamentals of ICT	8	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PSO1, PSO2	17.78
		Engineering Workshop Practices			
		Engineering Drawing			
		Professional Communication			
		Production Drawing			
		Computer Aided Mechatronics Drafting			
		Maintenance of Industrial Mechatronic Systems			
		Plc Programming And SCADA			

PIE CHART

The below Pie chart represents the distribution of various component of curriculum towards the attainment of POs and PSOs:

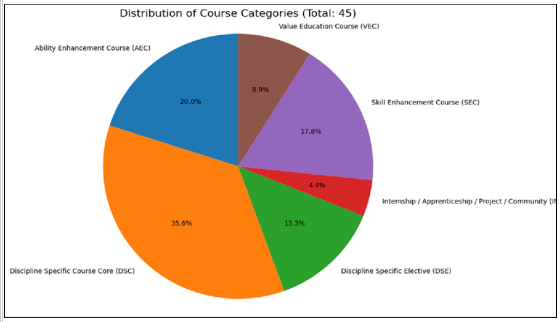


Fig2.1 Distribution of various component of curriculum towards the attainment of POs and PSOs

B. List the curricular gaps for the attainment of POs & PSOs (10) | Institute Marks: 9.00

Curriculum gap identification:

Table. 2.1 CO-PO-PSO Mapping

Program Outcome/ Program Specific Outcome	Weightage (PO count) based on the mapping of Course	Weightage (PSO count) based on the mapping of Course	Percentage
PO1: Basic and Discipline specific knowledge	45	--	100
PO2: Problem analysis	41	--	91.11
PO3: Design/ development of solutions	40	--	88.89
PO4: Engineering Tools, Experimentation and Testing	39	--	86.67
PO5: Engineering practices for society, sustainability and environment	35	--	77.78
PO6: Project Management	33	--	73.33
PO7: Life-long learning	39	--	86.67
PSO1: Maintenance of equipment & Instruments	-	41	91.11
PSO2: Mechatronics Processes	-	39	86.67

If percentage of course mapped with PO's is less than 80% and PSOs less than 90%, it is identified as curriculum gap.

The following POs and PSOs are identified as curricular gaps from course mapping:

PO5: Engineering practices for society, sustainability and environment

PO6: Project Management

PSO2: Mechatronics Processes

Table. 2.3 Identified curriculum Gaps

CAY (2025-26)

Sr. No.	Course	Gap
1	Embedded System Using C	Architecture of 8051 microcontroller
2	Mechanical Engineering Materials	Material Testing - Destructive & Nondestructive Testing
3	Production Drawing	Geometric Dimensioning & Tolerances, Fabrication drawing
4	Industrial Robotics	Integration of PLC with Robot
5	Emerging Trends In Mechanical Engineering	Autonomous systems without software exposure

CAY m1 (2024-25)

Sr. No.	Course	Gap
1	Embedded System Using C	Architecture of 8051 microcontroller
2	Mechanical Engineering Materials	Material Testing - Destructive & Nondestructive Testing
3	Production Drawing	Geometric Dimensioning & Tolerances, Fabrication drawing
4	Industrial Robotics	Integration of PLC with Robot

CAY m2 (2023-24)

Sr. No.	Course	Gap
1	Basic Mechanical Engineering	Material Testing - Destructive & Nondestructive Testing
2	Mechanical Working Drawing	Geometric Dimensioning & Tolerances, Fabrication drawing
3	Industrial Robotics	Integration of PLC with Robot

2.1.2 Contents beyond the Syllabus (15) | Institute Marks: 14.00

A. Steps taken to get identified gaps included in the curriculum (eg. letters to Board) (2) | Institute Marks: 2.00

- A course coordinator does a thorough study of the curriculum. Each course is mapped with Program Outcomes. However, 100% outcome cannot be attained through defined curriculum only.
- To further strengthen program outcome and program specific outcome attainment, gaps are identified and attempted to fill with relevant teaching learning methods.
- Some of the courses require pre-requisites and if it is not covered in the syllabus, that part is covered by course faculty as curriculum gap.
- Curriculum gaps are identified by considering:
  - CO-PO-PSO mapping
  - Course content analysis by course faculty.
  - Suggestions from Industry experts.
  - Suggestion from alumni.
- The identified gaps are conveyed to MSBTE via letter.

B. Delivery details of content beyond syllabus (10) | Institute Marks: 9.00

Methods to fulfil the gap:

- Industry expert lectures.
- Industrial visits.
- Technical workshops.
- Virtual lab practical
- Infosys springboard/NPTEL/Coursera certification
- Video lectures & examinations.
- Paper publications.
- Personality development sessions
- Conducted by course coordinator during lectures

Table 2.4 Gap and action taken

CAY (2025-26)

S. No	Gap	Action Taken	Date- Month-Year	Resource Person with Designation	Mode	No. of Beneficiary	Relevance to POs, PSOs
1	Material Testing - Destructive & Nondestructive Testing	Industrial Visit at NDT Metal Solution Laboratory	19/09/2025	Mr. D.M. Sonar, Director	Offline	42	PO1, PO5, PO7, PSO1, PSO2
2	Integration of PLC with Robot	Expert Lecture, Industrial Automation & Robotics - Trends , Technologies	04/09/2025	Mr. Saurabh Ahellya, Manager	Offline	52	PO1, PO5, PO4, PO7, PSO2
3	Autonomous systems without software exposure	Workshop on Automation & Computer Integrated Sector	18/09/2026	Mr. C.P. Mahajan, Dolphins Lab	Offline	56	PO2, PO5, PO7, PSO1, PSO2
4	Automotive safety symbols	Industrial Visit to B. U. Bhandari Volkswagen Wakad, Pimpri - Chinchwad, Pune - 411057.	13/02/2026	Mr. Ganesh Kale, Service Engineer, 8055566394	Offline	22	PO2, PO4, PO5, PO7, PSO1, PSO2
5	Interfacing of processor with diffrent type of sensors	Expert Lecture on Application of IoT in Mechatronics	04/08/2025	Mr. C.P.Mahajan (CEO Dolphin Labs Embedded Systems Pvt. Ltd.	Offline	50	PO2, PO4, PO5, PO7, PSO2
6	Autonomous systems without software exposure	Expert Lecture on: Industrial Automation & Robotics - Trends, Technologies	11/10/2025	Mr. Nikhil Baravkar Assistance Manager - Passenger Drone Research Ltd, Nashik	Offline	53	PO2, PO3, PO5, PSO2

CAYm1 (2024-25)

S. No	Gap	Action Taken	Date- Month-Year	Resource Person with Designation	Mode	No. of Beneficiary	Relevance to POs, PSOs
1	Calibration process of measuring equipment	Expert lecture on Measurement & Calibration	30/09/2024	Mr. Bhunendra Karandikar, 8378978834	Offline	55	PO1, PO4, PO5, PO7, PSO2
2	Practical Applications of Hydraulic in Industrial Machines.	Industrial visit to Zimmer Automation India Pvt Ltd, Kikvi	20/03/2025	Mr. Sachin Salunkhe, Manager	Offline	45	PO1, PO5, PSO1, PSO2
3	Architecture of 8051 microcontroller	Expert lecture on Introduction to Microcontroller	03/02/2025	Ms. Surbhi Singh, 9411192142	Offline	40	PO5, PO6, PO7
4	Industrial Applications of Hydraulic and Pneumatics	Expert lecture on Robot & Cobot and its domestic applications	10/03/2025	Mr. Shubham Kale, Director, Syncaxis, 8108490029	Offline	52	PO4,PO7, PSO1
5	Mathematical concepts, Laplace transform, limitations.	Control system and its industrial applications	07/03/2025	Dr. Sandhya Shinde, 9766709547	Offline	52	PO4, PO5, PO7, PSO2
6	Preservation of endangered plants species	Industrial visit to Naoroji Godrej centre for plant research	20/03/2025	Mr. Ravindra Salunkhe, Plant Head	Offline	42	PO4, PO7

CAYm2 (2023-24)

S. No	Gap	Action Taken	Date- Month-Year	Resource Person with Designation	Mode	No. of Beneficiary	Relevance to POs, PSOs
1	Material Testing - Destructive & Nondestructive Testing	Industrial Visit at Quality NDT Services	28/08/2023	Mr. Sonar & Shakil Sayyad - Director, 982308321	Offline	52	PO1, PO5, PO7, PSO2, PSO1
2	Geometric Dimensioning & Tolerances, Fabrication drawing	Industrial visit to Pune Heat	28/08/2023	Mr. Narawane, Plant head, 9225310393	Offline	52	PO1, PO4, PO7, PSO1, PSO2
3	Integration of PLC with Robot	Hands-on Workshop on Robot Programming	30/09/2023 to 01/10/2023	Mr. Nilesh Kekan, Service engineer 7028073332	Offline	25	PO1, PO5, PO4, PO7, PSO2
4	Lack of Practical Knowledge of various schemes to start new business	Workshop on Entrepreneurship Development	07/09/2023 to 09/09/2023	Mr. Ajit Dorge, Mr. Akanksha Patil, Trainer, MCED	Offline	26	PO1, PO2, PO3, PO6, PO7
5	Industrial applications (Real time monitoring) of IOT	Guest lecture on Arduino Interfacing, Workshop on Raspberry PI Interfacing	30/09/2023 to 01/10/2023	Atharva Aniruddha Gaopande, Founder Robot Classroom & Solutions	Offline	34	PO1, PO4, PO7, PSO2
6	Automotive safety symbols	Industrial visit to B. U. Bhandari Volkswagen Wakad, Pimpri - Chinchwad, Pune - 411057.	31/08/2023	Mr. Ganesh Kale, Service Engineer, 8055566394	Offline	22	PO2, PO4, PO5, PO7, PSO1, PSO2

C. Mapping of content beyond syllabus with the POs & PSOs (3) | Institute Marks: 3.00

2025-26

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	Material Testing	Industrial Visit at	19/09/2025	Mr. D.M. Sonar, Director	Offline	42	PO1, PO5, PO7, I
2	Integration of PL	Expert Lecture, I	04/09/2025	Mr. Saurabh Ahellya, Mana	Offline	52	PO1, PO5, PO4,
3	Autonomous sys	Workshop on Au	18/09/2026	Mr. C.P. Mahajan, Dolphins	Offline	56	PO2, PO5, PO7, I
4	Automotive safet	Industrial Visit to	13/02/2026	Mr. Ganesh Kale, Service E	Offline	42	PO2, PO4, PO5,
5	Interfacing of pn	Expert Lecture o	04/08/2025	Mr. C.P.Mahajan (CEO Dol	Offline	50	PO2, PO4, PO5,
6	Autonomous sys	Expert Lecture o	11/10/2025	Mr. Nikhil Baravkar Assista	Offline	53	PO2, PO3, PO5,

2024-25

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	Calibration proces	Expert lecture on	30/09/2024	Mr. Bhunendra Karandikar,	Offline	55	PO1, PO4, PO5,
2	Practical Applicati	Industrial visit to	20/03/2025	Mr. Sachin Salunkhe, Mana	Offline	45	PO1, PO5, PSO1
3	Architecture of 8(	Expert lecture on	03/02/2025	Ms. Surbhi Singh, 9411192	Offline	40	PO5, PO6, PO7
4	Industrial Applica	Expert lecture on	10/03/2025	Mr. Shubham Kale, Director	Offline	52	PO4,PO7, PSO1
5	Mathema Control	Expert lecture on	07/03/2025	Dr. Sandhya Shinde, 97667	Offline	52	PO4, PO5, PO7, F
6	Preservation of en	Industrial visit to	20/03/2025	Mr. Ravindra Salunkhe, Plan	Offline	42	PO4, PO7, PSO1

2023-24

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	Material Testing -	Industrial Visit at	28/08/2023	Mr. Sonar & Shakil Sayyad	Offline	52	PO1, PO5, PO7,
2	Geometric Dimen	Industrial visit to	28/08/2023	Mr. Narawane, Plant head,	Offline	52	PO1, PO4, PO7,
3	Integration of PLC	Hands-on Worksh	30/09/2023	Mr. Nilesh Kekan, Service e	Offline	26	PO1, PO5, PO4,
4	Lack of Practical I	Workshop on Ent	07/09/2023	Mr. Ajit Dorge, Mr. Akanksh	Offline	26	PO1, PO2, PO3,
5	Industrial applica	Guest lecture on	30/09/2023	Atharva Aniruddha Gaopan	Offline	34	PO1, PO4, PO7, F
6	Automotive safety	B. U. Bhandari Vc	31/08/2023	Mr. Ganesh Kale, Service Ei	Offline	22	PO2, PO4, PO5,

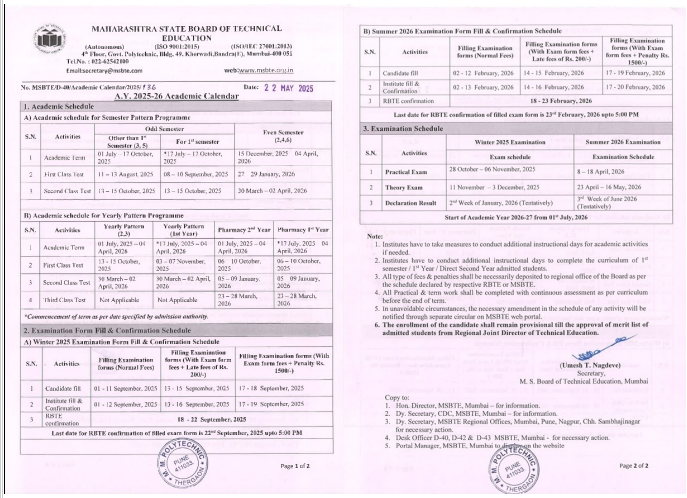
2.2 Teaching - Learning Process (160)

2.2.1 Describe Processes followed to ensure/improve quality of Teaching & Learning based on following points (25) — Institute Marks: 25.00

A. Adherence to Academic Calendar (3) — Institute Marks: 3.00

MSBTE Academic Calendar:

Maharashtra board of technical education issues an academic calendar to the institute, which includes the schedule for both odd and even semesters (commencement and end of semesters), examination timelines such as the First Class Test, Second Class Test, Practical Examination, and Theory End-Semester Examination, the schedule for examination form filling, the tentative date of result declaration, and the date of commencement of the next academic year. A sample academic calendar is shown in the given fig.



MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION
(Autonomous) (ISO 9001:2015) (ISO/IEC 27001:2013)
4th Floor, Govt. Polytechnic, Bldg. 49, Kherwadi,Bandra(E), Mumbai-400 051
Tel.No.: 022-62742100
Email:secretary@msbte.com web:www.msbte.org.in

No. MSBTE/D-40/Academic Calendar/2025/ F 5.6 Date: 22 MAY 2025

A.Y. 2025-26 Academic Calendar

1. Academic Schedule

A) Academic schedule for Semester Pattern Programme

S.N.	Activities	Odd Semester: Other than 1st Semester (3, 5)	Odd Semester: For 1st semester	Even Semester (2,4,6)
1	Academic Term	01 July – 17 October, 2025	*17 July – 13 October, 2025	15 December, 2025 – 04 April, 2026
2	First Class Test	11 – 15 August, 2025	08 – 10 September, 2025	27 – 29 January, 2026
3	Second Class Test	13 – 15 October, 2025	13 – 15 October, 2025	20 March – 02 April, 2026

B) Academic schedule for Yearly Pattern Programme

S.N.	Activities	Yearly Pattern (2,3)	Yearly Pattern (1st Year)	Pharmacy 2nd Year	Pharmacy 1st Year
1	Academic Term	01 July, 2025 – 04 April, 2026	*17 July, 2025 – 04 April, 2026	01 July, 2025 – 04 April, 2026	*17 July, 2025 – 04 April, 2026
2	First Class Test	13 – 15 October, 2025	03 – 07 November, 2025	06 – 10 October, 2025	06 – 10 October, 2025
3	Second Class Test	30 March – 02 April, 2026	30 March – 02 April, 2026	05 – 09 January, 2026	05 – 09 January, 2026
4	Third Class Test	Not Applicable	Not Applicable	23 – 28 March, 2026	23 – 28 March, 2026

*Commencement of term as per date specified by admission authority.

2. Examination Form Fill & Confirmation Schedule

A) Winter 2025 Examination Form Fill & Confirmation Schedule

S.N.	Activities	Filling Examination forms (Normal Fees)	Filling Examination forms (With Exam form fees + Late fees of Rs. 200/-)	Filling Examination forms (With Exam form fees + Penalty Rs. 1500/-)
1	Candidate fill	01 - 11 September, 2025	13 - 15 September, 2025	17 - 18 September, 2025
2	Institute fill & Confirmation	01 - 12 September, 2025	13 - 16 September, 2025	17 - 19 September, 2025
3	RBT confirmation	18 - 22 September, 2025		
	Last date for RBTE confirmation of filled exam form is 22nd September, 2025 upto 5:00 PM			

Page 1 of 2

B) Summer 2026 Examination Form Fill & Confirmation Schedule

S.N.	Activities	Filling Examination forms (Normal Fees)	Filling Examination forms (With Exam form fees + Late fees of Rs. 200/-)	Filling Examination forms (With Exam form fees + Penalty Rs. 1500/-)
1	Candidate fill	02 - 12 February, 2026	14 - 15 February, 2026	17 - 19 February, 2026
2	Institute fill & Confirmation	02 - 13 February, 2026	14 - 16 February, 2026	17 - 20 February, 2026
3	RBTE confirmation	18 - 23 February, 2026		
	Last date for RBTE confirmation of filled exam form is 23rd February, 2026 upto 5:00 PM			

3. Examination Schedule

S.N.	Activities	Winter 2025 Examination: Exam schedule	Summer 2026 Examination: Examination Schedule
1	Practical Exam	28 October – 06 November, 2025	8 – 18 April, 2026
2	Theory Exam	11 November – 3 December, 2025	23 April – 16 May, 2026
3	Declaration Result	2nd Week of January, 2026 (Tentatively)	3rd Week of June 2026 (Tentatively)
	Start of Academic Year 2026-27 from 01st July, 2026		

Note:
1. Institutes have to take measures to conduct additional instructional days for academic activities if needed.
2. Institutes have to conduct additional instructional days to complete the curriculum of 1st semester / 1st Year / Direct Second Year admitted students.
3. All type of fees & penalties shall be necessarily deposited to regional office of the Board as per the schedule declared by respective RBTE or MSBTE.
4. All Practical & term work shall be completed with continuous assessment as per curriculum before the end of term.
5. In unavoidable circumstances, the necessary amendment in the schedule of any activity will be notified through separate circular on MSBTE web portal.
6. The enrollment of the candidate shall remain provisional till the approval of merit list of admitted students from Regional Joint Director of Technical Education.

(Umesh T. Nagdeve)
Secretary,
M. S. Board of Technical Education, Mumbai

Copy to:
1. Hon. Director, MSBTE, Mumbai – for information.
2. Dy. Secretary, CDC, MSBTE, Mumbai – for information.
3. Dy. Secretary, MSBTE Regional Offices, Mumbai, Pune, Nagpur, Chh. Sambhajinagar for necessary action.
4. Desk Officer D-40, D-42 & D-43 MSBTE, Mumbai - for necessary action.
5. Portal Manager, MSBTE, Mumbai to display on the website

Page 2 of 2

Fig.2.2 MSBTE Academic Calendar of CAY 2025-26

Institutional & Departmental Academic Calendar

The institute and department follow a structured process for planning and implementing academic activities through well-defined academic calendars.

- The academic calendar of the institute is prepared in alignment with the calendar provided by the *MSBTE*.
- The **Institute Academic Calendar** is prepared by the Principal in consultation with all Heads of Departments (HODs), ensuring uniformity and effective coordination across departments.
- Based on the institute calendar, each department prepares its **Departmental Academic Calendar** under the guidance of the HOD, in consultation with faculty members and laboratory assistants.
- The departmental calendar incorporates all academic and co-curricular activities in a systematic manner.

A sample institute academic calendar is shown in the given fig.

Maratiwada Mitra Mandal's Polytechnic
Pimpri Chinchwad Pune – 411033
Institute calendar 2025-26 (Odd Semester)

Fig.2.3 Institute Academic Calendar

The **Departmental Academic Calendar** typically includes:

- Commencement and conclusion of the semester
- Schedule of class tests and internal examinations
- Internal and external academic monitoring dates
- Planning of guest lectures, workshops, and seminars
- Industrial visits and field activities
- Co-curricular and extracurricular activities
- Parents teacher meet schedule
- Mid-term audits schedule

At the beginning of each academic session, both the **Institute Academic Calendar** and **Departmental Academic Calendar** are displayed on institute and departmental notice boards and shared with students and staff to ensure awareness and adherence. This systematic approach ensures effective academic planning, smooth execution of activities, and timely completion of the curriculum.

A sample department academic calendar is shown in the given fig.

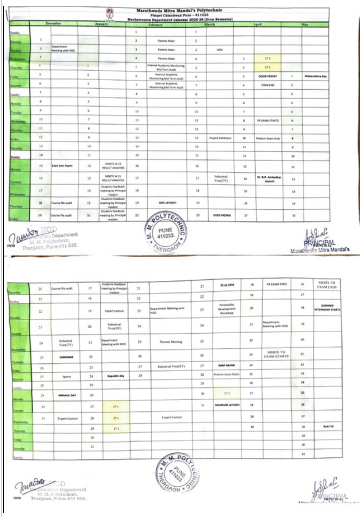


Fig.2.4 Department Academic Calendar

Their implementation is monitored by the Head of the Institute and the Head of Department through regular academic reviews and audits, while any deviations are addressed through corrective measures such as extra classes and rescheduling. The alignment of MSBTE, Institute, and Departmental academic calendars ensures systematic planning, effective implementation, continuous monitoring, and overall enhancement of the quality of the teaching–learning process.

B. Use of various instructional planning and delivery methods (3)

Institute Marks
3.00

The institute adopts a systematic and student-centric approach to enhance the quality of teaching–learning in line with the curriculum prescribed by Maharashtra State Board of Technical Education. Various instructional planning and delivery methods are implemented to address diverse learning needs and improve student engagement.

Table 2.5 Instructional planning and delivery methods

Sr. No.	Planning	Method	Details
1	Instructional Planning Methods	Teaching Plan & Practical Plan	- Prepared by faculty based on academic calendar -Theory Learning Outcomes, Course Outcomes - Practical Learning Outcomes - Teaching methods to be used - Date of planning and execution
		Course File Preparation	- Curriculum - CO statements - CO–PO/PSO mapping - Teaching plan and practical plan - Project target result with action plan - Theory & Practical Attendance - Continuous Assessment - Class test question paper & model answer - Subject-related notes - Question banks and assignments - Previous question papers
		Traditional Teaching	- Chalk-and-talk method for fundamental concepts - Board work for problem-solving subjects - Interactive questioning during lectures
		ICT-Enabled Teaching	- PowerPoint presentations - Video lectures and animations - Smart classrooms and projectors
		Experiential Learning	- Laboratory experiments aligned with theory subjects - Micro-projects - Industrial visits to bridge theory and practice
		Participative Learning	- Group discussions and seminars - Student presentations - Peer learning activities
2	Monitoring and Evaluation	Monitoring and Evaluation	- Regular review of teaching methods through: -HOD observations - Academic audits - Student feedback
3	Continuous Improvement Measures	Continuous Improvement	- Incorporation of feedback into teaching practices - Faculty development programs (FDPs) - Adoption of innovative pedagogies

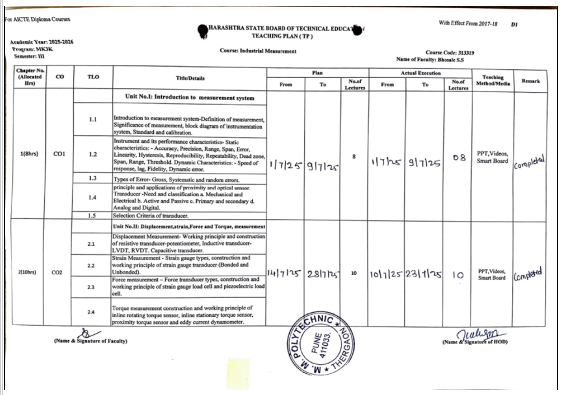
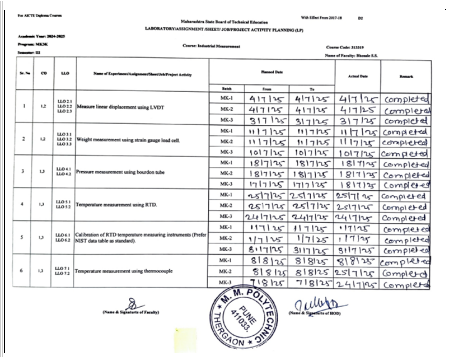


Fig.2.5 Example Teaching Plan of Industrial Measurements (MK3K)



For ACTS Diploma Course: Web Effect From 2017-18 D2

Maharashtra State Board of Technical Education

LABORATORY/ASSIGNMENT SHEET/ JOB/PROJECT ACTIVITY PLANNING (LP)

Academic Year: 2024-2025 | Course: Industrial Measurement | Course Code: 311919

Program: MK3K | Name of Faculty: Mamale S.S.

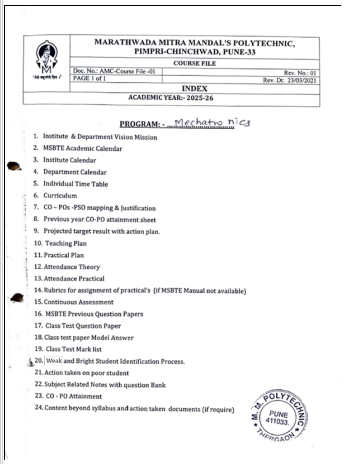
Semester: III

Sr. No	CO	ULO	Name of Experiment/Assignment/Sheet/Job/Project Activity	Planned Date			Actual Date	Remark
				Batch	From	To		
1	1,2	1.2.1.1 1.2.2.2 1.2.3.3	Measure linear displacement using LVDT	MK-1	4/7/25	4/7/25	4/7/25	completed
				MK-2	4/7/25	4/7/25	4/7/25	completed
				MK-3	3/7/25	3/7/25	3/7/25	completed
2	1,2	1.2.1.1 1.2.2.2 1.2.3.3	Weight measurement using strain gauge load cell.	MK-1	11/7/25	11/7/25	11/7/25	completed
				MK-2	11/7/25	11/7/25	11/7/25	completed
				MK-3	10/7/25	10/7/25	10/7/25	completed
3	1,2	1.2.4.1 1.2.4.2	Pressure measurement using bourdon tube	MK-1	18/7/25	18/7/25	18/7/25	completed
				MK-2	18/7/25	18/7/25	18/7/25	completed
				MK-3	17/7/25	17/7/25	18/7/25	completed
4	1,2	1.2.5.1 1.2.5.2	Temperature measurement using RTD.	MK-1	25/7/25	25/7/25	25/7/25	completed
				MK-2	25/7/25	25/7/25	25/7/25	completed
				MK-3	24/7/25	24/7/25	24/7/25	completed
5	1,2	1.2.6.1 1.2.6.2	Calibration of RTD temperature measuring instruments (Prefer NIST data table as standard)	MK-1	1/7/25	1/7/25	1/7/25	completed
				MK-2	1/7/25	1/7/25	1/7/25	completed
				MK-3	8/7/25	8/7/25	8/7/25	completed
6	1,3	1.3.7.1 1.3.7.2	Temperature measurement using thermocouple	MK-1	8/8/25	8/8/25	8/8/25	completed
				MK-2	8/8/25	8/8/25	25/7/25	completed
				MK-3	7/8/25	7/8/25	24/7/25	completed

(Name & Signature of Faculty) (Name & Signature of HOD)

M. M. POLYTECHNIC PUNE 411033 THERGAON

Fig.2.6 Example Practical Plan of Industrial Measurements (MK3K)



MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI-CHINCHWAD, PUNE-33

COURSE FILE

Doc. No.: AMC-Course File -01 Rev. No.: 01

PAGE 1 of 1 Rev. Dt. 23/03/2021

INDEX

ACADEMIC YEAR- 2025-26

PROGRAM:- Mechatronics

1. Institute & Department Vision Mission
2. MSBTE Academic Calendar
3. Institute Calendar
4. Department Calendar
5. Individual Time Table
6. Curriculum
7. CO – POs -PSO mapping & Justification
8. Previous year CO-PO attainment sheet
9. Projected target result with action plan.
10. Teaching Plan
11. Practical Plan
12. Attendance Theory
13. Attendance Practical
14. Rubrics for assignment of practical's (if MSBTE Manual not available)
15. Continuous Assessment
16. MSBTE Previous Question Papers
17. Class Test Question Paper
18. Class test paper Model Answer
19. Class Test Mark list
20. Weak and Bright Student Identification Process.
21. Action taken on poor student
22. Subject Related Notes with question Bank
23. CO - PO Attainment
24. Content beyond syllabus and action taken documents (if require)

M. M. POLYTECHNIC PUNE 411033 THERGAON

Fig.2.7 Example Course File Index

C. Methodologies to support weak students and encourage bright students (4)

Institute Marks: 4.00

Identification of Weak Students-

Students are identified as weak based on:

- Performance in unit tests.(Below 40%)
- Slow grasping ability observed by course instructors
- Backlogs in previous result

Weak Student Support Strategy: -

- Each course coordinator ensures continuous monitoring of academic progress, attendance, examination performance, and overall development.
- Phone calls are made to parents to inform about the attendance and to take follow up of homework given by course coordinator
- Regular fortnightly meetings are conducted for review and personalized guidance. Individual counselling and support are also provided to address academic, personal, and career-related concerns.
- Extra assignments and question banks are given to weak students and taken follow ups by course coordinator
- Attenntion provided during practical hours
- Students' performance in internal examinations is continuously reviewed, and necessary guidance and corrective counselling are provided by the course coordinator.
- Additional or remedial classes are organized to strengthen understanding of subjects. Topic-based assignments are given to enhance subject knowledge and clarity.
- Regular practice is provided for solving numerical problems and drawing diagrams.
- Previous board examination question papers along with model answers are shared for better exam preparation.

Identification of Bright Student:

Students are identified as bright based on:

- Performance in unit tests. (Above 60%)
- Consistent academic performance
- Active classroom participation
- Punctuality in given task are identified as bright students

Encourage Bright Students: -

- Encourage active participation in state-level, national-level, and inter-college events to widen their experience and competitive spirit.
- Promote involvement in project exhibitions, technical paper presentations, quiz contests, and sports competitions to support both academic and extracurricular abilities.
- Motivate students to attend training programs, seminars, workshops, and internships to enhance their practical knowledge and professional exposure.
- Assign specific topics or responsibilities to students to help develop their confidence, communication skills, and leadership qualities in the classroom.
- Recognize and honor outstanding students during special occasions to appreciate their achievements and inspire others.

Impact Encouraged Bright Student

Table.2.6 Students Achievements / participation in inter college national projects and events

CAY (2025-26)

Sr. No.	NAME OF EVENT	Organizing Institute	Level of the Event	Date of Event	NAME OF STUDENTS	POSITION SECURED
1	State level technical event 2025-26 - innovative idea presentation	Pimpri Chinchwad Polytechnic	State Level	24-01-2026	Dnynesh Mankare	2nd
2	Tech Titans 2K-26- State Level Project Competition	Pimpri Chinchwad Polytechnic Pune	State Level	23-03-2026	Dnynesh Mankare	2nd
3	Tech Titans 2K-26- State Level Project Competition	Pimpri Chinchwad Polytechnic Pune	State Level	23-03-2026	Anchal kinge	2nd
4	Tech Titans 2K-26- State Level Project Competition	Pimpri Chinchwad Polytechnic Pune	State Level	23-03-2026	Vaibhavi adhikari	2nd
5	State level E-CAR race Competition	Shri Siddheshwar womens Polytechnic Solapur	State Level	20-09-2025	Dnynesh Mankare	Participated
6	STEAM project Presentation	IISER Pune In collaboration with Pimpri Chinchwad Science Park	State Level	28-02-2026	Dnynesh Mankare	Participated
7	Technofest 2K25: A State Level Technical Event- Poster Presentation	Marathwada Mitra Mandals Polytechnic Pune	State Level	2025-26	Srushti Bhenki	Participated
8	Technofest 2K25: A State Level Technical Event- Cad Quiz	Marathwada Mitra Mandals Polytechnic Pune	State Level	2025-26	Srushti Bhenki	Participated
9	Award of Achievement conferred in recognition in the field of Robotics and Embedded Systems.	AICRA All India Council of Robotics and Automation.	National Level	2025-26	Dnynesh Mankare	Participated
10	Tech Mania 2K26- Mini Project Competition	Rasiklal M. Dhariwal Institute Of Technology Chinchwad Pune	State Level	14-02-2026	Dnynesh Mankare	Participated
11	Tech Mania 2K26-Paper Presentation	Rasiklal M. Dhariwal Institute Of Technology Chinchwad Pune	State Level	14-02-2026	Dnynesh Mankare	Participated
12	Employability Skill Training Programme 2025-26	Mahindra Pride Classroom	Institute level	09-02-2026	Final Year Students	participated
13	Three Days Hands on Workshop IOT basics made simple: Learn , Build , Innovate	Marathwada Mitra Mandals Polytechnic Punein Association with Dolphin Labs, Pune	Institute Level	18/09/25 - 20/09/25	Final Year Students	participated

D. Quality of classroom teaching (3)

Institute Marks: 3.00

The Teaching-Learning Scheme in the MSBTE curriculum is a structured framework that outlines how instructions are organized to achieve the intended learning outcomes of each course.

- Effective Teaching Learning Process:
  - Structured teaching plans aligned with curriculum objectives.
  - Appropriate instructional methods for effective delivery.
  - Timely completion of syllabus.

- Clear and understandable concept explanation.

- Use of Modern Teaching Aids:
  - PowerPoint presentations for effective content delivery.
  - Smart boards and projectors for visual learning.
  - Audio-visual resources to enhance understanding.
  - Simulation and software tools for practical exposure.
- Student Engagement:
  - Interactive classroom discussions.
  - Question-answer sessions during lectures.
  - Problem-solving activities.
  - Practical application of theoretical knowledge.
- Faculty Competence:
  - Qualified and experienced faculty members.
  - Strong subject expertise.
  - Updated technical knowledge with industry exposure.
- Assessment and Feedback:
  - Regular tests and quizzes.
  - Assignments and tutorial sessions.
  - Continuous internal assessment.
  - Student feedback analysis for improvement.
  - Corrective measures based on performance review.
- Learning Environment:
  - Discipline and punctuality in academic activities.
  - Adequate classroom infrastructure.
  - Proper lighting and ventilation for a conducive learning atmosphere.
  - ERP based practice tests are conducted

Fig.2.9 Classroom Teaching

E. Conduct of experiments (3)	Institute Marks
	3.00

- Experiments are conducted as per the curriculum and laboratory timetable.
- Laboratory manuals and experiment procedures are made available to students.
- Faculty performs experiments in advance to verify equipment functionality and expected outcomes.
- Proper briefing of objectives, theory, procedure, and precautions is provided before conducting experiments.
- Safety norms and good laboratory practices are strictly followed.
- Adequate instruments, softwares, tools, consumables, and testing devices are available for smooth conduct of practicals.
- Students perform experiments individually/in groups with active participation.
- Observation and interpretation of results are emphasized.
- Faculty members provide continuous guidance and Lab assistant provide technical support during practical sessions.
- Viva-voce, manual checking, and practical assessments are conducted regularly.
- Maintenance and calibration of laboratory equipment are carried out periodically.
- Laboratory records, manuals, and stock registers are properly maintained.
- ICT tools, simulation software, and modern teaching aids are used wherever applicable.
- Practical sessions focus on skill development and industry-oriented learning.
- Cleanliness, discipline, and proper utilization of laboratory resources are ensured.
- Minimum 80% or more practical activities should be conducted.

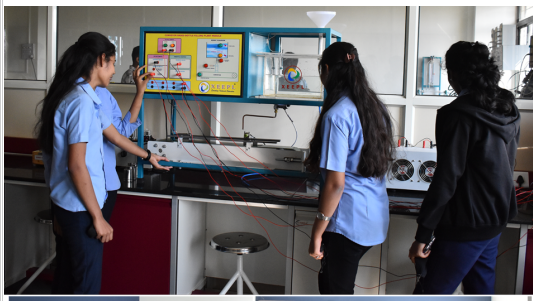


Fig.2.10 Experiments Conduction in Lboratory

F. Continuous Assessment in the laboratory (3)	Institute Marks
	3.00

Continuous assessment system implemented for assessment of laboratory work.

Formative Assessment of Practical (FA-PR): The Formative Assessment for practical (FA-PR) is structured to ensure continuous evaluation of student's Psychomotor skills, Cognitive skills in the laboratory

Practical performed by students are continuously assessed in the laboratory. The assessment is done on the basis of process related (10 Marks/40%) and product related (15 Marks/60%). The marks allocated are as per the Learning Assessment scheme of the course.

Summative Assessment of Practical (SA-PR): Practical Exams are conducted at the end of the semester and scores are awarded as per the performance of the students. The assessment is either external or internal as per the directives of MSBTE. The marks are allocated are as per the Learning Assessment scheme of the course.

Quality of assessment is ensured by considering the performance indicators as given below:

Rubrics for Assessment Scheme

Table. 2.7 Example- Rubrics for Assessment Scheme

	Performance Indicators	Weightage
	Process Related (15 Marks)	**(60%)**
1	Handling of the set up	30%
2	Observations of set up	30%
	Product Related (10 Marks)	**(40%)**

3	Interpretation of result	10%
4	Conclusions	10%
5	Practical related questions/viva	20%
	Total	100%

Marks Obtained			Dated Signature of Teacher
Process Related (15)	Product Related (10)	Total (25)	

PLC PROGRAMMING AND SCADA (316352)

XV. References/ suggestions for further Reading

Sr. No.	Link	Discription
1	https://www.youtube.com/watch?v=AG5dNyPUBOI	Up-Down counter using TIA portal.
2	https://www.youtube.com/watch?v=MS3qJq2jvu0	This NPTEL lecture discuss about basics of program logic controllers. Various programming techniques and terms used in PLC are discussed in detail.
3	Free Allen Bradley PLC Ladder Logic Training Course	PLC Ladder Logic Training Course.

XVI. Suggested Assessment Scheme

Performance Indicators		Weightage (%)
Process related: 15 Marks		60%
1	Safety Practices & Setup	20%
2	Preparation and Testing	20%
3	Communication Setup	20%
Product related: 10 Marks		40%
1	Hardware Identification	15%
2	System Documentation	15%
3	Post-Troubleshooting	10%
Total : 25 Marks		100%

Marks Obtained			Dated Sign of Teacher
Process Related (15)	Product Related (10)	Total (25)	
12	10	22	9/1/26

Maharashtra State Board of Technical Education (K-Scheme) 38

Fig.2.11 Example Assessment of PPS Manual

For AICTE Diploma Courses wef - 2017 - 18 D3

Maharashtra State Board of Technical Education
PROGRESSIVE ASSESMENT OF PRACTICALS

Academic Year: 2025-26
Program: MK
Semester: VI
Course: MMS Course Code: 316353
Name of Faculty: Mrs. Patil K.V.

Roll No.	Enrollment No.	Exam Seat No.	Name of the student	Experiment/Job/Assignment/Sheet/Activity of Project (Marks out of per Experiment)										
1	2	3	4	5										
				14	15	16	17	18	19	20	21	22	23	24
220506	2209890336	227756	Dhotre Shruti Dnyaneshwar	21	22	22	22	22	22	23	23			
220508	2209890338	227757	Doijad Mangesh Manoj	23	23	23	23	23	23	23	23			
220510	2209890340	227758	Galande Sakshi Sunil	21	21	21	21	22	22	22	22			
220530	2209890360	227759	Mujmule Aarti Bhimrao	21	21	22	22	22	22	22	21			
220537	2209890367	227760	Patil Rohan Prakash	21	22	22	21	21	21	21	21			
220562	2209890392	227761	Udmale Dipali Bibhishan	21	21	21	21	21	21	21	21			
230501	23212280501	227762	Adhikari Vaibhavi Santosh	22	23	22	23	23	23	23	23			
230502	23212280502	227763	Aditya M Dhanshetty	23	23	23	23	23	23	23	23			
230503	23212280503	227764	Ankushe Siddhi Shivaji	23	23	23	23	23	23	23	23			
230504	23212280504	227765	Auti Sarthak Santosh	23	23	23	23	23	23	23	23			
230505	23212280505	227766	Avadhoot Abhijeet Shinde	22	22	22	22	22	21	21	22			
230508	23212280508	227767	Chavan Om Bhimrao	22	21	21	22	21	21	21	21			
230509	23212280509	227768	Dabhole Sanchita Chandrakant	21	21	21	21	22	22	22	22			
230510	23212280510	227769	Dervankar Sai Govind	22	22	22	22	22	22	22	22			
230511	23212280511	227770	Dhuri Soham Shashikant	23	23	23	23	23	23	23	23			
230512	23212280512	227771	Gaikwad Prajwal Balasaheb	21	21	21	21	21	21	21	21			
230513	23212280513	227772	Halnor Akshay Sunil	22	22	22		22	22	22	22			
230515	23212280515	227773	Himanshu Sandeep Shukla	21	21	21	21	22	22	22	22			
230521	23212280521	227774	Kamble Pratik Pravin	20	20	20	20	20	21	21	21			
230523	23212280523	227775	Kaspate Omkar Vishwanath	21	21	21	21	21	21	21	21			
230524	23212280524	227776	Kinge Anchal Anil	23	23	23	23	23	23	23	23			
230525	23212280525	227777	Kokate Vaibhav Mahadev	22	22	22	22	22	22	22	22			
230526	23212280526	227778	Kolhe Chetan Dilip	21	21	21	21	22	22	22	22			
230527	23212280527	227779	Koli Om Navanath	21	21	20	20	20	20	20	20			
230528	23212280528	227780	Kshirsagar Pruthvit Sachin	22	22	22	22	22	22	22	22			
230529	23212280529	227781	Manjare Samiksha Surendra	21	21	21	21	22	21	21	21			
230531	23212280531	227782	Nanekar Bhargavi Rahul	21	21	21	21	21	21	21	21			
230532	23212280532	227783	Nimbalkar Nandini Pankaj	21	21	21	21	21	21	21	21			

(Name & Signature of Faculty) (Name & Signature of HOD)

Academic Year: 2025-26
Program: MK
Semester: VI
Course: MMS Course Code: 316353
Name of Faculty: Patil K.V.

Roll No.	Experiment/Job/Assignment/Sheet/Activity of Project (Marks out of per Experiment)						Total Marks out of (23 X No. Of Experiments) (17)	PA Marks of Practical Converted according to T.E. Scheme (Max. Marks 25)	Sign	Microproject Marks
1	5						6	7		
	27	28	29	30	31	32				
220506							398	23		
220508							414	23		
220510							392	22		
220530							393	22		
220537							383	22		
220562							385	22		
230501							410	23		
230502							414	23		
230503							412	23		
230504							410	23		
230505							384	22		
230508							389	22		
230509							388	22		
230510							389	22		
230511							412	23		
230512							386	22		
230513							384	22		
230515							387	22		
230521							379	22		
230523							378	21		
230524							414	23		
230525							389	22		
230526							399	23		
230527							368	21		
230528							398	23		
230529							383	22		
230531							378	21		
230532							383	22		

(Name & Signature of Faculty) (Name & Signature of HOD)

Fig. 2.12 Example: Continuous Assessment of Micro Elecro Mechanical Systems (316353)

G. Student feedback of teaching learning process and action taken (6)	Institute Marks
	6.00

Student feedback plays a vital role in assessing, improving, and strengthening the quality of the teaching–learning process.

Course-wise Feedback collected by head of department from students that helps the institution to understand how teaching practices are perceived by students. Feedback is taken twice in the academic year.

Following points are considered while taking feedback of course coordinator:

- Punctuality & Discipline
- Domain Knowledge
- Presentation Skill & Interaction with Students
- Ability to Resolve Difficulties
- Effective Use of Teaching Aids

THE FEEDBACK MECHANISM PROCESS:

- The Feedback Process comprises of 3 stages:

Stage I (Collection of Feedback): The feedback process is collected by HOD through the offline mode through a well-designed form questionnaire employing rating scales for each course of all semesters

Stage II (Analysis of feedback): The detailed analysis of feedback is carried out afterward and coursewise suggestive action plan prepared by HOD.

Stage III (Action Taken): The plan is prepared and informed to respective course coordinator for corrective measures and recommended for further improvements.

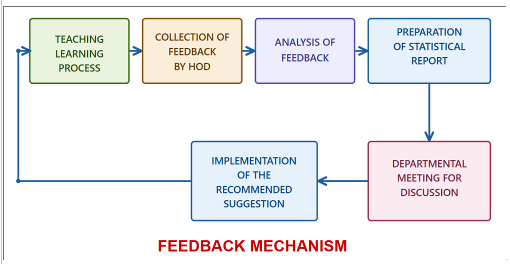


Fig. 2.13 Feedback Mechanisn Flow chart

Stage - I: Feedback Collection: It mainly involves a structured method of collection of feedbacks. It is conducted through a well-designed form questionnaire employing rating scales by the HOD. The feedback is collected in a semester from students by respective course coordinator.

D – 14

For AICTE Diploma Courses

w.e.f. : 2017-18

Maharashtra State Board of Technical Education

STUDENTS' FEEDBACK

(Head of the Department shall take the feedback at the End of Second Class Test)

Academic Year: 2024-25 **Programme :** Mechatronics **Semester :** IV **Date :** 11 /03/2025

Sr. No.	Name of the Course (TH / PR)	Name of faculty	Each Parameter to be Assessed on the Scale of 01 to 05 (01 Lowest & 05 – Highest)					Total Marks (Max 25)
			Punctuality & Discipline	Domain Knowledge	Presentation Skill & Interaction with Students	Ability to Resolve Difficulties	Effective Use of Teaching Aids	
1	EES	Ms. Rupali Rathore	3.48	3.24	3.36	3.17	3.07	16.31
2	CSS	Mrs. S. S. Bhosale	4.88	4.88	4.79	4.74	4.83	24.10
3	ESC	Mrs. K. V. Patil	4.40	4.21	4.19	4.19	4.19	21.19
4	IAU	Mr. N. M. Gaikwad	4.90	4.81	4.83	4.71	4.64	23.90
5	TOM	Ms. Rupali Rathore	4.14	3.24	3.29	3.00	3.24	16.26

(Name & Sign of HOD)

Fig. 2.14 Student Feedback Format

Stage II: Feedback Analysis and Reporting: The HOD analyses the student feedback and the feedback analysis report is prepared and submitted to the HOD for corrective actions. The feedback form consists of the five options as- 1.Poor 2.Satisfactory 3.Good 4.Very Good 5.Excellence Each parameter to be assessed on the scale of 1 to 5

For AICTE Diploma Courses

wef - 2017-18

Maharashtra State Board of Technical Education

STUDENTS FEEDBACK ANALYSIS

Academic Year: 2024-25 Program: MK4 Semester: IV Date: 12/03/2025

Sr. No.	Name of the Course (TH / PR)	Name of faculty	Punctuality & Discipline	Domain Knowledge	Presentation Skill & Interaction with Students	Ability to Resolve Difficulties	Effective Use of Teaching Aids	Total Marks (Max 25)
1	EES	Ms. Rupali Rathore	3.48	3.24	3.36	3.17	3.07	16.31
2	CSS	Mrs. S. S. Bhosale	4.88	4.88	4.79	4.74	4.83	24.10
3	ESC	Mrs. K. V. Patil	4.40	4.21	4.19	4.19	4.19	21.19
4	IAU	Mr. N. M. Gaikwad	4.90	4.81	4.83	4.71	4.64	23.90
5	TOM	Ms. Rupali Rathore	4.14	3.24	3.29	3.00	3.24	16.26

Prepared By

HOD (Mechatronics)

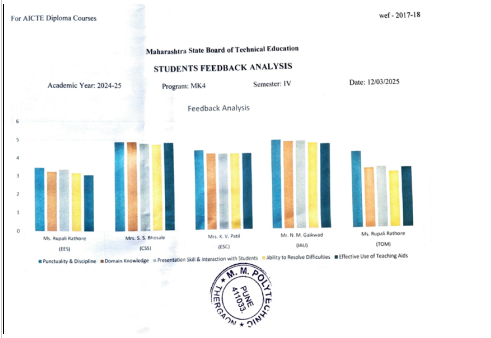


Fig. 2.14 Students Feedback Analysis

Stage III: Action Taken: The department conducts meetings based on student feedback where the Head of Department (HOD) discusses the plan of action with course coordinators. Course coordinators scoring below 70% are given corrective measures, and the HOD also meets them individually to suggest improvements or extend appreciation for good performance. The impact of these actions is monitored and reflected in the next cycle of the feedback system, ensuring continuous enhancement of teaching quality.

2.2.2 Initiatives to improve the quality of semester tests and assignments (15)	Institute Marks
	15.00

A. Process for Internal semester question paper setting and evaluation and effective process implementation (5)	Institute Marks
	5.00

In every semester, two internal tests are conducted as per the schedule prescribed by the Maharashtra State Board of Technical Education (MSBTE). The first test is held after seven weeks of teaching and covers approximately 50% of the syllabus, while the second test is conducted after fourteen weeks and covers the remaining 50%, following MSBTE guidelines.

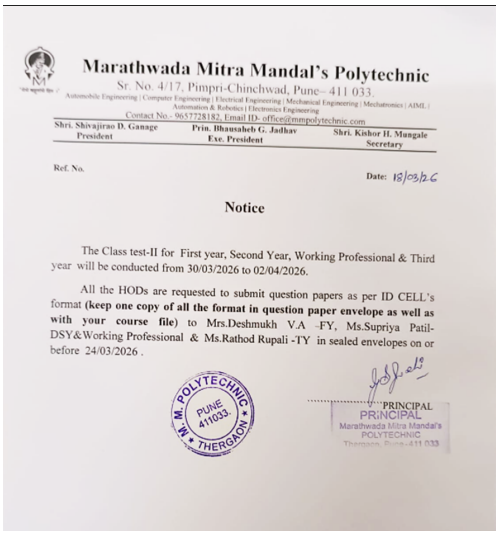
The Examination Department ensures that internal examinations are conducted on time. One week before the scheduled tests, the department issues a circular (Fig. 2.16) to all course coordinators specifying the deadlines for question paper submission and the timetable for the respective examinations (Fig. 2.17).

Once the draft question paper is prepared, the next step is moderation, which ensures transparency and academic integrity. The formal moderation order (Fig. 2.18) is issued, and the Course Coordinator submits the draft question paper (Fig. 2.19) to the moderator for review. The moderator examines the Question Paper Profile, which includes unit-wise weightage, question distribution aligned with Course Outcomes (COs), and marks allocation according to cognitive levels—Remember (L1), Understand (L2), and Apply (L3). The moderator also verifies that the paper is framed in accordance with Bloom's Taxonomy, ensuring proper cognitive alignment and balanced assessment.

Evaluation of the question paper is carried out using a predefined questionnaire(Fig. 2.20). Each parameter is graded on a three-point scale—Average (1 mark), Good (2 marks), and Excellent (3 marks)—and an evaluation score is calculated. If the score is below 80%, the paper is returned for revision with remarks and suggestions. The process continues until full compliance is achieved and the evaluation score exceeds 80%.

After successful moderation, the revised question paper is submitted to the HOD for final verification. The HOD ensures that the paper aligns with academic standards and adheres to institutional and regulatory guidelines. Only after HOD approval is the question paper finalized for examination use (Fig. 2.21)).

This systematic process ensures fairness, quality, and consistency in internal assessments, maintaining the academic rigor expected under the Outcome-Based Education (OBE) system.



Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune– 411 033.
Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics | AIML | Automation & Robotics | Electronics Engineering
Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage, President | Prin. Bhausaheb G. Jadhav, Exe. President | Shri. Kishor H. Mungale, Secretary

Ref. No. Date: 18/03/26

Notice

The Class test-II for First year, Second Year, Working Professional & Third year will be conducted from 30/03/2026 to 02/04/2026.

All the HODs are requested to submit question papers as per ID CELL's format **(keep one copy of all the format in question paper envelope as well as with your course file)** to Mrs.Deshmukh V.A -FY, Ms.Supriya Patil-DSY&Working Professional & Ms.Rathod Rupali -TY in sealed envelopes on or before 24/03/2026 .

M.M. POLYTECHNIC PUNE 411033. THERGAON

PRINCIPAL
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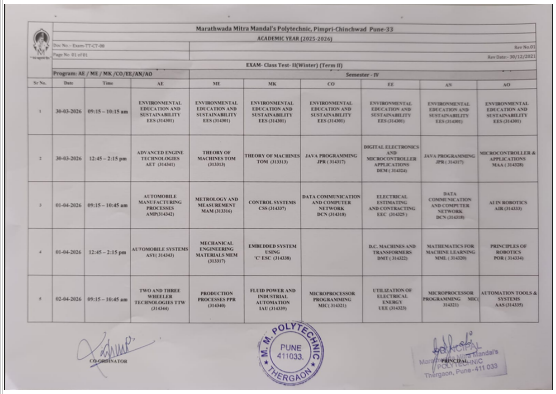
Marathwada Mitra Mandal's POLYTECHNIC
Thergaon, Pune-411 033

Fig. 2.16 Notice for question Paper

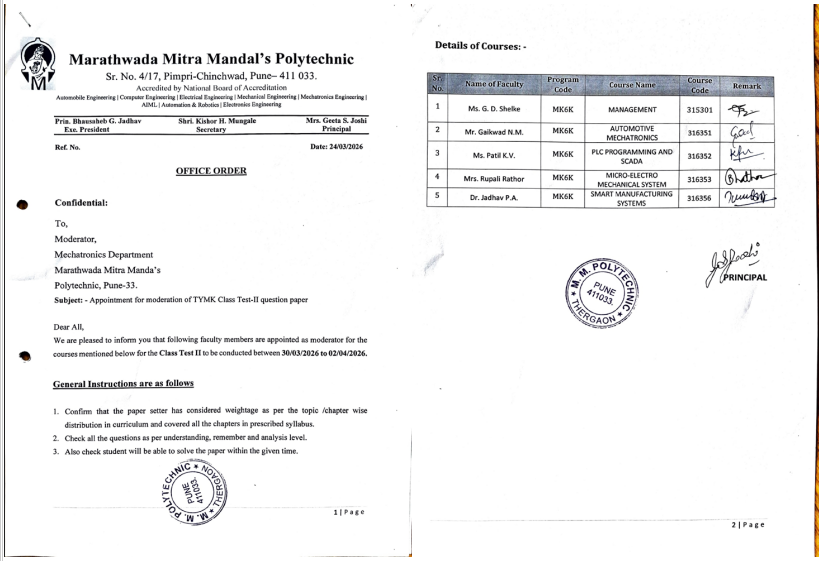


Marathwada Mitra Mandal's Polytechnic, Pimpri-Chinchwad Pune-33
ACADEMIC YEAR (2025-2026)
EXAM- Class Test- II(Winter) (Term II)
Programs: AE / ME / MK /CO/EE/AN/AD — Semester - IV

Sr No.	Date	Time	AE	ME	MK	CO	EE	AN	AO
1	30-03-2026	09:15 – 10:15 am	ENVIRONMENTAL EDUCATION AND SUSTAINABILITY EES (314301)	ENVIRONMENTAL EDUCATION AND SUSTAINABILITY EES (314301)	ENVIRONMENTAL EDUCATION AND SUSTAINABILITY EES (314301)	ENVIRONMENTAL EDUCATION AND SUSTAINABILITY EES (314301)	ENVIRONMENTAL EDUCATION AND SUSTAINABILITY EES(314301)	ENVIRONMENTAL EDUCATION AND SUSTAINABILITY EES (314301)	ENVIRONMENTAL EDUCATION AND SUSTAINABILITY EES (314301)
2	30-03-2026	12:45 – 2:15 pm	ADVANCED ENGINE TECHNOLOGIES AET (314341)	THEORY OF MACHINES TOM (313313)	THEORY OF MACHINES TOM (313313)	JAVA PROGRAMMING JPR (314317)	DIGITAL ELECTRONICS AND MICROCONTROLLER APPLICATIONS DEMA (314324)	JAVA PROGRAMMING JPR (314317)	MICROCONTROLLER & APPLICATIONS MAA (314320)
3	01-04-2026	09:15 – 10:45 am	AUTOMOBILE MANUFACTURING PROCESSES AMP(314342)	METROLOGY AND MEASUREMENT MAM (313316)	CONTROL SYSTEMS CSS (314327)	DATA COMMUNICATION AND COMPUTER NETWORK DCN (314318)	ELECTRICAL ESTIMATING AND CONTRACTING EEC (314325)	DATA COMMUNICATION AND COMPUTER NETWORK DCN (314318)	AI IN ROBOTICS AIR (314333)
4	01-04-2026	12:45 – 2:15 pm	AUTOMOBILE SYSTEMS ASY(314343)	MECHANICAL ENGINEERING MATERIALS MEM (313317)	EMBEDDED SYSTEM USING 'C' ESC (314338)		B.C. MACHINES AND TRANSFORMERS BMT (314322)	MATHEMATICS FOR MACHINE LEARNING MML (314330)	PRINCIPLES OF ROBOTICS POR (314334)
5	02-04-2026	09:15 – 10:45 am	TWO AND THREE WHEELER TECHNOLOGIES TTW (314344)	PRODUCTION PROCESSES PPR (314349)	FLUID POWER AND INDUSTRIAL AUTOMATION IAU (314339)	MICROPROCESSOR PROGRAMMING MPC(314321)	UTILIZATION OF ELECTRICAL ENERGY UEE (314323)	MICROPROCESSOR PROGRAMMING MPC(314321)	AUTOMATION TOOLS & SYSTEMS AAS (314335)

COORDINATOR — M.M. POLYTECHNIC PUNE 411033. THERGAON — PRINCIPAL

Fig. 2.17 Class Test Time table



Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune– 411 033.
Accredited by National Board of Accreditation
Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics Engineering | AIML | Automation & Robotics | Electronics Engineering

Prin. Bhausaheb G. Jadhav, Exe. President | Shri. Kishor H. Mungale, Secretary | Mrs. Geeta S. Joshi, Principal

Ref. No. Date: 24/03/2026

OFFICE ORDER

Confidential:

To,
Moderator,
Mechatronics Department
Marathwada Mitra Manda's
Polytechnic, Pune-33.

Subject: - Appointment for moderation of TYMK Class Test-II question paper

Dear All,
We are pleased to inform you that following faculty members are appointed as moderator for the courses mentioned below for the **Class Test II** to be conducted between **30/03/2026 to 02/04/2026.**

General Instructions are as follows

1. Confirm that the paper setter has considered weightage as per the topic /chapter wise distribution in curriculum and covered all the chapters in prescribed syllabus.
2. Check all the questions as per understanding, remember and analysis level.
3. Also check student will be able to solve the paper within the given time.

M.M. POLYTECHNIC PUNE 411033. THERGAON

1 | Page

Details of Courses: -

Sr. No.	Name of Faculty	Program Code	Course Name	Course Code	Remark
1	Ms. G. D. Shelke	MK6K	MANAGEMENT	315301	
2	Mr. Gaikwad N.M.	MK6K	AUTOMOTIVE MECHATRONICS	316351	
3	Ms. Patil K.V.	MK6K	PLC PROGRAMMING AND SCADA	316352	
4	Mrs. Rupali Rathor	MK6K	MICRO-ELECTRO MECHANICAL SYSTEM	316353	
5	Dr. Jadhav P.A.	MK6K	SMART MANUFACTURING SYSTEMS	316356	

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2 | Page

Fig: 2.18 Moderation Order

MARATHWADA MITRAMANDAL'S POLYTECHNIC,
THERGAON, PUNE-33
Academic Year 2025-2026

QUESTION PAPER PROFILE (CT-II)

Program Name: **Mechatronics Engineering** Program Code: **MK**
Semester: **VI**
Course: **Micro Electro mechanical system** Date: **- 01/04/2026**
Marks: **30** Duration: 1 ½**hour**

Unit No.	Syllabus Marks	Class test Weightage	Class test Weightage X1.5	Q1	Q2	Total
3	08	6.66	08	4	4	08
4	18	15	22	6	16	22
5	10	8.82	12	4	8	12
Total	**36**	**30**	**42**	**14**	**28**	**42**

CRITERIAWISE MARK DISTRIBUTION

Unit NO.	Class Test weightage X 1.5	Remember	Understand	Apply & above	Total
		19%	62%	19%	
		12	18	12	
3	08	2	2	4	08
4	22	6	12	4	22
5	12	4	4	4	12
Total	42	12	18	12	42

Course Co-Ordinator HOD

M. M. POLYTECHNIC PUNE 411033. THERGAON

MARATHWADA MITRA MANDAL'S POLYTECHNIC,
THERGAON, PUNE-33
Academic Year 2025-2026
Course Outcomes (CT-II)

Program Name: **Mechatronics Engineering** Program Code: **MK**
Semester: **VI** Date: **-01/04/2026**
Course: **Micro Electro mechanical system** Course Code: **-316353**
Marks: **30** Duration: - 1 ½**hour**
The student will be able to:

CO No.	Course Outcome
MKK604.1	Identify the types of materials and components and packing processes.
MKK604.2	Specify the mechanical and electrical properties and principles implied in the given MEMS.
MKK604.3	Explain standard microfabrication processes.
MKK604.4	Measure physical quantity using relevant microsensors and microactuators.
MKK604.5	Prepare a report on the use of MEMS for a given industrial application.

Question No.	Sub-Question	Unit/Topic	Marks	Level	COs
1	a	III	2	L1	MKK604.3
	b	IV	2	L1	MKK604.4
	c	V	2	L2	MKK604.5
	d	III	2	L2	MKK604.3
	e	IV	2	L1	MKK604.4
	f	V	2	L2	MKK604.5
	g	IV	2	L1	MKK604.4
2	a	IV	4	L2	MKK604.4
	b	III	4	L3	MKK604.3
	c	V	4	L2	MKK604.5
	d	IV	4	L3	MKK604.4
	e	IV	4	L2	MKK604.4
	f	V	4	L3	MKK604.5
	G	IV	4	L2	MKK604.4

CO's	MKK604.1	MKK604.2	MKK604.3	MKK604.4	MKK604.5
			08	22	12

Course Co-Ordinator HOD

M. M. POLYTECHNIC PUNE 411033. THERGAON

Fig. 2.19 Question Paper Profile

MARATHWADA MITRA MANDAL'S POLYTECHNIC,
THERGAON, PUNE-33
CLASS TEST FORMAT

Doc. No.: EXAM-Evaluation -02 Rev. No.: 01
PAGE 1 of 1 Rev. Dt: 18/12/2020

CLASS TEST PAPER EVALUATION SHEET

Program Name: Mechatronics Program Code: MK
Semester: 6th Course: MMS Course Code: 316353

Sr. No.	Attribute	Question	Expert's Evaluation 1 Average	2 Good	3 Excellent
1	Outcome Based	Are all the questions based on an outcome based curriculum (Blooms mention)?		2	
2	Instructions	Does the question specify a particular task through the instructions?		2	
3	Scope	Does the question indicate the limit and the scope of the answer (length of the answer) in accordance with the estimated time and mark allotted to it?			3
4	Content	Does the question cover the required curriculum?			3
5	Form of Question	Is the form of question sufficient for testing the abilities in student?			3
6	Language	Is the framed question Clear, Precise and Unambiguous, well within the comprehension of the students?			3
7	Difficulty Level	Is the question framed keeping in view the level the students for whom it is meant?		2	
8	Discriminating Power	Does the question discriminate between bright students and others?		2	
		Total		20	

Note: 1. If the evaluation is less than 60% then the quality of the paper is not acceptable, he/she revise the paper and reevaluate.
2. If evaluation is between 65%-80% then revise the paper according to expert remarks and show it to head of Department.
3. If evaluation is above 80% then quality of the paper is acceptable but act upon expert remarks if any.
4. This evaluation sheet is not applicable to multiple choice question paper.

Expert Remark (If any):
Paper is OK

Signature:
Expert Name: Rupali Rathod

M. M. POLYTECHNIC PUNE 411033. THERGAON

Fig. 2.20 Class Test Question Paper Evaluation Sheet

Roll No.

Course code: **316353**

MARATHWADA MITRAMANDAL'S POLYTECHNIC,
THERGAON, PUNE-33
Academic Year 2025-2026

Class Test-II

Program Name: **Mechatronics Engineering** Program Code: **MK**
Semester: **VI**
Course : **Micro Electro mechanical system** Date: **-01/04/2026**
Marks: **30** Duration: 1 ½ **hour**

Instructions:

1. All questions are compulsory.
2. Illustrate your answers with neat sketches wienever necessary
3. Figures to the right indicates full marks.
4. Assume suitable data if necessary

Q. 1) Attempt any FIVE of the following **10 Marks**

a. Name two thin film deposition techniques.(CO3)
b. Define piezoresistivity and piezoelectric effect (CO4)
c. What is the role of MEMS in navigation systems? (CO5)
d. Give example of a device fabricated using bulk micromachining. (CO3)
e. Name two piezoelectric materials commonly used in MEMS. (CO4)
f. State two consumer product applications of MEMS. (CO5)
g. State one application of shape memory alloys in MEMS.(CO4)

Q. 2) Attempt any FIVE of the following. **20 Marks**

a. Explain the thermal bimorph principle with neat sketch and applications.(CO4)
b. Differentiate between CVD and PVD thin film deposition.(CO3)
c. Explain the role of MEMS accelerometers in automobile airbag deployment.(CO5)
d. Describe the working of shape memory alloys (SMA) in MEMS actuation with examples.(CO4)
e. Discuss the applications of micromotors and micropumps in MEMS.(CO4)
f. Describe MEMS applications in washing machines and printers. (CO5)
g. Define electrostatic sensor and explain the principle of parallel plate capacitor.(CO4)

.....**Best of Luck**.....

M. M. POLYTECHNIC PUNE 411033. THERGAON

Fig. 2.21 Example Class Test II Question Paper of Industrial Measurement

B. Question paper setting taking into account outcomes/learning levels (5)	Institute Marks
	5.00

In accordance with the academic quality assurance framework of the Maharashtra State Board of Technical Education (MSBTE), the institution has established a structured process to ensure that all questions of class test question paper are rigorously mapped to Course Outcomes (COs), while adhering to Bloom's Taxonomy.

Course Outcomes and Assessment Structure

- As per MSBTE guidelines, each semester includes two class tests and summative assessment theory exam.
- Class tests are conducted in alignment with the examination scheme of the program, ensuring uniformity across subjects.
- Questions in class tests are explicitly mapped to COs , with Bloom's Taxonomy applied to determine the cognitive level (knowledge, comprehension, application etc.).
- Class tests are administered by an Exam department, ensuring impartiality and compliance with institutional norms.

MARATHAWADA MITRA MANDAL'S POLYTECHNIC,
THERGAON, PUNE-33
Academic Year 2025-2026
Course Outcomes (CT-II)

Program Name: **Mechatronics Engineering** Program Code: **MK**
Semester: **VI** Date: **-01/04/2026**
Course: **Micro Electro mechanical system** Course Code: **-316353**
Marks: **30** Duration: - 1 ½**hour**
The student will be able to:

CO No.	Course Outcome
MKK604.1	Identify the types of materials and components and packing processes.
MKK604.2	Specify the mechanical and electrical properties and principles implied in the given MEMS.
MKK604.3	Explain standard microfabrication processes.
MKK604.4	Measure physical quantity using relevant microsensors and microactuators.
MKK604.5	Prepare a report on the use of MEMS for a given industrial application.

Question No.	Sub-Question	Unit/Topic	Marks	Level	COs
1	a	III	2	L1	MKK604.3
	b	IV	2	L1	MKK604.4
	c	V	2	L2	MKK604.5
	d	III	2	L2	MKK604.3
	e	IV	2	L1	MKK604.4
	f	V	2	L2	MKK604.5
	g	IV	2	L1	MKK604.4
2	a	IV	4	L2	MKK604.4
	b	III	4	L3	MKK604.3
	c	V	4	L2	MKK604.5
	d	IV	4	L3	MKK604.4
	e	IV	4	L2	MKK604.4
	f	V	4	L3	MKK604.5
	G	IV	4	L2	MKK604.4

CO's	MKK604.1	MKK604.2	MKK604.3	MKK604.4	MKK604.5
			08	22	12

Course Co-Ordinator HOD

M. M. POLYTECHNIC PUNE 411033. THERGAON

Fig 2.22. Class Test QP of Industrial Measurements - Course Outcome and Levels

C. COs coverage in class test / mid-term tests and assignments (5) Institute Marks: 5.00

COs coverage in class test / Unit tests / Assignments:

- Individual student's Class test / Units Test answer book and assignments are evaluated and question answered by student is mapped with COs and POs.
- At the end of each unit, an assignment questions will be given to students, and student has to write it & submit within a week and each question is mapped with COs .So the students will be able to understand course outcome of particular subject.

Table 2.8 COs coverage in class test / Unit tests / Assignments

Subject: Industrial Measurements (313319) Semester: III

Assessment tool	CO1	CO2	CO3	CO4	CO5
Class Test I	✓	✓	✓		
Class Test II			✓	✓	✓
Unit Test	✓	✓	✓	✓	✓
Assignment 1	✓				
Assignment 2		✓			
Assignment 3			✓		
Assignment 4				✓	
Assignment 5					✓

Roll No. Course code: 316353

MARATHAWADA MITRAMANDAL'S POLYTECHNIC,
THERGAON, PUNE-33
Academic Year 2025-2026
Class Test-II

Program Name: **Mechatronics Engineering** Program Code: **MK**
Semester: **VI**
Course **: Micro Electro mechanical system** Date: **-01/04/2026**
Marks: **30** Duration: 1 ½ **hour**

Instructions:

1. All questions are compulsory.
2. Illustrate your answers with neat sketches wherever necessary
3. Figures to the right indicates full marks.
4. Assume suitable data if necessary

Q. 1) Attempt any FIVE of the following **10 Marks**

a. Name two thin film deposition techniques.(CO3)
b. Define piezoresistivity and piezoelectric effect (CO4)
c. What is the role of MEMS in navigation systems? (CO5)
d. Give example of a device fabricated using bulk micromachining. (CO3)
e. Name two piezoelectric materials commonly used in MEMS. (CO4)
f. State two consumer product applications of MEMS. (CO5)
g. State one application of shape memory alloys in MEMS.(CO4)

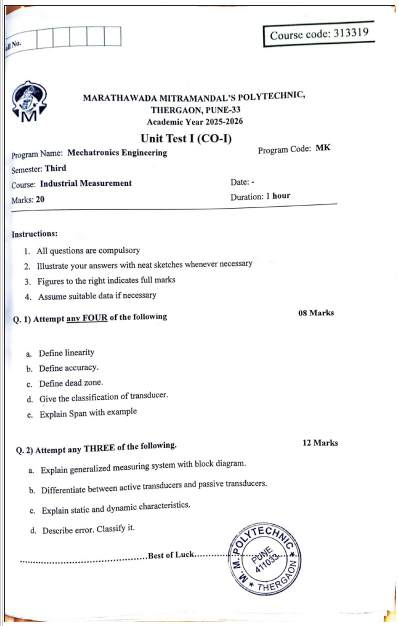
Q. 2) Attempt any FIVE of the following. **20 Marks**

a. Explain the thermal bimorph principle with neat sketch and applications.(CO4)
b. Differentiate between CVD and PVD thin film deposition.(CO3).
c. Explain the role of MEMS accelerometers in automobile airbag deployment.(CO5)
d. Describe the working of shape memory alloys (SMA) in MEMS actuation with examples.(CO4)
e. Discuss the applications of micromotors and micropumps in MEMS.(CO4)
f. Describe MEMS applications in washing machines and printers. (CO5)
g. Define electrostatic sensor and explain the principle of parallel plate capacitor.(CO4)

.....**Best of Luck**.....

M. M. POLYTECHNIC PUNE 411033. THERGAON

Fig. 2.23 Class Test Question Paper Mapped with COs:



Course code: 313319

MARATHAWADA MITRAMANDAL'S POLYTECHNIC,
THERGAON, PUNE-33
Academic Year 2025-2026

Unit Test I (CO-I)

Program Name: **Mechatronics Engineering** Program Code: **MK**
Semester: **Third**
Course: **Industrial Measurement** Date: -
Marks: **20** Duration: 1 **hour**

Instructions:

1. All questions are compulsory
2. Illustrate your answers with neat sketches whenever necessary
3. Figures to the right indicates full marks
4. Assume suitable data if necessary

Q. 1) Attempt any FOUR of the following **08 Marks**

a. Define linearity
b. Define accuracy.
c. Define dead zone.
d. Give the classification of transducer.
e. Explain Span with example

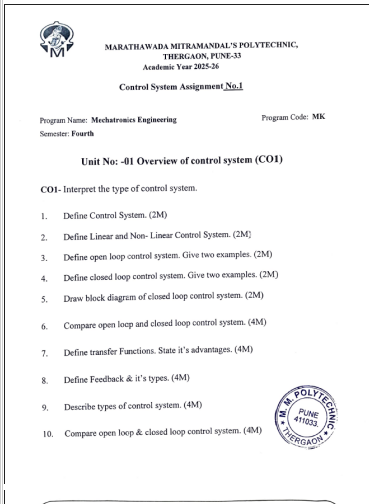
Q. 2) Attempt any THREE of the following. **12 Marks**

a. Explain generalized measuring system with block diagram.
b. Differentiate between active transducers and passive transducers.
c. Explain static and dynamic characteristics.
d. Describe error. Classify it.

.....Best of Luck.....

M. M. POLYTECHNIC PUNE 411033 THERGAON

Fig. 2.24 Unit Test Question Paper Mapped with COs:



MARATHAWADA MITRAMANDAL'S POLYTECHNIC,
THERGAON, PUNE-33
Academic Year 2025-26

Control System Assignment No.1

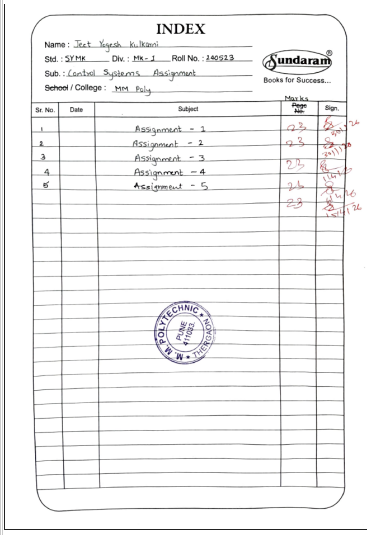
Program Name: **Mechatronics Engineering** Program Code: **MK**
Semester: **Fourth**

Unit No: -01 Overview of control system (CO1)

CO1- Interpret the type of control system.

1. Define Control System. (2M)
2. Define Linear and Non- Linear Control System. (2M)
3. Define open loop control system. Give two examples. (2M)
4. Define closed loop control system. Give two examples. (2M)
5. Draw block diagram of closed loop control system. (2M)
6. Compare open loop and closed loop control system. (4M)
7. Define transfer Functions. State it's advantages. (4M)
8. Define Feedback & it's types. (4M)
9. Describe types of control system. (4M)
10. Compare open loop & closed loop control system. (4M)

M. M. POLYTECHNIC PUNE 411033 THERGAON



INDEX

Name : Jeet Yogesh Kulkarni
Std. : SY MK Div. : MK - 1 Roll No. : 240523
Sub. : Control Systems Assignment
School / College : MM Poly

Sundaram Books for Success...

Sr. No.	Date	Subject	Max Ka Page No.	Sign.
1		Assignment - 1	23	
2		Assignment - 2	23	
3		Assignment - 3	23	
4		Assignment - 4	26	
5		Assignment - 5	23	

M. M. POLYTECHNIC PUNE 411033 THERGAON

Fig. 2.25 Assignments questions Mapped with COs

2.2.3 Quality of Experiments (15)	Institute Marks
	14.00

A. Experimental methodologies (5)	Institute Marks
	5.00

1. Laboratory Infrastructure

The Mechatronics Department is well equipped with modern laboratories, instruments, and teaching aids. Proper logbooks, stock registers, and maintenance records are maintained to ensure readiness, safety, and effective utilization of resources.

2. Planning and Implementation

A detailed practical plan is prepared for all prescribed experiments. These are systematically conducted by the Course Coordinator with support from laboratory assistants and attendants. All experiments are mapped with Course Outcomes (COs), Program Outcomes (POs), and Laboratory Learning Outcomes (LLOs) to ensure alignment with curriculum objectives.

3. Laboratory Manuals

Laboratory manuals are prepared as per MSBTE curriculum guidelines and serve as structured learning resources. Each manual includes the aim, procedure, observation tables, calculation steps, graphs, results, and conclusion. Post-experiment questions are incorporated to strengthen student reflection and conceptual understanding.

4. Student-Centric Approach

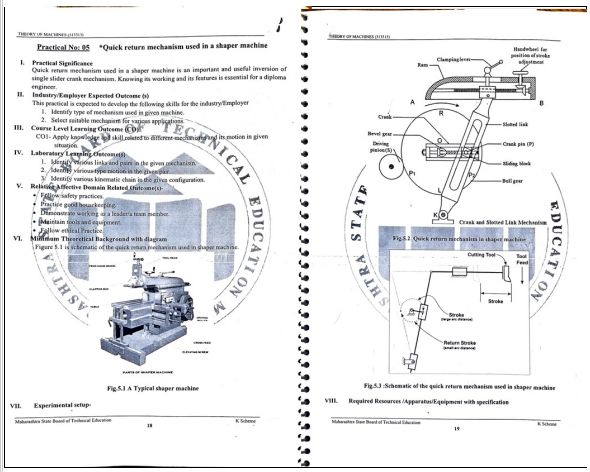
Students are encouraged to perform experiments independently or in small groups, ensuring active participation and hands-on skill development. They are motivated to ask questions, raise doubts, and clarify concepts. Special worksheets and industry-developed laboratories are also utilized to provide additional exposure and strengthen practical learning.

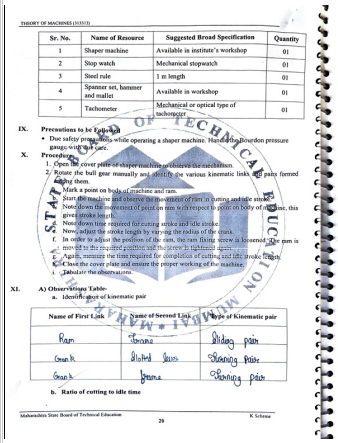
5. Safety and Discipline

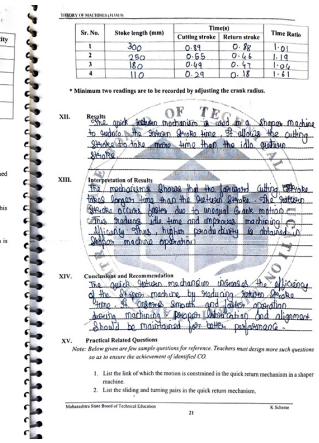
Before conducting experiments, safety instructions, laboratory discipline, and proper handling of instruments are explained. Emphasis is placed on security aspects of equipment and adherence to safety protocols, ensuring a safe and disciplined laboratory environment.

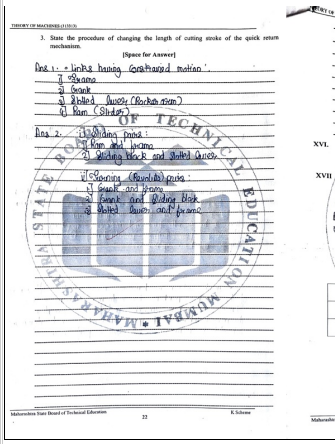
6. Evaluation and Assessment

Continuous assessment is implemented for laboratory work through performance indicators, viva-voce, manual checking, and worksheet evaluation. This system ensures process-oriented learning, effective monitoring of student progress, and achievement of intended outcomes.









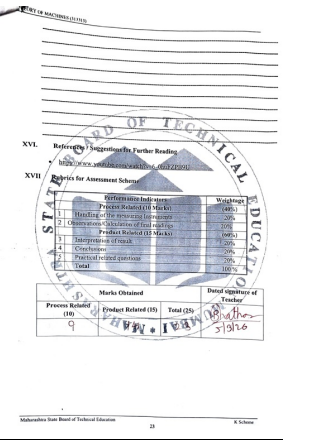


Fig.2.26 Sample Lab Manual Experiment Contents

B. Innovative experiments including industry attached practices, virtual labs (5)

Institute Marks: 4.00

The Mechatronics Department promotes innovation by conducting experiments through

I. Industry-supported labs, industrial visits, expert guidance, in-house labs with advanced equipment, internships, and virtual labs. Students gain practical skills in machining, automation, robotics, EV systems, and additive manufacturing using facilities such as the Centre of Excellence in Manufacturing, Volkswagen Centre of Excellence (VGTAP), and PLC-based hydraulic/pneumatic kits. (Table)

Table 6.8 Sample details of Innovative approaches for conducting experiments

Sr. No	Title of Innovative Experiment	Facility Used	Innovation Added	Relevance to PO/PSO
1	PLC Programming – Automatic Bottle Filling Plant	PLC Lab	Integration of PLC with sensors and actuators for industrial automation	PO1, PO2, PSO1
2	Object Sorting – Metal/Non-Metal & Colour-Based	PLC Lab, Industrial Visit	Automated sorting using proximity and colour sensors	PO1, PO3
3	Hydraulic & Pneumatic Circuits	Automation Lab	Integration of hydraulic and pneumatic kits with PLC for automation applications	PO2, PSO1
4	Chess Playing by Robot	Industry-Supported Robotics Lab	Programming and control of robotic manipulator for game simulation	PO3, PO5
5	Integration of Robot with PLC	Industrial Visit	Linking robotic systems with PLC for synchronized automation	PO1, PO2, PSO1
6	Study of Automotive Sensors	VGTAP Lab – Industry-Supported Facility	Hands-on study of working models with electrical diagrams of automotive	PO2, PO7, PSO2

			sensors	
7	Interfacing of Sensors with Arduino	IoT Workshop, IoT Lab, Industrial Visit	IoT-based sensor interfacing and data acquisition using Arduino	PO5, PSO1
8	Rapid Prototyping of components required for students project	3 D Printer	Additive manufacturing of project components using rapid prototyping techniques	PO1, PO5, PSO1
9	Reverse Engineering of Component under Study	3 D Scanner	Digital scanning and modeling of components for redesign and analysis	PO1, PO2, PSO2

2. **Virtual labs** extend experimentation beyond physical constraints. These practices ensure students are industry-ready, innovative, and aligned with program outcomes (POs) and program-specific outcomes (PSOs).

Philosophy of Virtual Labs

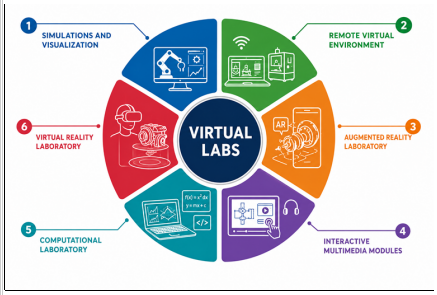


Fig. 2.27 Philosophy of Virtual Labs

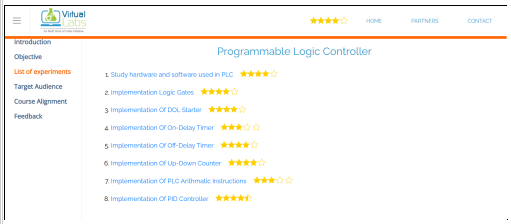


Fig. 2.28 Example List of Experiments on vlab

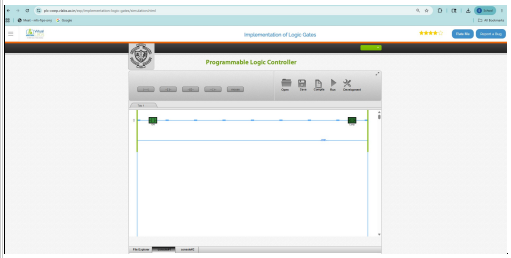


Fig. 2.29 Conduction of experiment on vlab

C. Relevance to outcomes (5)	Institute Marks
	5.00

- The experiments enables application of theoretical concepts learned in the course
- Experiments are designed to achieve defined learning outcomes
- Each experiment is mapped to specific course outcome (COs)
- Experiments are designed to achieve defined learning outcomes
- The outcomes of the experiment are measurable and assessable through observations, calculations, or performance
- The result obtained should be assessed continuously through structured assessment and contribute to CO attainment calculation

Practical- Course Outcome matrix

Course: Industrial Measurement (313319) Semester : III

List of CO:

CO1 - Apply various performance characteristics of measuring instruments.

CO2 - Select relevant mechanical transducers for measuring required parameters.

CO3 - Choose suitable transducers for measuring pressure and temperature.

CO4 - Select relevant transducers for level and flow measurement.

CO5 - Use suitable signal conditioning and data acquisition system.

Following table shows list of experiment and its relevance to COs & LLOs

VI. LABORATORY LEARNING OUTCOME AND ALIGNED PRACTICAL / TUTORIAL EXPERIENCES.

Practical / Tutorial / Laboratory Learning Outcome (LLO)	Sr No	Laboratory Experiment / Practical Titles / Tutorial Titles	Number of hrs.	Relevant COs
LLO 1.1 Identify types of error in measurement. LLO 1.2 Apply procedure to find error in measurement.	1	Error measurement in a given instrument.	2	CO1
LLO 2.1 Prepare experimental set-up for displacement measurement. LLO 2.2 Use LVDT to measure displacement.. LLO 2.3 Draw LVDT input-output characteristics.	2	*Linear displacement measurement using LVDT.	2	CO1 CO2
LLO 3.1 Prepare experimental set-up for weight measurement. LLO 3.2 Use strain gauge load cell to measure weight. LLO 3.3 Draw strain gauge load cell input-output characteristics.	3	*Weight measurement using strain gauge load cell.	2	CO1 CO2
LLO 4.1 Measure pressure using bourdon tube pressure gauge.. LLO 4.2 Draw input-output characteristics of bourdon tube pressure gauge.	4	*Pressure measurement using bourdon tube.	2	CO1 CO3
LLO 5.1 Measure temperature using RTD. LLO 5.2 Draw RTD input-output characteristics.	5	Temperature measurement using RTD.	2	CO1 CO3

MSBTE Approval Dt. 02/07/2024 **Semester - 3, K Scheme**

Page 4/8

Fig. 2.30 Sample Practical / Tutorial / Laboratory Learning Outcome (LLO)

2.2.4 Quality of Students Projects and Report Writing (35)	Institute Marks
	32.00

A. Identification of projects and allocation methodology (3)	Institute Marks
	3.00

Introduction

Every final year student undertakes projects which is divided in two parts: 1. Capstone project planning (CPP) 2. Capstone Project execution and report writing. Students work in groups consisting of a minimum of 3 and maximum of 4 members. Project topics are identified based on emerging trends in engineering/technology and industry expected outcomes of the programme. Emphasis is given to application-oriented and problem-solving projects related to industry and societal needs rather than purely theoretical concepts.

A. Identification of Projects

1. Basis of Identification

Projects are identified considering real-world problems, industry needs, and societal challenges. This ensures relevance, practical application, and contribution to community and industry development.

2. Sources of Inputs

Inputs for project identification are taken from industry experts, internships, faculty suggestions, student innovative ideas, and gaps observed in previous year projects. These diverse sources strengthen the quality and applicability of projects.

3. Problem Identification Process

Problem identification is carried out through brainstorming sessions, field visits, surveys, and discussions. Students are encouraged to critically analyze issues and propose innovative solutions.

4. Literature Survey

A comprehensive literature survey is conducted using research journals, e-resources, technical papers, and previous project reports. This helps students understand existing work, identify research gaps, and design projects with originality.

5. Emphasis Areas

Special emphasis is given to application-based learning, interdisciplinary approach, innovation, and creativity. Projects are designed to enhance problem-solving skills and foster outcome-based education.

6. Shortlisting Criteria

Projects are shortlisted based on technical feasibility, availability of resources, time constraints, and cost effectiveness. Preference is given to industry-linked projects, socially relevant projects, and skill-oriented outcome-based projects.

B. Final Year Project Allocation Methodology

1. Student Grouping

Students are grouped based on their area of interest, academic performance, skill set, and specialization. This ensures that each group has a balanced mix of capabilities and is well prepared to undertake meaningful projects.

2. Project Selection Process

Students are allowed to propose their own project ideas or select topics from a suggested list. Each group submits a synopsis covering objectives, scope, methodology, and expected outcomes. The synopsis is presented before the Project Committee, which evaluates feasibility, student capability, and resource availability. Based on evaluation, the committee may approve the topic, suggest modifications, or recommend a new topic.

3. Faculty Guide Allocation

Each project group is assigned a faculty guide, with allocation done to maintain a balanced distribution of students among guides and to provide equal opportunity for all. Faculty guidance ensures proper mentoring and monitoring throughout the project duration.

4. Industry Collaboration

Wherever possible, industry-sponsored projects are encouraged to strengthen industry–academia linkage. Such projects provide students with exposure to real-world problems and enhance employability skills.

5. Approval and Documentation

Project allocation is finalized by the Project Coordinator and Head of Department. The finalized list is approved by the Head of Department and communicated to guides and students. Proper documentation is maintained for project title, student group details, and guide allocation, ensuring transparency and accountability.

6. Monitoring and Evaluation

Continuous monitoring is ensured through regular project reviews, progress presentations, and periodic interactions with project guides. Evaluation is based on performance indicators, feasibility of implementation, and achievement of intended outcomes. This systematic approach ensures quality, relevance, and effective completion of projects.

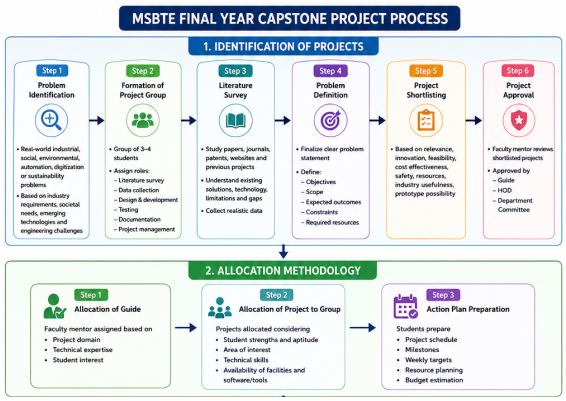
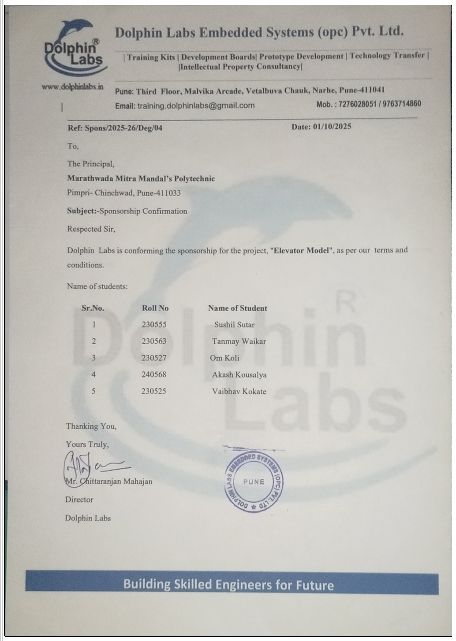


Fig 2.31. Identification of projects and allocation methodology



Dolphin Labs Embedded Systems (opc) Pvt. Ltd.

| Training Kits | Development Boards| Prototype Development | Technology Transfer | |Intellectual Property Consultancy|

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Pune: Third Floor, Malvika Arcade, Vetalbuva Chauk, Narhe, Pune-411041

Email: training.dolphinlabs@gmail.com Mob. : 7276028051 / 9763714860

Ref: Spons/2025-26/Deg/04 Date: 01/10/2025

To,

The Principal,

Marathwada Mitra Mandal's Polytechnic

Pimpri- Chinchwad, Pune-411033

Subject:-Sponsorship Confirmation

Respected Sir,

Dolphin Labs is conforming the sponsorship for the project, "**Elevator Model**", as per our terms and conditions.

Name of students:

Sr.No.	Roll No	Name of Student
1	230555	Sushil Sutar
2	230563	Tanmay Waikar
3	230527	Om Koli
4	240568	Akash Kousalya
5	230525	Vaibhav Kokate

Thanking You,

Yours Truly,

Mr. Chittaranjan Mahajan

Director

Dolphin Labs

PUNE

Building Skilled Engineers for Future

Fig. 2.32 Industry Sponsorship letter for Project

B. Types and relevance of the projects and their contribution towards attainment of POs and PSOs (5)	Institute Marks
	4.00

The program includes a variety of projects designed to enhance both the theoretical and practical skills.

Types of Projects:

The following are the types of projects:

1. Application-Based Projects

These projects focus on applying theoretical knowledge to solve practical problems. Students develop systems, devices, or automation solutions that can be used in real-life applications. The main objective is to enhance problem-solving skills and technical understanding.

2. Industry Sponsored Projects

These projects are provided or supported by industries to solve actual industrial problems or improve existing processes. Students work on industry requirements, gaining exposure to real industrial environments, standards, and technologies.

3. Working Model Projects

In these projects, students design and develop a functional prototype or physical model demonstrating the actual working of a concept or system. Emphasis is given to implementation, operation, and demonstration.

Relevance of the Projects

The above project types are relevant because they:

- Provide a balance of practical exposure (industry-based) and conceptual understanding (study-based)
- Strengthen application skills (application-based projects) t
- Promote analytical thinking, innovation, and problem-solving ability
- Develop communication, teamwork, and documentation skills

Table. 6.9 Title of the project and the level of attainment of POs and PSOs.

CAY2025-26:

Sr. No	Title of the Project	Nature of Project	Group Size	Name of guide	Relevance to POs and PSOs								
					PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2
1	Automatic Stamping Machine using Arduino	Industry Sponsored	4	Ms. Bhosale S.S.	3	2	3	3	2	2	2	3	3
2	Automated Object Sorting Conveyor Belt System	Industry Sponsored	4	Mrs. Patil K.V.	3	3	3	3	2	2	2	3	3
3	Footstep Power Generation	Working model	3	Dr. Jadhav P.A.	3	2	2	2	3	3	3	2	2
4	Automatic Welding Mechanism	Application Based	4	Mrs. Rathor R.	3	3	3	3	2	2	2	3	3
5	Automatic Soil Irrigation and Soil Monitoring System.	Application Based	4	Mrs. Patil K.V.	3	2	3	3	2	3	2	2	3
6	Automatic Solar Tracking System	Working model	5	Mr. Gaikwad N.M.	3	2	3	3	2	3	2	2	3
7	RC Cleaner	Application Based	4	Dr. Jadhav P.A.	3	2	2	3	2	2	2	3	2
8	Automatic Wire Cutter	Working model	4	Ms. Shelke G.D	3	2	3	3	2	2	2	3	2
9	Mobile Bluetooth controlled wheelchair	Application Based	4	Mr. Gaikwad N.M.	3	3	3	3	2	3	2	3	3
10	Electricity From Waste	Working model	4	Ms. Shelke G.D	3	3	2	2	3	3	3	2	2
11	Robotic Arm for Pick and Place Operation.	Working model	4	Mrs. Rathor R.	3	3	3	3	2	2	2	3	3
12	Voice Controlled Home Automation	Application Based	4	Mrs. Rathor R.	3	2	3	3	2	3	2	2	3
13	Elevator Model Works on Embedded System	Industry Sponsored	5	Ms. Bhosale S.S.	3	2	3	3	2	2	2	3	3
14	Smart Waste Segregation Bin	Application Based	3	Mr. Gaikwad N.M.	3	3	3	3	2	3	3	2	3
15	Semi-Active Exoskeleton Prototype	Application Based	1	Dr. Jadhav P.A.	3	3	3	3	2	3	3	3	3

CAYm1 2024-25:

Sr. No	Project Title	Nature of Project	Group Size	Name of Industry	Guide	Relevance to POs and PSOs							
						PO 1	PO2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2
1	Power factor Monitoring system	Industry Sponsored	1	10 Power Solutions	Mr. Jadhav P. A	3	2	3	3	2	3	2	2	3
2	Enhancing Productivity & Safety Through Digital Automation	Industry Sponsored	1	Adient India Pvt Ltd.	Mr. Jadhav P. A	3	3	3	3	2	3	3	3	3
3	Study on Electrical water Pump	Industry Sponsored	1	Advik Hi-Tech Pvt Ltd.	Mr. Jadhav P. A	3	2	3	3	2	2	2	3	3
4	A Study of Automated manufacturing of hydraulic lash adjuster	Industry Sponsored	3	Allied Resources Management Service India Pvt.Ltd.	Ms. Shelke G. D	3	3	3	3	2	2	2	3	3
5	Advancement in Automotive Servicing:A Technicians perspective at BU Bhandari Volkswagen	Industry Sponsored	3	B.U.Bhandari Auto Pvt.Ltd.	Mr. Gaikwad N. M	3	3	2	2	3	3	3	2	3
6	ODIS & CAN Communication System	Industry Sponsored	4	B.U.Bhandari Auto Pvt.Ltd.	Mr. Gaikwad N. M	3	3	3	3	2	2	2	3	3
7	Preventive Maintenance & Aftersales Operating Procedure	Industry Sponsored	3	B.U.Bhandari Auto Pvt.Ltd.	Mr. Gaikwad N. M	3	3	2	2	2	3	2	3	3
8	Assembly of PCD 450 & Experfold 145 Carton Packaging Machines	Industry Sponsored	2	BOBST INDIA PVT.LTD.	Ms. Rathor Rupali	3	3	3	3	2	2	2	3	3
9	Robotic Arc welding & PLC Control Panel	Industry Sponsored	1	Evergreen Automation and Robotic sales & Services.	Ms. Bhosale S. S	3	3	3	3	2	2	2	3	3
10	Completee Process of printed Circuit Board assembly	Industry Sponsored	1	Front Line Electronic Ltd.	Ms. Bhosale S. S	3	2	3	3	2	2	2	3	3
11	A Study of Fuel Dispencer and general Dispencer Maintenance in Field	Industry Sponsored	4	GILBARCO VEEDER - ROOT	Ms. Shelke G. D	3	3	2	2	2	3	2	3	3
12	Case study of Petrolium automation System	Industry Sponsored	2	GILBARCO VEEDER - ROOT	Ms. Shelke G. D	3	3	2	2	3	3	3	2	3
13	A Case study on Operational Analysis & Process Optimization inAutomation Services	Industry Sponsored	2	GILBARCO VEEDER - ROOT	Ms. Shelke G. D	3	3	3	3	2	3	3	2	3
14	A Study on working of Air Dust Supression Vehicle	Industry Sponsored	1	HI-TECH Services	Ms. Engale A. P	3	2	3	3	2	3	2	3	3
15	A Study on Variable Frequency Drive Panel(VFD)	Industry Sponsored	3	Logicon Technosolutions Pvt.Ltd.	Ms. Engale A. P	3	3	3	3	2	2	2	3	3
16	Optimising Customer Satisfaction in Automotive Service Center	Industry Sponsored	3	Mahindra & mahindras Service Station	Mrs. Patil K. V	3	3	2	2	3	3	3	2	3
17	Automated Fire Hydrant Tank water Level monitoring System	Industry Sponsored	3	RUCHA Enginnering Pvt.Ltd.	Ms. Rathor Rupali	3	2	3	3	2	3	2	2	3
18	Mobile Manipulator Robot Rover	Industry Sponsored	1	SAKAR rOBOTICS PVT.LTD.	Ms. Rathore Rupali	3	3	3	3	2	2	2	3	3
19	Break Padal assembly	Industry Sponsored	1	Samarth Udyog Pvt.Ltd.	Ms. Bhosale S. S	3	2	3	3	2	2	2	3	3
20	Automation & Control of Convryor Belt Using PLC	Industry Sponsored	3	SmartOpSolutions LLP	Mr. Jadhav P. A	3	3	3	3	2	2	2	3	3
21	Manufacturing Process of Gear Shaft lever knob(GSLK)	Industry Sponsored	1	SMS Enterprises	Mr. Jadhav P. A	3	2	3	3	2	2	2	3	3
22	I/O Status Monitoring system	Industry Sponsored	1	Softwell Automation industrial Control system & Services	Mr. Jadhav P. A	3	2	3	3	2	2	2	3	3
23	Stewart Platform for Drilling operation	Industry Sponsored	1	SVR Robotics Pvt.Ltd.	Ms. Shelke G. D	3	3	3	3	2	2	2	3	3
24	Built Break quality testing System for SAFARI AAND HARRIER Vehicles	Industry Sponsored	1	TATA Motors Passenger Vehicle Ltd.	Ms.Bhosale S. S	3	3	3	3	2	2	2	3	3
25	Manufacturing & assembly of Control panel & Automation System	Industry Sponsored	3	TEJAS ENTERPRISES	Mr. Gaikwad N. M	3	3	3	3	2	2	2	3	3

CAYm2 2023-24:

Sr. No	Project Title	Nature of Project	Group Size	Name Of Industry	Guide	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
1	Maintennce procedure & working of CNC press. Bending machine	Industry Sponsored	1	Fine Sheet Metal Works	Ms. Bhosale S. S	3	3	2	2	3	2	2	3	3
2	Rear view Camera Manufacturing.	Industry Sponsored	4	Fourfront Green Energy innovations Pvt. Ltd	Mr.Gaikwad N.M.	3	2	3	2	3	2	2	2	3
3	SPM Control panels & Components.	Industry Sponsored	1	Infinity Technology	Dr.Jadhav P.A.	3	3	3	2	3	2	2	3	3
4	Maintenance procedure,Design & Working of Fanuc R 2000 iRobot	Industry Sponsored	3	Maxion Wheels Pvt.Ltd.	Ms. Bhosale S. S	3	3	3	2	3	2	2	3	3
5	A Study on Automated machineries & general machine maintenance in car wheel plant	Industry Sponsored	2	Maxion Wheels Pvt. Ltd.	Mr.Gaikwad N.M.	3	3	2	2	3	3	2	3	3
6	Working of MSWIL	Industry Sponsored	1	Motherson Sumi Systems LTD.	Dr.Jadhav P.A.	3	2	2	2	3	2	2	2	3
7	Robotic Pick & Place Automation	Industry Sponsored	1	PN Automation & Solutions	Ms. Bhosale S. S	3	3	3	2	3	2	2	3	3
8	Mechanical & Electrical assembly of YCM supermax V-105 Series(A) VMC	Industry Sponsored	1	S.K. Engineering	Mr.Gaikwad N.M.	3	3	3	2	3	2	2	3	3
9	Manufacturing of Automotive HVAC Unit	Industry Sponsored	1	Subros Ltd.	Dr.Jadhav P.A.	3	2	3	2	3	2	3	2	3
10	Maintenance of Weld Shop	Industry Sponsored	1	Tata Motors Passenger Vehicle Ltd.	Ms. Bhosale S. S	3	3	2	2	3	2	2	3	3
11	A PLC based control panel for Hydraulic Moulding machine used for die casting operation	Industry Sponsored	1	The World Of Automation	Mr.Gaikwad N.M.	3	3	3	2	3	2	2	3	3
12	COBOT WELDING	Industry Sponsored	1	Thyssenkrupp Industries India Pvt. Ltd.	Dr.Jadhav P.A.	3	3	3	2	3	2	2	3	3

C. Process for monitoring and evaluation (5) | Institute Marks: 5.00

Monitoring of Projects:

- Process of monitoring and evaluation is solely based on MSBTE CIAAN norms
- The project diary is maintained by students to track the weekly progress of the project.
- The following points are considered for monitoring of projects.

Table. 6.9 Monitoring of Projects

Monitoring Aspect	Process/Activity	Purpose/Outcome

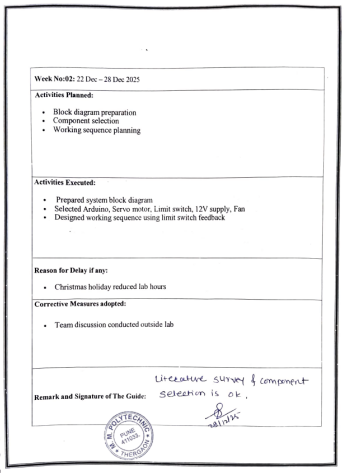
Project Planning & Scheduling	• Define objectives, scope, and timeline • Prepare project work completion plan	Ensures clarity of goals, structured execution, and timely completion of project
Project Guide Interaction	• Regular meetings with project guide • Discussion on progress and difficulties	Provides academic guidance, resolves challenges, and maintains project direction
Progress Tracking	• Monitor work completion as per plan • Maintain project diary with weekly updates	Facilitates continuous monitoring, documentation of progress, and corrective actions
Attendance & Participation	• Track individual student involvement • Ensure equal contribution in group work	Promotes accountability, teamwork, and fair distribution of responsibilities

Table 6.10 Time frame for Project completion

Particular	Date/ Week
Synopsis submission /Evaluation	Week 1
Finalize project topic	Week 4
Review 1 of Project Work	End of 4th Week
Review 2 of Project Work	End of 8th Week
Review 3 of Project Work	End of 13th Week
Final Presentation and Demonstration	Week 14
Final Submission and Evaluation	End of Semester

Evaluation of Projects:

- Evaluation of the progress of project work is a continuous process.
- Process of evaluation is based on MSBTE guidelines. - Assessment consist of formative and summative assessment having 50 marks each. Formative assessment is divided into team assessment (30 Marks) and individual assessment (20 Marks).
- The progression and evaluation of the work is discussed at every review by the project coordinator.
- Project diary is maintained by students and the diary is signed by the guide.
- Projects are assessed based on the presentation and the progression of their work.
- All the review marks are considered for the internal assessment.
- Progressive assessment of various stages is done and marks are allotted.
- Final assessment is done by external examiner appointed by MSBTE.
- Based on the Viva-voce and project work marks are awarded to the students which are forwarded to MSBTE through log in provided to external examiner.



Week No:02: 22 Dec – 28 Dec 2025

Activities Planned:

- Block diagram preparation
- Component selection
- Working sequence planning

Activities Executed:

- Prepared system block diagram
- Selected Arduino, Servo motor, Limit switch, 12V supply, Fan
- Designed working sequence using limit switch feedback

Reason for Delay if any:

- Christmas holiday reduced lab hours

Corrective Measures adopted:

- Team discussion conducted outside lab

Remark and Signature of The Guide: Literature survey & component selection is ok.

Fig. 2.33 Example Project Diary

D. Process to assess individual and team performance (5)	Institute Marks
	5.00

- Individual and team performance is assessed based on the project presentation and progress in the work.
- Assessment is based on CIAAN 2023 guidelines
- Assessment consists of both formative and summative assessment, each carrying 50 marks
- The formative assessment is divided into two parts:

I. Team Assessment, which carries 30 Marks
II. Individual Assessment , which carries 20 Marks

Criteria for Assessment:

A. Formative Assessment (FA) :

Table 6.11 Rubrics for Assessment of the Team

Sr.No.	Criteria	Marks
1	Project Selection & Problem definition	05
2	Literature survey and data collection/ Gathering	05
3	Design / concept of project/ Working - Execution of Project	10
4	Stage wise progress as per Action plan/milestone	05
5	Quality Report Writing	05

Table 6.12 Rubrics for Individual Assessment

Sr.No.	Criteria	Marks
1	Contribution as a team member	05
2	Depth of Knowledge	10
3	Presentation	05

B. Summative Assessment (FA)

The summative assessment for 50 marks is to be done and based on following criteria. This assessment shall be done by the project coordinator and External examiner.

Table 6.13 Rubrics for Summative Assessment

Sr.No.	Criteria	Marks
1	Capstone Project Completion as per plan	10
2	Project related requirement analysis and designing	10
3	Developing a Solution with proper justifications, Teamwork	10
4	Project Report Writing	10

5	Project Presentation	10

For AICTE Diploma Engineering Courses

K3
wef - 2023-24

Maharashtra State Board of Technical Education
FORMATIVE ASSESSMENT OF PRACTICAL (FA-PR)

Institute Code and Name: 0989-Marathwada Mitramandal's Polytechnic, Pune **Semester:** VI **Exam:** Summer (2026)
Academic Year: 2025-26 **Programme:** Mechatronics (MK) **Course:** MK6K **Course Code:** 316004

Roll No.	Enrollment No.	Exam Seat Number	Name of the Student	Practical / Tutorial (Marks out of 25 per Experiment)								Total Marks (10 x 8 No. of Expt.) =80	FA Marks of Practical Converted according to L-A Scheme (Max Marks. 50)	Signature of Student
1	2	3	4	5								6	7	
				Project Selection & Problem definition	Literature survey and data collection/ Gathering	Design / concept of project/ Working - Execution of Project	Stage wise progress as per Action plan/milestone	Quality Report Writing	Contribution as a team member	Depth of Knowledge	Presentation			
			Related CO											
220506	2209890336	227756	Dhotre Shruti Dnyaneshwar	9	9	9	9	9	9	9	9	72	45	
220508	2209890338	227757	Doijad Mangesh Manoj	9	9	9	9	9	10	10	10	75	47	
220510	2209890340	227758	Galande Sakshi Sunil	9	9	9	9	9	9	9	9	72	45	
220530	2209890360	227759	Mujmule Aarti Bhimrao	9	9	9	9	9	9	9	9	72	45	
220537	2209890367	227760	Patil Rohan Prakash	9	9	9	9	9	8	9	9	71	45	
220562	2209890392	227761	Udmale Dipali Bibhishan	9	9	8	9	9	9	9	9	71	45	
230501	23212280501	227762	Adhikari Vaibhavi Santosh	9	9	9	9	9	10	9	9	73	46	
230502	23212280502	227763	Aditya M Dhanshetty	10	10	9	9	9	9	10	10	76	48	
230503	23212280503	227764	Ankushe Siddhi Shivaji	9	9	9	[illegible]	9	9	9	10	73	46	
230504	23212280504	227765	Auti Sarthak Santosh	10	10	[illegible]	9	9	9	10	10	76	48	
230505	23212280505	227766	Avadhoot Abhijeet Shinde	9	9	9	9	8	9	9	9	71	45	
230508	23212280508	227767	Chavan Om Bhimrao	10	9	9	9	9	9	9	9	73	46	

M.M. POLYTECHNIC PUNE 411033 THERGAON

Fig 2.34. Formative assessment sheet for projects

E. Quality of deliverable, working prototypes (12)

Institute Marks
11.00

The capstone project deliverable includes a functional working prototype/model/Industry sponsored projects developed through systematic design, implementation, testing, and validation processes. The prototype demonstrates innovation, technical feasibility, industry relevance, teamwork, and practical application of acquired engineering knowledge.

Students are encouraged to maintain the quality of the project according to following criteria, to meet the parameters as per guidelines mentioned in MSBTE curriculum of Capstone Planning and project (316004):

Parameter	Expected Quality in Capstone Project
Working Prototype / Model	Students should prepare a functional prototype, working model, or software demonstrating the actual implementation of the project idea.
Completion as per Plan	The project should be completed according to the tasks and milestones defined in the synopsis and action plan.
Innovation	The solution should include innovative concepts, optimized design, and practical problem-solving approaches.
Technical Execution	Proper design, working mechanism, testing, and execution of the project should be demonstrated effectively.
Industry Relevance	The deliverable should address real-world or industrial problems and align with modern technologies such as automation, digitization, sustainability, EV systems, etc.
Team Contribution	Team members should actively contribute in design, development, testing, and implementation activities.
Documentation Quality	The prototype should be supported with a proper project report including methodology, design details, results, and applications.
User Friendliness & Cost Effectiveness	The solution should be practical, easy to use, economically feasible, and beneficial to society wherever applicable.
Presentation & Demonstration	Students should be able to demonstrate the working model confidently with clear explanation of outcomes and applications.

Assessment Rubrics:

Table. Assessment Rubrics for Projects

Performance	Excellent	Good	Fair	Poor
Criteria	9-10 marks.	6-8 marks	4-5 marks	0-3 marks
	Excellent	Good	Fair	Poor
Capstone Project Completion	The project is completed as per tasks described in synopsis.	The project is completed but require minor modifications.	The project is completed but require several modifications.	The project is not completed as per tasks described in synopsis.
Project related Requirement Analysis & Designing	Effectively contributed in requirement analysis and designing.	Partially Contributed in requirement analysis and designing.	Attempted to contribute in requirement analysis and designing	No contribution in requirement analysis and designing.
Developing a Solution with proper justifications , Teamwork	Developed the critical solution modules with Innovation, optimized design and worked very well with the team.	Developed some solutions with higher complexity and worked well with the team	Attempted to develop few solutions and worked with the team.	No contribution in developing a solution and in the team
Project Report Writing	Worked very well to submit an excellent project report	Worked well to submit the project report with covering all the aspects of a standard report	Tried to submit the project report but standard of report was not satisfactory	No contribution in project report writing
Project Presentation	Presented the project work flawlessly	Presented the project work very nic	Presented the project work not so well	Presentation skill is not up to the mark

F. Papers published /Awards/ Recognition received by projects at State/ National level (5)

Institute Marks
4.00

- The department encourages a strong project-based learning approach to enhance student's practical knowledge and problem-solving skills.
- Continuous support is provided through guidance, infrastructure, and participation in competitions
- Students are encouraged to publish their project work in state level project exhibition and competition.
- Students are encouraged to participated in MSBTE project competition
- Best projects have been awarded and prizes are given.

Summary:

Sr. No.	Academic Year	No. of Projects	Category of Project	Award/Recognition for Projects
1	2025-26	15	Industry Sponsored - 02 In-house - 13	Award Won-2 Participation - 06
2	2024-25	25	Industry Sponsored - 25	Recognition received from sponsoring industries
3	2023-24	12	Industry Sponsored - 12	Recognition received from sponsoring industries

2.2.5 Industry Interaction and Industry Internship/Training (30)

Institute Marks
29.00

A. Industry supported Labs (2)

Institute Marks
2.00

Industry supported Labs

- To strengthen interaction with industries and to keep students are updated with the latest trends
- Industry interactions help the students to acquire the practical knowledge. So in order to improve the technical abilities various industrial activities are carried out.
- The institute has established a centre of excellence for mold & die design and Manufacturing in collaboration with Cimatron which is a part of Sandvik group
- Well-equipped laboratory is established by Volkswagen Group

Table 2.17 List of industry supported laboratories

Sr.No.	Name of Industry Supported Laboratories	Area of Collaboration	Date of Collaboration
1	SVR Robotics	AI-based articulated robotic arms, multi-axis robotic arm and high-end vision guidance systems	11th August 2025
2	Cimatron- Sandvik Group	Mold & Die- Design & Manufacturing	30th April 2026
3	VGTAP	Vehicle Maintenance- Service Sector	7th December 2010

1. SVR Robotics:

On 11th August 2025, SVR Robotics Pvt. Ltd., Pune, established an Industry-Sponsored Robotics Lab at Marathwada Mitra Mandal's Polytechnic. The lab is equipped with a robotic arm and automation training setup, designed to provide hands-on exposure to students in the field of robotics and industrial automation. The purpose of this setup is to provide Hands-on training in robotics, automation, and industrial applications; enhanced employability and industry readiness.

Fig. 2.35 Industry supported lab by SVR robotics

2. CIMATRON:

The cimatron software is extensively used for 3D Modeling & Product Design, Mold and Die Design. The centre is equipped with Cimatron software tools and students receive hands-on training in mold and die designing software tools, enabling them to understand the complete product development cycle from design to manufacturing. The software support enhances practical learning, improves design accuracy, and prepares students for real- time industrial applications. Cimatron has provided 10 commercial-free educational licenses to the department for academic training, practice, and skill development purposes.

Fig. 2.36 Industry supported lab by SVR Cimatron

3. VG-TAP Centre:

- An advanced training centre has been set up by the department in association with Volkswagen Group Sales India Pvt. Ltd. VG-TAP (Volkswagen Technical Apprenticeship Program) is a partnership between Volkswagen and Marathwada Mitra Mandal's Polytechnic, where the skill levels of faculty and students are upgraded to industry standard. Company is involved in setting up of training labs and equipment to train the final year diploma students in car servicing, thus making them industry ready professionals.
- It is a tie up between VGSIPL & DEG, Germany through VG - TAP, VGSIPL - DEG support:
- ◦ Providing framework training infrastructure,
  ◦ Providing aggregates, sub-assemblies and components of latest automotive technologies,
  ◦ Training instructors
  ◦ Training of students.

B. Delivery of appropriate Course work by Industry experts (5)	Institute Marks
	5.00

- Industry experts are regularly invited to deliver appropriate course work to enhance the teaching-learning process in alignment with current industrial practices
- Industry experts are organized where professionals from relevant core and allied industries share their practical knowledge related to specific subjects in the curriculum
- These sessions helps students understand real-time applications of theoretical concepts and bridge the gap between academia and industry

Table 2.18 Detailes Of expert lectures

Sr.No.	Academic Year	No. of Expert Lecture
1	CAY: 2025-26	7
2	CAYm1: 2024-25	5
3	CAYm2: 2023-24	5

CAY (2025-26)

Sr. No.	Details of Industry Expert	Topic	Course	Year / Semester	Name of Coordinator	Date of Expert Lecture	No. of Benefici	Relevance to POs and PSO (only Numbers)
1	Mr.Ganesh Kokate	Constitutional and preamble	EIC	III	Ms.Patil K.V.	26/7/2025	90	PO1 ,PO5
2	Mr. C.P.Mahajan (CEO Dolphin Labs Embedded Systems Pvt. Ltd.	Application of IoT in Mechatronics	MIT	V	Ms. Bhosale S.S.	04/08/2025	50	PO1 ,PO7
3	Mr. Nikitesh Kotangale (Legal practice at supreme court & bombay High court) 9860745540	An Overall analysis of Essence of Indian Constitution.	EIC	III	Ms. Shelke G.D.	13/09/2025	29	PO1, PO4, PO7, PSO2
4	Dr. Sourabh Ubale (M.M. Shankarrao chavan law college MMCC campus,Deccan Gyamkhana,pune 9921277798)	Essence of Indian Constitution	EIC	III	Mr. Gaikwad N.M.	10/10/2025	37	PO1, PO4, PO7, PSO2
5	Mr. Nikhil Baravkar Assistance Manager - Training and certification Dept. Passenger Drone Research Ltd, Nashik (7875075705)	Drone Technology	IRO, MIT	V	Ms. Rupali Rathor	11/10/2025	53	PO2, PO3, PO5, PSO1
6	Mr. Saurabh Ahellya (Manager - Training & development Probotix Control System India Pvt Ltd. 9767201920)	Industrial Automation & Robotics - Trends , Technologies	IRO	V	Mr. Jadhav P.A.	04/09/2025	52	PO1, PO4, PO7, PSO2
7	Mr.Yogesh D. Khairnar (Sr. Simulation Engineer Sphinx Worldbiz Ltd. 7875588918)	The New Era of Robotics	MPR, IRO, MEM	II,IV,VI	Ms. Shelke G.D.	14/02/2026	85	PO4,PO7,PSO2

CAY m1 (2024-25)

Sr. No.	Details of Industry Expert	Topic	Course	Semester	Name of Coordinator	Date of conduction of Activity	No. Of Benefici	Relevance to POs and PSO (only Numbers)

1	Mr. Bhunendra Karandikar, 8378978834	Measurement & Calibration	Industrial Measurements 313319	III	Rupali Rathor	30/09/2024	55	PO1, PO4, PO5, PO7, PSO2
2	Mr. Irshad Ali, 8149714367	Programmable logic controller	Programmable logic controller 22585	V	Ms. Bhosale S.S.	14/10/2024	48	PO1, PO4, PO5, PO7, PSO2
3	Ms. Surbhi Singh, 9411192142	Introduction to Microcontroller	Embedded system using C	IV	Ms. Engle A.P.	03/02/2025	40	PO1, PO2, PO7
4	Dr. Sandhya Shinde, 9766709547	Control System	Control System	IV	Ms. Bhosale S.S.	07/03/2025	52	PO1, PO7
5	Mr. Shubham Kale, 8108490029	Cobot and its domestic	Theory of Mschine 313313	IV	Mr. Jadhav P.A.	10/03/2025	52	PO1, PO3, PO4, PSO1

CAY m2 (2023-24)

Sr. No.	Details of Industry Expert	Topic	Course	Semester	Name of Coordinator	Date of Conducting Activity	No. of Benefici	Relevance to POs and PSO (only Numbers)
1	Mr. Rahul Ralebhat	Solar energy solutions and EV vehicles	BME (22374)	III	Mr. N.M. Gaikwad	8/8/2023	47	PO2, PO7
2	Mr. Atharva Gaopande, 7757880568	Basic blocks & ethics in IoT system	IoT (22588)	V	Mrs. D.A. Bhor	9/8/2023	19	PO1, PO2, PO3, PO5, PSO2
3	Mr. Nayan Sir, 9421158064	Basics of PLC & SCADA	PPS (22587)	V	Mrs. S.S. Bhosale	12/09/2023	19	PO1, PO7
4	Mr. Atharva Gaopande, 7757880568	8051 Microcontroller with sensor interfacing	MCP (22471)	IV	Mrs. D.A. Bhor	08/02/2024	52	PO3, PO6
5	Ms. Jasmine Duggal, Senior Teaching Associate, MS-DEED, IISER, Pune	Nanotechnology	Applied Physics	II	Mr. B.S. Salunkhe	9/3/2024	55	PO2, PO6

C. Industrial visits/tours for students (3) | Institute Marks: 3.00

- Industry visit is a part of the education, during which students visits comapnies and get insight into the internal working environment of the company
- Industry visits arranged by the department support classroom learning by giving students direct exposure to the work environment.
- This helps identify what skills they are missing and prepares them
- Real industry experience shared by experts helps students move from only book-based thinking to a more practical, real-world way of solving problems.
- These interactions improve their technical skills and help them understand different job roles better.

Table 2.19 Details of Industry Visits

Sr.No.	Academic Year	No. of Industry Visits/Tours
1	CAY: 2025-26	5
2	CAYm1: 2024-25	7
3	CAYm2: 2023-24	7

CAY 2025-26:

Sr. No	Details of Industry	Year / Semester	Relevance to Course	Name of Coordinator/ s	Date of visit	No. of Beneficiary	Relevance to POs and PSO (only Numbers)
1	NDT Metal Solution Laboratory, Pimpri Colony	III	MEM, IME	N. M. Gaikwad, Ms. S. S. Bhosale	19/09/2025	42	PO4, PO7, PSO1
2	High Altitude Cloud Physics Laboratory, Mahabaleshwar	VI	MMS	Dr. P. A. Jadhav, Ms. K. V. Patil	26 / 02 / 2026	46	PO1, PO2
3	Tarangan (Vidnyangad) in Mahabaleshwar	VI	EES	Dr. P. A. Jadhav, Ms. K. V. Patil	26 / 02 / 2026	48	PO1, PO2
4	B U Bhandari Automotive Pvt Ltd" Wakad, Pune.	VI	AMK	Ms. G. D. Sheike, Ms. K. V. Patil	13 / 02 / 2026	50	PO4, PO5, PO7
5	IFEX-2026 Held at NESCO Centre, Mumbai	IV	IAU, CSS	Mr. N. M. Gaikwad, Ms. S. S. Bhosale	13 / 02 / 2026	37	PO1, PO3, PSO1

CAYm1 2024-25:

Sr. No.	Details of Industry	Semester	Course Name	Name of Coordinator	Date of Conduction Of Activity	No. Of Beneficiaries	Relevance to POs and PSO (only Numbers)
1	Pune Heat, MIDC Bhosari Pune - 411026.	III	MEM	N. M. Gaikwad	11/10/2024	54	PO1, PO2, PO4, PO7
2	Subros Ltd., MIDC Chakan	V	PPS	Mrs. S. S. Bhosale	11/10/2024	41	PO1, PO4, PO7
3	B. U. Bhandari Volkswagen Wakad, Pimpri - Chinchwad, Pune - 411057.	V	AMK	Mr. P.A. Jadhav	28/09/2024	42	PO1, PO4, PO7
4	Godrej - Motor Solutions, Shirwal	IV	IAU	Mr. N. M. Gaikwad	20/03/2025	45	PO1, PO7, PSO1, PSO2
5	Naoroji Godrej Centre for Plant Research	IV	EES	Ms. Rupali Rathor	20/03/2025	45	PO1, PO5
6	Zimmer Automation India Pvt Ltd, Kikvi	IV	CSS	Mrs. S. S. Bhosale	20/03/2025	45	PO1, PO5, PSO1, PSO2
7	FMCIII, MMCOE, Karvenagar, Pune	III	EDP	Mr. N. M. Gaikwad	30/07/2024	56	PO5

CAYm2 2023-24:

Sr. No	Details of Industry	Semester	Course Name	Name of Coordinator	Date of Conducting of Activity	No. of Beneficiaries	Relevance to POs and PSO (only Numbers)
1	Technocraft Institute of Robotics Technologies, Nigdi Shop No. U1, Inspiria Mall, Bus stop, Old Mumbai road, Near Nigdi Gaothan, Nigdi, Pimpri-Chinchwad, Pune - 411044, Maharashtra	Fifth	MK5I	Mr. Jadhav P. A.	28/08/2023	22	PO1, PO2, PO3, PO4, PO7
2	Quality NDT Services, MIDC Bhosari Pune.	Third	MK3I	Mr. Gaikwad N. M.	28/08/2023	52	PO1, PO4, PO7
3	Pune Heat, MIDC Bhosari Pune - 411026.	Third	MK3I	Mr. Gaikwad N. M.	28/08/2023	52	PO1, PO4, PO7
4	B. U. Bhandari Volkswagen Wakad, Pimpri - Chinchwad, Pune - 411057.	Fifth	MK5I	Mr. Krishnani A. L.	31/08/2023	22	PO2, PO4, PO5, PO7, PSO2
5	Maharashtra Defence MSME Expo-2024 at PIECC Ground, Moshi	Fourth	MK4I	Mr. Krishnani A. L.	24/02/2024	54	PO1, PO6, PO7
6	PCMC Water Purification Plant, Nigdi, Pimpri-Chinchwad, Pune.	Fourth	MK4I	Mrs. Bhor D. A., Mr. Krishnani A. L.	27/02/2024	45	PO1, PO3, PO4, PO5, PO7
7	TATA Ficosa Automotive Systems Pvt. Ltd., 239/240, Phase 1, Hinjawadi Rajiv Gandhi Infotech Park, Hinjawadi, Pune, Pimpri-Chinchwad, Maharashtra 411057.	Fourth	MK4I	Mr. Krishnani A. L., Mr. Yadav S. J.	24/02/2024	54	PO1, PO2, PO3, PO4, PO5, PO7

Fig.2.37 Sample photo of Industrial Visit at Zimmer, Kikvi, Oune

D. Industrial training/ internship (5) | Institute Marks: 5.00

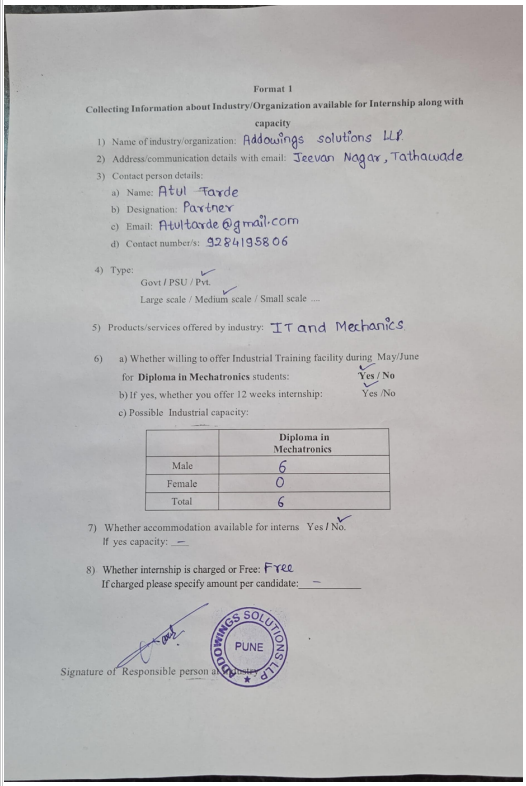
- The curriculum is designed to align with the latest industry advancements, ensuring students acquire skills relevant to current and future job markets.
- The curriculum focuses on hands-on learning through practical sessions,workshops, real-world projects, **internships** and major projects/seminars. This approach fosters a holistic understanding and prepares students for real-world challenges.
- To bridge the gap between theory and industrial practice, the I-Scheme mandates 16 weeks (Semester VI) and the K-Scheme (with effect from 2024-25) mandates 12 weeks of internship in industry environment, providing students with essential practical skills and exposure to real-world and work environments in line with guidelines of apex body
- Duration for industrial training is in between 4th and 5th semester (i.e. in summer vacation)
- Training area should be large and medium scale industry / organosation i.e. it can be manufacturing, fabrication, foundary or processing industry, power plants, railways, process plants, ordinance factories, textile factories, automobile manufacturers or major automobile workshops
- **The department undertakes the following procedural activities to ensure successful completion of the internship**

Table 2.20 Industrial Training Schedule

Sr. No	Activity	Suggested Schedule (Weeks)
1	Collection of information about industry available and ready for extending training with its offered capacity of students (Sample Format 1)	1st to 3rd week of 4th Semester
2	Allocations of Student and Mentor as per availability (Mentor: Student Ratio (1:15))	4th to 6th week of 4th semester
3	Communication with Industry and obtaining its confirmation Sample letter Format	6th to 8th week of 4th semester
4	Securing consent letter from parents/guardians of students (Sample Format 2)	Before 10th week of 4th semester
5	Enrollment of Students for industrial training (Format 3)	Before 12th week of 4rd semester
6	Issue of letter to industry for training along with details of students and mentor (Format 4)	Before 14th week of 4th Semester
7	Organize Internship Orientation session for students	Before end of 4th Semester
8	Progressive Assessment of industry training by Mentor	Each week during training period
9	Assessment of training by institutional mentor and Industry mentor	5th Semester ESE

Various Formats used for internship:

Format-1: Collecting Information about Industry/Organization available for training along with capacity



Format 1

Collecting Information about Industry/Organization available for Internship along with capacity

1) Name of industry/organization: Addawings solutions LLP
2) Address/communication details with email: Jeevan Nagar, Tathawade
3) Contact person details:
   a) Name: Atul Tarde
   b) Designation: Partner
   c) Email: Atultarde@gmail.com
   d) Contact number/s: 9284195806
4) Type:
   Govt / PSU / Pvt.
   Large scale / Medium scale / Small scale ....
5) Products/services offered by industry: IT and Mechanics
6) a) Whether willing to offer Industrial Training facility during May/June for **Diploma in Mechatronics** students: Yes / No
   b) If yes, whether you offer 12 weeks internship: Yes /No
   c) Possible Industrial capacity:

	Diploma in Mechatronics
Male	6
Female	0
Total	6

7) Whether accommodation available for interns Yes / No.
   If yes capacity: —
8) Whether internship is charged or Free: Free
   If charged please specify amount per candidate: —

Signature of Responsible person with Seal

ADDAWINGS SOLUTIONS LLP PUNE

Fig 2.38. Sample Format 1 of Internship

Format-2: Obtaining Consent Letter from parents/guardians

Pratyanch. G. Patil
2421220869

Format 2
Consent Letter from parents/guardians
(Undertaking from Parents)

To,
The Principal,
Marathwada Mitra Mandal's Polytechnic,
Thergaon, Pune - 411033

Subject: Consent for Industrial Training.

Sir/Madam,

I am fully aware that –

i) My ward studying in fifth semester at **Marathwada Mitra Mandal's Polytechnic** has to undergo 12 weeks of Industrial Training for partial fulfillment towards completion of ***Diploma in Mechatronics***
ii) For this fulfillment he/she has been deputed at LUCAS TVS (Name Of the Industry) located at PUNE (City) for internship of 12 weeks for the period from 12/05/26 to 12/08/26.

With respect to above, I give my full consent for my ward to travel to and from the mentioned industry. Further I undertake that -

a. My ward will undergo the training at his/her own cost and risk during internship and/or stay.
b. My ward will be entirely under the discipline of the organization where he/she will be placed and will abide by the rules and regulations in face of the said organization.
c. MY ward is NOT entitled to any leave during the training period.
d. My ward will maintain a regular prescribed weekly diary and get countersigned by the industry mentor of the organization and submit it to mentor faculty of institute at the end of internship.

I have explained the contents of the letter to my ward who has also promised to adhere strictly to above requirements. I assure that my ward will be able to take his own care to avoid any accidents/injuries in the industry during his internship tenure. In case of any accident neither industry nor the institute will be held responsible.

Signature:
Name: Ganesh. M. Patil
Address: B-503, Mayur panorama, Nehru Nagar, Pimpri, Pune.
Contact Number: 9970435272

Fig. 2.39 Format-4: Issue Letter to the Industry/Organization for the training along with details of students and mentors

Marathwada Mitra Mandal's Polytechnic

Sr. No. 4/17, Thergaon, Pimpri-Chinchwad, Pune– 411 033.

Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics | AIML | Automation & Robotics | Electronics Engineering

Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Prin. Bhausaheb G. Jadhav	Dr. Madhavrao V. Suryawanshi	Shri. Kishor H. Mungale
President	Exe. President	Secretary

Ref. No. MMP/off/Ind. Trai./2025-26/498 **Date:21/04/2026**

To,
The HR Manager,
Addowings solutions LLP,
Tathwade

Subject : Placement for Industrial Training of 12 weeks in your organization
Reference : Your consent letter no.
Respected Sir,
With reference to the above we are honored to place the following students from this institute for Industrial training in your esteemed organization as per the arrangement arrived at.

The purpose of this training is to equip the student with some essential skills relevant to the demands of the industry and world of work, as well as to provide exposure to the professional environment and work culture. It is hoped that this training may enhance his/her employability and livelihood opportunities. In view of the above, we kindly request your support in facilitating this Industrial Training for the student. He/she has been adequately oriented and guided on the expectations of this training, including the maintenance of a daily diary during the training period.
Additionally, the institute has secured the necessary consent and undertaking from the parent/guardian regarding the guidelines for exit training. In view of all the above industry shall refrain from involving students into the mundane and housekeeping activities. Your cooperation in this regard will be highly appreciated.

Diploma in Mechatronics Engineering

Sr. No.	Enrollment No.	Name of Student	Name and designation of Mentor
1.	24212280826	Kamble Om Sadanand	Mr. Gaikwad N.M./ 9922227554
2	24212280836	Mohite Sahil Sachin	
3	24212280843	Patil Pranav Mahendra	
4	24212280853	Shinde Shashank Umesh	
5	24212280855	Somvanshi Tushar Jitendra	
6	24212280862	Zalke Rudraksh Santosh	

Kindly extend all possible cooperation to the students for above.
Thanking you.

Your's Sincerely,

Prof. G.S.Joshi
Principal
Marathwada Mitra Mandal's Polytechnic.

M.M. POLYTECHNIC PUNE 411033. THERGAON

HoD / Mentor

Fig. 2.40 Format-5: Undertaking by the students

Format-5:
Undertaking by the students

To,

The Principal,

Marathwada Mitra Mandal's Polytechnic,

Thergaon, Pune – 411033.

Subject: Undertaking regarding Placement for Industrial training of 12weeks duration.

I Pratyanch Ganesh Patil
EnrollmentNo: 2421228028 69 S/o/D/o Ganesh Patil
Sushma Patil studying in Mechatronics department at M.M.Polytechnic, Institute at Thergaon fully aware of the Industrial Training requirement and related responsibilities and participation in the LUCAS TVS (Industry Name) Industrial training between From: 12/05/2026 To 12/08/2026

I assure you that I will be of good behavior and be obedient to the staff and mentor during the Industrial training. I will also abide and will not participate in all activity. I will also discipline myself within the rules and regulations of the Institution. I am also aware that I am participating in the LUCAS TVS at my own risk and I will not hold the Institute responsible in any way in any eventuality namely Accident /Injury/death or whatever mishap and I myself will be solely responsible for my safety.

Place : Pune
Signature of the student

Date : 10/05/2026
2421228028 69
Enrollement No.

Fig 2.41 Undertaking by students for internship

Week-wise Student Activities during Industry Training:

- Introduction of Industry and departments.
- Study of Layout of Industry, Specifications of Machines, raw materials, components available in the industry
- Study of setup and manufacturing processes
- Execute given project or work assigned to the students, study of safety and maintenance procedures
- Validation from industry mentor regarding project or work allocated
- Report writing

Allocation of students to various industries:

Table: 2.21 Students Internship Details:

Sr.No.	Academic Year	No.of Industries	No.of Beneficiaries	No. of Beneficiery with Stipend	Min. Stipend (Rs.)	Max Stipend (Rs.)	Percentage of beneficieries with stipend (%)
1	2025-26	12	58	25	5000	16000	43.10
2	2024-25	22	50	34	5000	15000	68.00
3	2023-24	12	24	11	5000	15000	45.83

CAY: 2025-26

Sr. No.	Name of Industry	Enrollment No.	Name of Student	Institute Mentor
1	Electrosoft System, Jalgaon	24212280831	Mankare Dnynesh Manoj	Ms.Bhosale S.S. / 9689893791
2	Automotive Test Systems, Dapodi ,Pune	24212280807	Bhenki Srushti Ravi	Ms. Bhosale S.S. / 9689893791
3	Addowings solutions LLP, Tathwade	24212280826	Kamble Om Sadanand	Mr. Gaikwad N.M./ 9922227554
		24212280836	Mohite Sahil Sachin	
		24212280843	Patil Pranav Mahendra	
		24212280853	Shinde Shashank Umesh	
		24212280855	Somvanshi Tushar Jitendra	
		24212280862	Zalke Rudraksh Santosh	
4	Aditya Precision Engineering, Pimpri chinchwad	23212280530	Naikwadi Kashaf Sikandar	Dr. Jadhav

		23212280554	Suryawanshi Yash	P.A./9423959362
		24212280808	Bhosale Swaraj Dnyaneshwar	
		24212280811	Dikkar Sumedh Chetan	
		24212280822	Hole Satish Ramu	
		24212280823	Jeet Yogesh Kulkarni	Ms. Patil K.V./ 9769593659
		24212280829	Kunale Disha Gopal	
		24212280847	Pawar Sai Anil	
		24212280845	Patil Shrutika Sandeep	
		24212280846	Pawar Komal Sunil	
5	BIT Electronics, Akurdi	24212280852	Shinde Payal Sachin	Ms. Bhosale S.S. / 9689893791
		24212280825	Kamble Harshada Gangaram	
		24212280834	Mhetre Megha Sanjay	
		24212280859	Trinetri Sharad Gadhave	
6	Factum Tool Engineering, Chakan	23212280550	Harsh Umesh Deshmukh	Mr.Gaikwad N.M./ 9922227554
7	PACIS LLP, Pirangut	24212280821	Harsh Umesh Deshmukh	Mr.Gaikwad N.M./ 9922227554
8	Onkar Engineering, Chakan, Pune.	24212280814	Gaikwad Samarth Santosh	Mr. Jadhav P. A/ 9423959362
9	Lucas Tvs System, Chakan	24212280269	Pratyanch Ganesh Patil	Ms. Shelke G.D./ 9260391964
		24212280805	Bansode Sarthak Sudhakar	
		24212280809	Daga Savari Parish	
		24212280810	Dange Vaishnavi Ambadas	
		24212280816	Gavade Janaki Santosh	
		24212280820	Gurudatta Vedraj Mahajan	
		24212280827	Kamble Shital Navnath	
		24212280832	Markad Yash Sachin	
		24212280848	Pujari Radhika Anil	
		25212280976	Isha Chandrakant Badambe	Ms. Rathor Rupali/ 8377985505
		24212280849	Sarode Shravani Yogesh	
		24212280851	Shelar Shlok	
		24212280854	Shinde Sumit Hanuman	
		24212280856	Subahan Arif Mujawar	
		24212280857	Tanish Pawar	
		24212280858	Telkar Shlok Sandeep	
		25212280974	Mule Omkar Balaji	
		25212280980	Sarode Pratik Pandurang	
		25212280977	Nagtilak Tanuja Bhagwat	
		25212280978	Mirpagar Ritesh Ravi	
		25212280979	Kirte Payal Govind	
		25212280981	Jadhav Aarati Bharat	
10	Proton Power control Pvt ltd, Pune.	24212280838	Mulay Dnyaneshwari Vilasrao	Ms. Bhosale S.S. / 9689893791
		24212280839	Mundhe Rujuta Rituparna	
		24212280840	Nalawade Rutuja Sandeep	
11	Shirodkar Preci Comp PVT LTD., Pune.	24212280833	Mengarti Siddhant Mangesh	Ms.Patil K.V. / 9769593659
		24212280835	Mitkare Adarsh Mukesh	
		24212280844	Patil Sanchit Sachin	
12	Success Mechatronics and Control	24212280802	Andre Manthan Madhukar	Gaikwad N.M./9922227554
		24212280804	Bankar Ishwar Sandeep	
		24212280860	Wadikar Yashraj Ganpat	
		24212280861	Waman Vaishnav Ramkisan	
		25212280975	Darwade Omkar Rajendra	

CAYm1: 2024-25

Sr. No.	Name of Industry	Roll No.	Enrollment No.	Name of Student	Institute Mentor
1	Adient India Pvt Ltd, Hinjewadi, Pune	220532	2209890362	Nandini Janardhan Mhaske	Mr. Jadhav P. A. 9423959362
2	Advik hi tech pvt Ltd, Bhosari, Pune	220513	2209890343	Gugale Siddhi Mahesh	Mr. Jadhav P. A. 9423959362
3	B U Bhandari auto Pvt limited, Wakad Pune	220525	2209890355	Khilare Mansi Ganesh	Mr. Gaikwad N. M. 9922227554
		220544	2209890374	Sable Jonah Bhaskar	
		220551	2209890381	Shelar Tanvi Amit	
		220558	2209890388	Sul Aditya Ankush	
		220566	2209890396	Walhekar Adwait Mahadev	
		230572	23212280567	Jadhav Amay Sharad	
		220519	2209890349	Kalash Krishnakant Wagh	
		220554	2209890384	Singh Hariom Ravindra	
		230573	23212280568	Jadhav Sneha Madhav	
		220555	2209890385	Somwanshi Shravani Rajesh	
3	BOBST INDIA pvt ltd, Pirangut, Pune	220502	2209890332	B S Akash Bala	Ms. Rathor Rupali 8377985505
		220517	2209890347	Joshi Atharva Amol	
4	Evergreen automation and robotics sales and services, Dehugaon, Pune	220538	2209890368	Patil Samarth Dattatray	Ms. Bhosale S. S 9689893791
5	Front line electronic Ltd, Nighoje , Pune	220518	2209890280	Kakade Mayur Hanumant	Ms. Bhosale S. S 9689893791
6	Gilbarco vedeer root (PAN India)	220505	2209890335	Dere Prasanna Gurudev	Ms. Shelke G. D. 9260391964
		220504	2209890334	Chavan Tanvi Jaysing	
		220533	2209890363	Niranjan Purushottam Dumbre	
		220527	2209890357	Konkati Vivekanand Vyankatesh	
		220561	2209890391	Thorave Harshad Santosh	
		220516	2209890346	Jadhav Rohan Shankar	
		220511	2209890341	Ghadge Pranjal Pravin	
		220535	2209890365	Parmar Disha Rakesh	
		220548	2209890378	Salve Prem Purushottam	
7	HI-TECH SERVICES, Chikhali, Pune	230571	23212280566	Gund Ganesh Pramod	Ms. Engale A. P. 9527716556
8	Logicon technosolution pvt ltd, Khandoba Maal, Akurdi, une	220528	2209890358	Manjare Anushka Narendra	Ms. Engale A. P. 9527716556
		220565	2209890395	Waghmare Sneha Indar	
		210503	2109890240	Bagale Kalyani Kishor	
9	MAHINDRA SAVAN IB SERVICE CENTER, THERMAX CHOWK PUNE	220569	2209890479	Harsh Pramod Sarode	Mrs. Patil K. V. 9769593659
10		210502	2109890239	Atharva Atul Londhe	
		220556	2209890386	Sonkamble Prachi Satish	
		220509	2209890339	Gaikwad Prachita Chandrakant	
11	NB Technologies India Pvt Ltd, Kalbhornagar, Chinchwad, Pune	220540	2209890370	Patil Vaishnavi Sudhakar	Ms. Shelke G. D.9260391964
12	O10 POWER SOLUTIONS, Akurdi, Pune	220524	2209890354	Kavitake Aryan Mayur	Mr. Jadhav P. A. 9423959362
13	Rucha engineer pvt.Ltd, Mahalunge Ingale, Pune	220526	2209890356	Kirve Gauri Yuvraj	Ms. Rathor Rupali 8377985505
		220545	2209890375	Sagar Mayuri Pratap	
		220547	2209890377	Salve Alka Sunil	
14	Sakar Robotics, Yerawada, Pune	220507	2209890337	Dhruv Anoop Saxena	Ms. Rathor Rupali 8377985505
15	Samarth udyog, bijalinagar road, Chinchwad, Pune	220543	2209890373	Ranwade Aditya Ashok	Ms. Bhosale S. S 9689893791
16	Smart op solutions LLP, MIDC CINCHWAD PUNE	220560	2209890390	Thorat Shantanu Deepak	Mr. Jadhav P. A. 9423959362
		220567	2209890397	Zombade Sushant Gulab	
17	Schaeffler India Pvt Ltd., Talegaon Dabhade	220520	2209890350	Kamble Karan Ajay	Mr. Jadhav P. A. 9423959362
		220529	2209890359	Mhetre Sidhant Sagar	
18	SMS Interprises, Chikhali, Pimpri-Chinchwad	220552	2209890382	Shinde Mangesh Deepak	Mr. Jadhav P. A. 9423959362
19	Softwell Automation, Kunal plaza, Chinchwad, Pune	220550	2209890380	Shaikh Hashir Ahmed Mujahid	Mr. Jadhav P. A. 9423959362
20	TATA motors passenger vehicle Ltd, Pimpri	220531	2209890361	Mulik Siddhi Vijay	Ms. Bhosale S. S 9689893791
21	Tejas Enterprises, Ksb chowk Chinchwad	220515	2209890345	Jadhav Aasawari Arvind	Mr. Gaikwad N. M. 9922227554
		220501	2209890331	Ankade Poonam Dnyaneshwar	
		220514	2209890344	Gunjal Satyam Sandip	
22	SVR ROBOTICS PVT LTD, Ambegaon Budruk, Pune	230577	23212280572	Wagh Prathmesh Rajendra	Ms. Shelke G. D. 9260391964

CAYm2: 2023-24

Sr. No.	Name of Industry	Enrolment No.	Name Of Student	Name of Mentor
1	SVR Robotics, Talawade, Pune.	2109890258	Pathan Afraaz Mukhtar	Mr. Jadhav P. A. (H.O.D)
		2109890252	Matale Yash Sandeep	
2	S. K. Engineering, Chakan, Pune.	2109890266	Vivek Jayawant Nalawade	
3	Thyssenkrupp Industries, Pimpri, Pune.	2109890244	Ghavri Riya Vinod	Mrs. Bhosale S. S.
		2209890483	Patil Arpita Anil	
4	Kalyani Maxion Wheels, Pvt. Ltd. Chakan, Pune.	2109890250	Kusalkar Vaishnavi Ramdas	Mrs. Bhosale S. S.
		2109890265	Vasundhara Chandrashekhar Janawade	
5	World of Automation, Chinchwad, Pune.	2109890246	Jadhav Arpan Vishwas	Mrs. Bhosale S. S.
6	Four Front Pvt. Ltd., Chakan, Pune.	2109890243	Burde Pratik Yuvraj	Mr. Krishnani A. L.
		2109890260	Raul Gajanan Govind	
		2209890481	Panaskar Pratik Anandrao	
		2209890480	Jagtap Tejas Laxman	
7	TATA Motors, Pimpri, Pune	2209890478	Gite Jayesh Nandu	Mr. Krishnani A. L.
8	Kalyani Maxion Wheels, Pvt. Ltd. Chakan, Pune.	2109890248	Koli Akshad Navnath	Mrs. Bhor D. A.
		2109890241	Bhagat Darshan Chagan	
		2109890262	Sakhare Chetan Mahadev	
9	P.N. Automation, Talwade, Pune.	2109890259	Puranik Raghav Manish	
10	Infinity Technology, Bhosari, Pune.	2109890257	Patel Mohammed Sami Naemoddin	Mr. Gaikwad N. M.
11	Flash Electronics Pvt. Ltd., Chakan, Pune.	2109890256	Palange Atharv Rajendra	
		2109890255	Palange Aryan Rajendra	
12	Subros Auto Airconditioning Systems, Chakan, Pune.	2209890482	Pardesi Moses Jeevan	
		2109890254	Pagare Pratik Pravin	
		2109890249	Kudale Omkar Shankar	

E. Post training/ internship Assessment (10)

	Institute Marks
	10.00

The assessment criteria for **Industrial Training / Internship (12 Weeks)** under MSBTE K-Scheme are divided into two parts:

1. **Formative Assessment (FA) – 100 Marks**
2. **Summative Assessment (SA) – 100 Marks**

These criteria are designed to evaluate the student's industrial exposure, practical participation, communication skills, technical understanding, and report preparation.

Part 1: Formative Assessment (FA) of training:

Formative assessment is carried out **week-wise during the internship period** by the institute mentor and industry mentor based on the student's daily diary, participation, and performance.

Table 2.22 Week wise activities and its focus area

Week	Assessment Activity	Focus Area	Marks
Week 1	Introduction of Industry	Understanding departments, products, processes, and work culture	5
Week 2	Industry Layout & Machines	Knowledge of machines, raw materials, and components	5
Week 3	Participation in Manufacturing/ Setup Processes	Practical involvement and understanding	20
Week 4–10	Execution of Assigned Work/ Project	Technical work, safety procedures, maintenance practices	20
Week 11	Validation by Industry Mentor	Performance and quality of work	25
Week 12	Diary Writing & Report Presentation	Documentation, conclusions, future scope	25
		Total Marks	**100**

Part 2: Summative Assessment (SA) of training:

Summative assessment is conducted during the **End Semester Examination (ESE)** through:

- Presentation
- Viva-voce
- Internship report evaluation
- Diary assessment

Table 2.23: Rubrics for Internship

i) Suggested RUBRIC for SA

	Observations from Orals				Presentations				Total (100)
Enrollment Number	Tasks undertaken (20)	Overall Understanding (20)	Creativity /Innovation demonstrated (10)	Knowledge acquired (10)	Speech Clarity (10)	Body Language (10)	Presentations (10)	Diary , Report writing and / Product (10)	

Name of mentor:
Signature of Mentor

F. Contribution to Community related projects/activities (5) — Institute Marks: 4.00

Mechatronics Department actively contributes to community-related projects and activities, demonstrating social responsibility and engagement beyond academics. The following initiatives highlight our efforts:

Table: 2.24 Community related projects/activities

Sr. No.	Activity	Date and Duration	No. of Beneficiaries	Description
1	Skill Development Program for 9th–12th Students	04-06 May 11-13 May 28-30 May 2026	200–250 Students	Conducted skill development sessions on basic engineering, and hands-on activities to create technical awareness among school students.
2	Basic Technical Training for Industrial Personnels	07/11/2025	50 Industry Personnels	Faculty delivered training on fundamental mechanical, electrical, and automation concepts to improve industrial workforce efficiency.
3	Election Duty by Students volunteer	16/01/2026	Society at Large	Faculty members actively contributed to Assembly and Municipal Corporation election duties ensuring smooth and fair electoral processes.
4	Student Volunteering in Bajaj Grand Tour Event (Pune)	19-23 Jan. 2026	500+ Participants	Students volunteered in Cyclothon event supporting coordination, crowd management, and logistics while promoting fitness and social awareness.

These activities reflect our commitment to community development, social responsibility, and holistic student growth, reinforcing the mechatronics department's role as a contributor to both education and society.

Fig. 2.42 Student Volunteering in Bajaj Grand Tour Event (Pune)

Fig. 2.43 Skill Development Program for 9th–12th Students:

2.2.6 Information Access Facilities and Student Centric Learning Initiatives (15) — Institute Marks: 11.00

A. Availability of facilities & Effective Utilization; *specify the facilities, materials and scope for self-learning, Webinars, NPTEL Podcast, MOOCs etc* (10) — Institute Marks: 7.00

Availability of facilities & Effective Utilization

Facilities:

I. Department level library facility is available

II. Entrepreneurship Development (EDP) Cell- Entrepreneurship Development Program is conducted for third year students under EDP Cell.

III. Smart Classroom assisted with ICT tools such as interactive board is used for delivering demonstrations, videos, and audio-visual content during lectures.

IV. Staff Websites are available which include notes, question bank, educational video tutorials, instructional lectures, interactive presentations, animated explanations.

V. Digital Learning Center with Computers & Internet: The digital learning center is well equipped with computers and high-speed internet to support students in accessing e-learning resources, online courses, virtual labs, and technical software.

VII. ERP app is available which contains LMS, online exam portal, attendance monitoring etc.

VIII. PPT, Videos are made available through common depository

Materials:

I. **Reference Books:** Adequate number of standard reference books covering core subjects are available.

- Availability of books by renowned authors
- Latest edition of reference materials as per curriculum
- Subject-wise and semester-wise arrangement for easy access
- Multiple copies of high-demand books
- Journals, and technical publications for advanced learning
- Regular updating of books based on curriculum and industry needs

II. **Lecture Notes and Study Materials:** Lecture notes and study materials are faculty-prepared structured content provided to students to support effective teaching-learning and revision. It includes written notes, presentations, examples that help students understand syllabus topics, revise concepts, and strengthen self-learning

III. **Previous Year Projects and Reports:** Previous year projects and reports are the collection of completed student project works along with their documented reports, maintained for reference and learning by current students. They help in understanding project methodology, design process, analysis, and documentation format, and support development of new innovative projects

IV. Cooperative store facility available

V. **Scope for Self-learning (MOOCS):** Students can enhance knowledge through online platforms like Alison, coursera which offer flexible courses and certifications to support continuous learning and skill development beyond the curriculum

VI.Online journals with adequete number are available

VIII. Previous year questions are available for students

Table 2.25: Available facilities & Effective Utilization

Sr. No.	Facilities / Materials	Year	Subjects	Beneficiary	Remark
1	Digital Access – Digital Library, Website	I/II/III	All	FY/SY/TY Students	Anytime academic connectivity
2	Teaching-Learning – Smart Classrooms, notes, study materials	I/II/III	All	FY/SY/TY Students	Interactive and structural learning
3	Skill Development – Digital Lab, MOOCs	I/II/III	All	FY/SY/TY Students	Practical & self-paced learning
4	Academic Reference – Books, Previous year Projects	I/II/III	All	FY/SY/TY Students	Deep understanding & reference support
5	Practical Work – Lab Manuals, Templates	I/II/III	All	FY/SY/TY Students	Standardized practical execution
6	Innovation – EDP Cell	I/II/III	All	FY/SY/TY Students	Entrepreneurship & startup skills

B. Student Centric Learning Initiatives & Effective Implementation (5)

Institute Marks: 4.00

Table 2.26: Student Centric Learning Initiatives

Student-Centric Initiative	Method of Implementation	Outcome
Project-Based Learning	Micro projects and group activities conducted in each semester	Improved practical skills and problem-solving ability
ICT Enabled Teaching	Use of smart boards, PPTs and virtual labs	Enhanced student engagement and understanding
Industrial Visits	Visits to industries and workshops arranged regularly	Exposure to industrial practices and technologies
Remedial Coaching	Extra classes conducted for weak students	Improvement in academic performance
Skill Development Activities	Workshops, seminars, and expert lectures organized	Enhancement of technical competencies
Online certification initiative	Students are encouraged to complete online certification courses through MOOC platforms such as NPTEL/ Cousera/Alison/Springboard/BMS (Bajaj Manufacturing system)	Enhance technical and employability skills

Table 2.27: Effective Implementation

Sr.No.	Student-Centric Initiative	No.of Activities		
		2025-26	2024-25	2023-24
1	Industrial Visits	05	07	07
2	Skill Development Activities	03	04	04
3	Online certification initiative	68	96	52

2.2.7 New Initiatives for embedding Professional Skills (15)

Institute Marks: 14.00

A. Employability skill enhancement Initiatives and effective implementation (8)

Institute Marks: 7.00

The Mechatronics Department, through the Training and Placement Cell, systematically organises various employability skill enhancement initiatives to improve students' technical competency, communication skills, interview readiness, professional skills, and industry exposure. The department focuses on bridging the gap between academic learning and industry requirements through structured training programmes, industrial interaction, internships, workshops, and placement-oriented activities.

The department focuses on developing essential employability skills among students to enhance their professional competency, industry readiness, and career opportunities. The major skills emphasized include effective communication, technical and practical competency, interview and presentation skills, professional ethics and work culture, industrial exposure, entrepreneurship awareness, competency in emerging technologies, and problem-solving abilities with professional confidence.

Examples of employability skill enhancement activities conducted by the department are as follows:

- Personality Development Training
- Resume Writing Sessions
- Interview Preparation Sessions
- Industrial Visits
- Guest Lectures by Industry Experts
- Pre-Placement Training Programmes
- Mock Interviews and Group Discussion Sessions
- Career Counselling Sessions
- Technical Workshops
- Practical-Oriented Laboratory Sessions
- Entrepreneurship Awareness Programmes
- Internship and Placement Activities
- Industry Interaction Activities
- Technical Apprenticeship Training Programmes
- Industry-Supported Certification Programmes

These activities are effectively implemented through expert sessions, industrial interaction, hands-on training, internships, workshops, and industry-supported certification programmes in collaboration with industries and professional organizations. The Training and Placement Cell, along with departmental coordinators, continuously monitors and facilitates these activities to ensure active student participation and effective skill development. As a result, the initiatives have significantly contributed to improving students' communication skills, technical competency, professional ethics, interview readiness, industrial exposure, and confidence levels, thereby enhancing the employability and career opportunities of Mechatronics students.

The details of the employability skill enhancement activities conducted by the department are shown in the following table.

Table 2.28. Employability skill enhancement Initiatives and effective implementation

Sr. No.	Initiative	Activities Conducted	Date	No. of Beneficiary Students (MK)	Effective Implementation	Relevance to POs / PSOs
1	Employability Skills Enhancement Programme	Training on Body Language, Professional Grooming, Interview Preparation, Group Discussion, and Professional Guidance	07-02-2026 to 09-02-2026	44	Conducted in collaboration with Mahindra & Mahindra's Naandi Foundation for third-year students	PO6, PO7, PSO1
2	Career Guidance Programme: ACDRI Skill Enhancement Workshops	Guidance on Robotic Automation, Automotive Embedded Systems, EV Technology, and Creo Software by ACDRI	02-09-2024	39	Industry expert sessions organized for third-year students	PO1, PO2, PSO1
3	Resume Writing Workshop	Resume preparation and professional profile building workshop through POD.ai	10-09-2024	29	Practical workshop conducted for placement-oriented students	PO6, PO7
4	Interview Preparation Workshop	Expert guidance on interview techniques and interview preparation strategies	16-10-2024	44	Interactive workshop and mock interview guidance arranged	PO6, PO7
5	Internship Placement Drive	Internship drive for Mechatronics sandwich course students by Gilbarco Veeder-Root, B. U. Bhandari Auto Pvt. Ltd., and ATQ Metro Pvt. Ltd.	28-11-2024	44	Campus interviews and industrial interaction organized at institute level	PO5, PO6, PSO1
6	Industry Meet	Interaction with industries regarding internships, placements, industrial visits, and training support	14-09-2024	39	Organized through the Training & Placement Cell	PO6, PSO1

7	Establishment of Centre of Excellence (COE) for Mold and Die Design	Training on Cimatron Mold and Die Design and Manufacturing	11-05-2026	5	Hands-on training conducted through industry collaboration and practical sessions	PO1, PO2, PSO1
8	MoU with Dolphins Labs Embedded System (OPS) Pvt. Ltd.	Workshop on IoT	18-09-2026 to 20-09-2026	25	Conducted through industry-supported workshop and expert sessions	PO1, PO2, PSO2
9	Electric Vehicle Training Centre (Sponsored by GTT Foundation)	Workshop on EV Fundamentals and Charging System	23-09-2025	43	Industry-supported technical workshop and practical training conducted	PO1, PO2, PSO2
10	Industrial Visit – High Altitude Cloud Physics Laboratory, Mahabaleshwar	Industrial Visit to High Altitude Cloud Physics Laboratory, Mahabaleshwar	26-02-2026	46	Industrial exposure provided through guided industrial visit	PO5, PO6, PO7, PSO1,PSO2
11	Workshop on Robot Programming	Hands-on Workshop on Robot Programming	31-08-2025 to 14-09-2025	57	Practical-oriented workshop conducted through hands-on training sessions	PO1, PO2, PSO2
12	Entrepreneurship Awareness Camp	Workshop on Entrepreneurship Awareness Camp (EAC)	04-09-2024 to 06-09-2024	26	Conducted in association with entrepreneurship development organizations through expert sessions	PO7, PSO2
13	Industrial Visit	Industrial Visit at TATA Ficosa Automotive Systems Pvt. Ltd., Hinjawadi, Pune	24-02-2024	24	Industrial exposure provided through organized industrial visit	PO5, PO6, PO7, PSO1,PSO2
14		Industrial Visit at Quality NDT Services, MIDC Bhosari, Pune	28-08-2023	28	Organized industrial visit conducted for practical industrial exposure	PO5, PO6, PO7, PSO1,PSO2
15	Volkswagen Group Technical Apprenticeship Program (VG-TAP)	Value-added technical training on Volkswagen vehicles with field training and OJT	Regularly Conducted	16	Training through certified trainers, practical sessions, and dealership internships	PO1, PO2, PO5, PSO1

B. Personality development related Initiatives & effective implementation (7) — Institute Marks: 7.00

The Mechatronics department undertakes various personality development initiatives to enhance students overall professional readiness. These initiatives focus on improving communication skills, confidence, interpersonal abilities, and workplace behaviour, which are essential for employability.

Personality Development Initiatives:

Counselling Sessions

- Organized group counselling sessions by expert counsellors and psychologists.
- Focus areas: emotional awareness, stress management, time management, mental health, and behavioural improvement.
- Outcomes achieved:
  - Improved emotional intelligence
  - Developed self-confidence and positive thinking
  - Managed stress and procrastination
  - Enhanced interpersonal and communication skills
  - Strengthened academic focus and time management
- Sessions included self-reflection exercises, discussions, and personalized guidance to foster overall personality development.

Effective Implementation:

- Activities planned in the academic calendar
- Sessions by industry professionals
- Student participation ensured through continuous motivation to bright students
- Inclusion of all students through group-based activities

Table 2.29. Personality development related Initiatives & effective implementation

Academic Year	Sr. No.	Name of Expert	Topic	Semester	Name of Coordinator	Date of Conducting of Activity	No. of Beneficiaries	Relevance To POs and PSOs (only Numbers)
2025-26	1	Mrs. Dhanashree Ghare, Psychologist & Councellor	ownership for life	III, IV	Ms. K. V. Patil	30/7/2025	83	PO7
	2	Personality development and grooming session for diploma students - Kar Lo SAFALTA Mutthi Mein program of M.M. Polytechnic.	Kar Lo SAFALTA Mutthi Mein	IV	Ms. K. V. Patil	11/01/2026	27	PO7
				VI	Ms. K. V. Patil	12/01/2026	24	PO7,
	3	Mr. Aditya Shinde	Guest lecture on Youth Enlightenment and personal development: Swami vivekananda and Todays Youth.	IV, VI	Ms. K. V. Patil	19/01/2026	87	PO7
2024 - 25	1	Mr. Shriram Inamdar	Aajcha Yuvak – Thoughts of Swami Vivekanand	IV	Ms. Shelke G.D.	13/01/2025	44	PO5
	2	Mr. Ganesh Sawant	Personnel and professional Development	II, IV	Mr. Gaikwad N.M.	14/11/2024	63	PO7
	3	Mrs. R.B. Korade	Women's empowerment, BNS laws, Social Media	II, IV	Mrs. Engle A.P.	08/03/2025	40	PO7
2023-24	1	Mr. Mahesh Bondre (Alumni MMP) Asst. Motor Vehicle inspector, RTO, Maharashtra	Personality Development & Motivation	Third	Mr. P.A. Jadhav	12/1/2024	51	PO7
	2	Mrs. Dhanashree Ghare, Psychologist & Councellor	Emotions Regulations	Fourth	Mrs. V.A. Deshmukh	9/8/2023	19	PO7

2.2.8 Co-curricular & Extra Curricular Activities (10) — Institute Marks: 10.00

Co-curricular and extra-curricular activities provide a firm platform for the overall development of students' skills. Such programs builts students' leadership qualities, team work, time management skills and stage daring. Students exhibit their creativity and extra-curricular skills. Students learn to organize an event and tackle the problems faced during organization. Utilizing the resources and solving the problems are the key skills developed through such programs.

- **Co-curricular Activities**: Co-curricular Activities such as participation in paper presentation, quiz competition and project competition are organized. to enhance students' technical knowledge, research ability, practical skills, and effective communication. Participation in national project competitions like *'Dipex'* channelizes students' budding talent.
- **Extra-Curricular Activities**: Extra curricular activities contains cultural activities, sports and social activities Students participate enthusiastically in "*MaMiTram*" celebration which is an annual social gathering. Under *MaMiTram* various activities like cultural programs, sports and other events are organized each year.
  - **Cultural-** Cultural activites Such as drama, singing, dancing, days celebrations in and around institution
  - **Sports-** Sports activities keep students physically tough and mentally sound. Sports activities are conducted to promote physical fitness, teamwork, leadership qualities, and overall personality development of students.Individual and group sport competitions are conducted for all the students.Students actively participate in institute-level sports activities, including both indoor and outdoor games, as well as in competitions organized by Inter Diploma Engineering Students Association (IDESSA) such as zonal and inter-zonal sports events.
  - **NSS:** Activities under National Service Scheme (NSS) are conducted to develop social responsibility, community engagement, leadership qualities, and ethical values among students.
  - **SAME: It** is a student-driven association of the Mechatronics Department aimed at enhancing technical knowledge, leadership, and professional skills. Through MESA students actively participates in co-curricular and extracurricular activities

Co-curricular Activities:

CAY (2025-26):

Table 2.30 Co-curricular activities

Sr. No.	Types of Activities and Details (Paper Presentation / Project / Quiz / etc.)	Date	No. of Beneficiery	Organizing Body	Awards (Winner/ Participation)	Level (State / National / etc.)	Relevance to POs and PSO
1	IOT workshop	18/09/26 to 20/09/26	56	Mr. C.P.Mahajan, Dolphins Lab	Participation	Institute	PO1, PO4, PO7, PSO2
2	EV training program workshop	23/09/2025	43	M.M Polytechnic,Thergaon	Participation	Institute	PO1, PO4, PO7, PSO2
3	Employability & job readiness training program	07/02/26 to 09/02/26	46	M.M Polytechnic,Thergaon	Participation	Institute	PO1, PO4, PO7, PSO2
4	Hands-on Workshop on Robot Programming	31/08/2025 to 14/09/2025	57	M.M Polytechnic,Thergaon	Participation	Institute	PO1, PO2, PO4, PO7, PSO2
5	NXT-GEN 2K26	14/03/2026	42	M.M Polytechnic,Thergaon	Participation	Institute	PO1, PO2, PO4, PO7, PSO2

CAYm1 2024-25:

Sr. No.	Types of Activities and Details (Paper Presentation / Project / Quiz / etc.)	Date	No. Of Beneficiery	Organizing Body	Awards (Winner/ Participation)	Level (State / National / etc.)	Relevance To POs and PEO (only Numbers)
1	IOT (AURDINO & RASPBERRY PIE Interface) Workshop	16/8/2024 to 19/8/2024	34	Atharva Aniruddha Gaopande, Bvoc. (Software Development) Founder Robot Classroom & Solutions	Participation	Institute	PO1, PO4, PO7, PSO2
2	Entrepreneurship Awareness Camp (ECA)	4/09/2024 to 6/09/2024	26	Mr. Ajit Dorge, Mr. Akanksha Patil, Mr. Pandit Gavade, Mrs. Preeti Pande	Participation	Institute	PO1, PO7, PSO2
3	Industrial Automation (PLC & SCADA) workshop	15/10/2024 to 18/10/2024	52	Mr. Irshad Ali Sir, Senior Engineer, World of Automation	Participation	Institute	PO1, PO4, PO5, PO7, PSO2
4	Workshop on Underground electrical cables	14/09/2024	50	Mr. Pradeep Ramrakhiani, Ravin Group	Participation	Institute	PO1, PO2, PO4, PO5, PO7, PSO2
5	Workshop on "Mastering Electrical Power Cables: Fundamentals, Types & Insulation"	14/3/2025 to 16/03/2025	51	Mr. Pradeep Ramrakhiani, Ravin Group	Participation	Institute	PO1, PO2, PO4, PO5, PO7, PSO2
6	"Innovations in Mechatronics" National Level Online Quiz Competition	12/03/2025	328	Mechatronics Department, MMP	Winner	Participation	PO1, PO2, PO3, PO5, PO7, PSO2

CAYm2 (2023-24):

Sr. No.	Types of Activities and Details (Paper Presentation / Project / Quiz / etc.)	Date	No. of Beneficiery	Organizing Body	Awards (Winner/ Participation)	Level (State / National / etc.)	Relevance to POs and PSO
1	Internet of Things - Arduino & Raspberry PI Interfacing Workshop	28/08/2023, 06/09/2023, 11/09/2023, 05/10/2023	25	Mechatronics Department	Participation	Department	PO1, PO2, PO3, PO5, PO7, PSO2
2	Hands-on Workshop on Robot Programming	30/09/2023 to 01/10/2023	25	Mechatronics Department	Participation	Department	PO1, PO2, PO4, PO7, PSO2
3	Entrepreneurship Awareness Camp (ECA)	07/09/2023 to 09/09/2023	25	Mechatronics Department	Participation	Department	PO1, PO3, PO4, PO5, PO7, PSO2
4	Industrial Automation Workshop	25/09/2023 to 29/09/2023	25	Mechatronics Department	Participation	Department	PO1, PO3, PO4, PO5, PO7, PSO2
5	Technical quiz competition	28/02/2024	56	Guru Govindsingh Polytechnic, Nashik	Participation	State	PO1, PO2, PO3, PO5, PO7, PSO2
6	AVANT (State level Technical Event of MM Poltechnic)	05/03/2024	100	M.M. Polytechnic	Participation	State	PO1, PO2, PO3, PO5, PO7, PSO2

Extra-Curricular Activities:

CAY (2025-26):

Table 2.31: Institute Level Extra Curricular Activities

Sr. No.	Types of Activities and Details (Paper Presentation / Project / Quiz / etc.)	Date	No. of Beneficiery	Organizing Body	Awards (Winner/ Participation)	Level (State / National / etc.)	Relevance To POs and PEO (only Numbers)
1	Guest lecture on Youth Enlightenment and personal development: Swami vivekananda and Todays Youth.	19/01/2026	87	Institute Level	Participation	Institute Level	PO-7
2	Lathi- Kathi Training , Yoga & Meditation , Health Check- up and Pathnatya Activities of M.M.Polytechnic to Girls Students.	Dec 2025	23	Institute Level	Participation	Institute Level	PO-7
		Jan 2026			Participation	Institute Level	
		Feb 2026			Participation	Institute Level	

3	Blood Donation & Health check-up CAMP NSS activity of M.M. Polytechnic in collaboration with Akshay Blood Bank on 26th Feb. 2026	26/02/2026	12	Institute Level	Participation	Institute Level	PO-7
4	International womens day Celebration NSS activity of M.M.Polytechnic in collaboration with Sadguru Seva Pratisthan Pune on 2nd March 2026	02/03/2026	26	Institute Level	Participation	Institute Level	PO-7
5	Tree plantation drive on the occasion of world Environment Day 5th June	05/06/2025	46	Institute Level	Participation	Institute Level	PO-5, PO-7
6	Road safety and awareness	30/7/2025	51	Mr. Anand kamble, Honda motor	Participation	Institute Level	PO-1, PO-7
7	BMS certification orientation	18/7/2025	48	Tata strive	Participation	Institute Level	PO-1, PO-5, PO-7

CAYm1 2024-25:

Table 2.32: Zonal & State Sports Competition (IEDSSA)

Sr. No.	Types of Activities and Details (Paper Presentation / Project / Quiz / etc.)	Date	No. of Beneficiery	Organizing Body	Awards (Winner/ Participation)	Level (State / National / etc.)	Relevance To POs and PEO (only Numbers)
1	Zonal & State Sports Competition (Chess)	22/01/25	3	Inter Engineering Diploma Students Sports Association	Participated	Zonal and State	PO-7
2	Zonal & State Sports Competition (Kabaddi)	28/1/25	2	Inter Engineering Diploma Students Sports Association	Participation	Zonal and State	PO-7
4	Zonal & State Sports Competition (Football)	24/1/25	4	Inter Engineering Diploma Students Sports Association	Participation	Zonal and State	PO-7
6	Zonal & State Sports Competition (BasketBall)	8/2/25	8	Inter Engineering Diploma Students Sports Association	Participation	Zonal and State	PO-7
7	Zonal & State Sports Competition (Cricket)	13/2/25 to 17/2/25	3	Inter Engineering Diploma Students Sports Association	2nd Place: Cricket Boys	Zonal and State	PO-7
8	Zonal & State Sports Competition (Athletics)	27/02/25	5	Inter Engineering Diploma Students Sports Association	Participation	Zonal and State	PO-7

Table 2.33: Institute Level Extra Curricular Activities

Sr. No.	Types of Activities and Details (Paper Presentation / Project / Quiz / etc.)	Date	No. of Beneficiery	Organizing Body	Awards (Winner/ Participation)	Level (State / National / etc.)	Relevance To POs and PEO (only Numbers)
1	Cleanliness Awareness Drive	9/9/25	19	MM Polytechnic	Participation	Institute Level	PO-5
2	Tree Plantation Drive	12/09/2024	19	MM Polytechnic	Participation	Institute Level	PO-5
3	Thalassemia and Diabetes Awareness Session	20/9/24	167	Finolex/Mukul Madhav Foundation	Participation	Institute Level	PO-7
4	Blood Donation Camp & Eye Donation Awareness Session	27/03/25	96	NSS Unit MM Polytechnic	Participation	Institute Level	PO-7
5	One day special camp on water Campaign, Tree Plantation and Cleanliness Drive at Shindgaon	5/3/25	96	MM Polytechnic	Participation	Institute Level	PO-5
6	NSS Volunteers Activity in collaboration with PCMC Election Officer & Team	28/11/24	102	MM Polytechnic	Participation	Institute Level	PO-7
7	NSS Volunteers Activity in collaboration with Kalewadi Police Station	28/11/24	30	MM Polytechnic	Participation	Institute Level	PO-7
8	NSS Volunteers Activity in collaboration with PCMC Smart City, Clean City Department	20/01/25	55	PCMC Smart City, Clean City Department	Participation	Institute Level	PO-5
9	Inauguration of Butterfly Garden	15/02/25	35	MM Polytechnic	Participation	Institute Level	PO-5

CAYm2 (2023-24):

Table 2.34: Zonal & State Sports Competition (IEDSSA)

Sr. No.	Types of Activities and Details (Paper Presentation / Project / Quiz / etc.)	Date	No. of Beneficiery	Organizing Body	Awards (Winner/ Participation)	Level (State / National / etc.)	Relevance to POs and PEO (only Numbers)
1	Zonal & State Sports Competition of Cricket	7/2/2024	5	IEDSSA	Runner up	State	PO7, PEO3
2	Zonal & State Sports Competition of Football	24/01/2024	2	IEDSSA	Runner up	State	PO7, PEO3
3	Zonal & State Sports Competition of Kabaddi	31/01/2024	4	IEDSSA	Participate	State	PO7, PEO3

Table 2.35: Institute Level Extra Curricular Activities

Sr. No.	Types of Activities and Details (Paper Presentation / Project / Quiz / etc.)	Date	No. of Beneficiery	Organizing Body	Awards (Winner/ Participation)	Level (State / National / etc.)	Relevance to POs and PEO (only Numbers)
1	Mamitram Sports competition	4/01/2024 to 06/01/2024	150	M.M. Polytechnic	Winner, Runner up, Participation	Institute	PO7, PEO3
2	Departmental Representation to Ganesha	19/08/2023	20	M.M. Polytechnic	Winner	Institute	PO6, PO7, PEO4
3	Rangoli Competation	23/10/2023	2	M.M. Polytechnic	Winner	Institute	PO7, PEO4
4	Infosys Springboard	28/02/2024	40	M.M. Polytechnic	Participation	Institute	PO6, PO7, PEO1, PEO2
5	Clean City Smart City Marathon	25/02/2024	1000	M.M. Polytechnic	Participation	Institute	PO5, PO6, PO7
6	Blood Donation Camp	26/02/2024	50	M.M. Polytechnic	Participation	Institute	PO5, PO7
7	NSS (National Service Scheme) NGO visit	02/03/2024	56	M.M. Polytechnic	Participation	Institute	PO5, PO7
8	NSS (National Service Scheme) Camp	10/03/2024	10	M.M. Polytechnic	Participation	Institute	PO5, PO7
9	Unnat Maharashtra Abhiyan	10/03/2024	56	M.M. Polytechnic	Participation	Institute	PO5, PO7

3 COURSE OUTCOMES AND PROGRAM OUTCOMES (100)

Total Marks 90.00

Define the Program specific outcomes

PSO1	Equipment and Instruments: Maintain equipment a
PSO2	Mechatronics Processes: Manage Mechatronics proc

3.1 Establish the correlation between the courses and the POs and PSOs (20)

Total Marks 18.00

3.1.1 Course Outcomes (SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses) (5)

Institute Marks

5.00

Note : Number of Outcomes for a Course is expected to be 3 to 5.

Course Name : C1 01 **Course Year :** 2025-26

Course Name	Statements
C1 01.1	Apply the concepts of algebra to solve engineering (discipline) related problems.
C1 01.2	Utilize trigonometry to solve branch specific engineering problems.
C1 01.3	Solve area specific engineering problems under given conditions of straight lines.
C1 01.4	Apply differential calculus to solve discipline specific problems.
C1 01.5	Use techniques and methods of statistics to crack discipline specific problems.

Course Name : C1 07 **Course Year :** 2025-26

Course Name	Statements
C1 07.1	Draw geometrical figures and engineering curves.
C1 07.2	Apply principles of orthographic projections for drawing given pictorial views.
C1 07.3	Draw isometric views of given component or from orthographic projections.
C1 07.4	Use various drawing codes, conventions and symbols as per IS SP-46 in engineering drawing.
C1 07.5	Draw free hand sketches of given engineering elements.

Course Name : C2 01 **Course Year :** 2025-26

Course Name	Statements
C2 01.1	Construct an auxiliary view of given object.
C2 01.2	Use convention for representation of material and mechanical components..
C2 01.3	Interpret and draw production drawing.
C2 01.4	Prepare assembly drawing using given details.
C2 01.5	Prepare detail drawing based on the given assembly drawing/data

Course Name : C2 04 **Course Year :** 2025-26

Course Name	Statements

C2 04.1	Apply various performance characteristics of measuring instruments.
C2 04.2	Select relevant mechanical transducers for measuring required parameters.
C2 04.3	Choose suitable transducers for measuring pressure and temperature.
C2 04.4	Select relevant transducers for level and flow measurement.
C2 04.5	Use suitable signal conditioning and data acquisition system.

Course Name :	C3 01	Course Year :	2025-26

Course Name	Statements
C3 01.1	Select appropriate green fuels for various applications for considering environmental sustainability
C3 01.2	Apply the principles of Autonomous and Sustainable maintenance practices in industry to improve equipment reliability and efficiency
C3 01.3	Identify the levels of autonomy in various mobility systems.
C3 01.4	Use data analytics techniques to improve manufacturing processes and systems.
C3 01.5	Utilize automated equipment and technologies for various agricultural applications.

Course Name :	C3 05	Course Year :	2025-26

Course Name	Statements
C3 05.1	Apply different industrial maintenance methods.
C3 05.2	Troubleshoot electrical and electronic systems in industry.
C3 05.3	Troubleshoot mechanical systems in industry.
C3 05.4	Troubleshoot industrial robotics systems.

3.1.2 CO-PO matrices of courses selected in 3.1.1(Six matrices to be mentioned; one per semester from 1st to 6th semester) (5) — Institute Marks: 5.00

1 . course name : C201

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C101.1	3	2	1	2	2	2	2
C101.2	3	2	1	2	2	2	2
C101.3	3	-	1	2	1	-	-
C101.4	3	2	2	2	1	2	-
C101.5	3	2	2	2	2	2	-
Average	**3.00**	**2.00**	**1.40**	**2.00**	**1.60**	**2.00**	**2.00**

2 . course name : C207

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C107.1	3	-	2	2	-	3	-
C107.2	3	-	2	2	-	3	-
C107.3	3	-	2	2	-	3	-
C107.4	3	-	2	2	-	3	-
C107.5	3	-	2	2	-	3	-
Average	**3.00**	**0.00**	**2.00**	**2.00**	**0.00**	**3.00**	**0.00**

3 . course name : C301

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C201.1	2	2	2	-	2	-	2
C201.2	3	3	2	-	2	-	2
C201.3	3	3	2	-	2	-	2
C201.4	3	2	2	-	2	-	2
C201.5	3	2	2	-	2	-	2
Average	**2.80**	**2.40**	**2.00**	**0.00**	**2.00**	**0.00**	**2.00**

4 . course name : C304

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C204.1	3	2	-	2	2	-	2
C204.2	3	2	3	2	2	3	2
C204.3	3	2	3	2	2	3	2
C204.4	3	2	3	2	2	3	2
C204.5	3	2	3	2	2	3	2
Average	**3.00**	**2.00**	**3.00**	**2.00**	**2.00**	**3.00**	**2.00**

5 . course name : C401

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C301.1	2	1	1	1	3	1	2
C301.2	2	3	2	2	3	2	2
C301.3	2	2	2	1	2	1	2
C301.4	3	3	2	3	2	2	2
C301.5	2	2	3	3	3	2	2
Average	**2.20**	**2.20**	**2.00**	**2.00**	**2.60**	**1.60**	**2.00**

6 . course name : C405

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C305.1	3	2	2	2	2	2	2
C305.2	3	3	2	3	2	1	2
C305.3	3	3	2	3	2	1	2
C305.4	3	3	3	3	2	2	3
Average	**3.00**	**2.75**	**2.25**	**2.75**	**2.00**	**1.50**	**2.25**

1 . Course Name : C201

Course	PSO1	PSO2
C101.1	-	2
C101.2	-	2
C101.3	-	2
C101.4	-	2
C101.5	-	2
Average	**0.00**	**2.00**

2 . Course Name : C207

Course	PSO1	PSO2
C107.1	1	-
C107.2	3	-
C107.3	3	-
C107.4	1	2
C107.5	-	2
Average	**2.00**	**2.00**

3 . Course Name : C301

Course	PSO1	PSO2
C201.1	3	-
C201.2	3	-
C201.3	-	2
C201.4	-	-
C201.5	-	-
Average	**3.00**	**2.00**

4 . Course Name : C304

Course	PSO1	PSO2
C204.1	3	3
C204.2	2	3
C204.3	2	3

C204.4	3	3
C204.5	2	3
Average	**2.40**	**3.00**

5 . Course Name : C401

Course	PSO1	PSO2
C301.1	2	2
C301.2	3	3
C301.3	2	2
C301.4	2	3
C301.5	3	3
Average	**2.40**	**2.60**

6 . Course Name : C405

Course	PSO1	PSO2
C305.1	3	2
C305.2	3	3
C305.3	3	3
C305.4	3	3
Average	**3.00**	**2.75**

3.1.3 - A Program level Course-PO matrix of all courses INCLUDING first year courses (10) — Institute Marks: 8.00

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C1101	3.00	2.00	1.40	2.00	1.60	2.00	2.00
C1102	2.00	2.00	0.00	0.00	0.00	2.00	2.00
C1103	3.00	2.50	2.00	2.50	3.00	2.00	2.00
C1104	2.83	0.00	0.00	3.00	3.00	2.00	3.00
C1105	2.00	0.00	0.00	0.00	3.00	2.00	3.00
C1106	3.00	0.00	3.00	2.80	2.20	3.00	2.00
C1107	3.00	0.00	2.00	2.00	0.00	3.00	0.00
C1201	3.00	3.00	3.00	2.25	2.00	2.00	2.20
C1202	3.00	2.83	3.00	2.16	2.50	2.50	2.00
C1203	3.00	2.67	3.00	2.33	3.00	3.00	2.00
C1204	2.00	2.00	2.00	3.00	2.00	0.00	2.00
C1205	3.00	2.00	3.00	2.00	0.00	2.00	2.00
C1206	3.00	3.00	2.00	0.00	3.00	3.00	3.00
C1207	3.00	3.00	3.00	3.00	2.80	2.80	3.00
C2301	2.80	2.40	2.00	0.00	2.00	0.00	2.00
C2302	3.00	2.00	2.00	3.00	2.00	3.00	3.00
C2303	3.00	3.00	2.00	3.00	2.80	0.00	2.00
C2304	3.00	2.00	3.00	2.00	2.00	3.00	2.00
C2305	3.00	2.20	3.00	3.00	3.00	2.20	2.20
C2306	1.00	2.00	0.00	1.50	3.00	0.00	3.00
C2307	2.00	3.00	3.00	3.00	0.00	0.00	2.00
C2401	1.00	1.80	2.40	0.00	3.00	2.20	2.60
C2402	3.00	3.00	3.00	1.80	1.60	1.00	2.50
C2403	2.00	1.80	2.20	2.50	2.00	0.00	3.00
C2404	2.40	3.00	2.40	2.00	2.00	2.60	3.00
C2405	3.00	2.00	2.00	2.00	2.50	2.00	2.60
C2406	2.00	2.00	2.00	2.00	0.00	3.00	2.00
C2407	2.20	2.00	2.00	2.00	2.80	2.40	3.00
C3501	1.20	1.20	2.40	2.20	2.80	2.80	2.00
C3502	2.00	2.00	3.00	3.00	2.00	3.00	2.00
C3503	3.00	2.40	2.40	2.40	2.20	2.60	2.60
C3504	2.60	2.20	2.40	2.60	2.20	2.00	2.40
C3505	3.00	2.50	2.60	2.00	2.00	2.60	2.20
C3506	1.67	1.67	2.33	2.00	2.00	2.00	2.00
C3507	2.00	2.50	2.83	2.50	3.00	2.00	2.25
C3601	2.40	3.00	2.80	3.00	3.00	3.00	3.00

3.1.3 - B Program level Course-PSO matrix of all courses INCLUDING first year courses

Course	PSO1	PSO2
C1101	0.0	2
C1102	0.0	0.0
C1103	2.33	2
C1104	3	3
C1105	0.0	0.0
C1106	2	3
C1107	2.0	2
C1201	0.0	0.0
C1202	2.33	2.5
C1203	0.0	0.0
C1204	1.00	0.0
C1205	03	3
C1206	0	0
C1207	0	0
C2301	3	2
C2302	3.0	3.0
C2303	3	3
C2304	2.40	3
C2305	2.60	2
C2306	0	0
C2307	0.0	2
C2401	2.60	2.80
C2402	3.0	2.67
C2403	3	3
C2404	3	2.60
C2405	2.80	2.20
C2406	0	2
C2407	2	2
C3501	2.20	2.20
C3502	2.0	2.0
C3503	3	3
C3504	2.20	2.40
C3505	2	2.40
C3506	0.0	3
C3507	2	2
C3601	3.0	3.0

3.2 Attainment of Course Outcomes (40) — Total Marks 37.00

3.2.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based (10) — Institute Marks: 9.00

MSBTE has specified different assessment tools in assessment norms which are direct measure of performance of the students. The processes used to gather data for these tools are described below.

- Direct Assessment Tools: Class tests, SLA assignments/microprojects, term work.
- External Assessment Tools: MSBTE theory, practical, and oral examinations.
- Weightage Distribution: Internal – 30%, External – 70%.
- Evidence Maintained: Question papers, moderation records, model answers, evaluation sheets, project reports, attendance records, MSBTE result sheets.

1. Class Tests

- Structure: Two class tests are conducted each semester (mid-term and end-term) strictly as per the MSBTE academic calendar.
- Evaluation: Bitwise marks are analyzed for each student. Attainment is calculated based on the percentage of students scoring above the defined target threshold (e.g., 40% or 50%).
- Outcome Contribution: Provides direct evidence of student learning and contributes to 30% of internal assessment weightage.

2. Self-Learning Assessment (SLA)

- Activities: Assignments, tutorials, and microprojects are given to students to encourage independent learning and application of concepts.
- Evaluation: These are assessed by the course coordinator, and marks are forwarded to calculate attainment of course.

3. Term Work

- Components: Includes laboratory experiments, practical performance, and progressive assessment.
- Evaluation: Continuous evaluation is carried out after completion of every experiment. Student performance is recorded and integrated into final term work marks.
- Outcome Contribution: Forms part of internal assessment (30%) and directly supports COs related to practical skills.

4. MSBTE End-Semester Examination

- Structure: Conducted by MSBTE with two components – Theory and Practical/Oral examinations.
- Outcome Contribution: Accounts for 70% of external assessment weightage are considered for calculation of attainment of course outcomes.

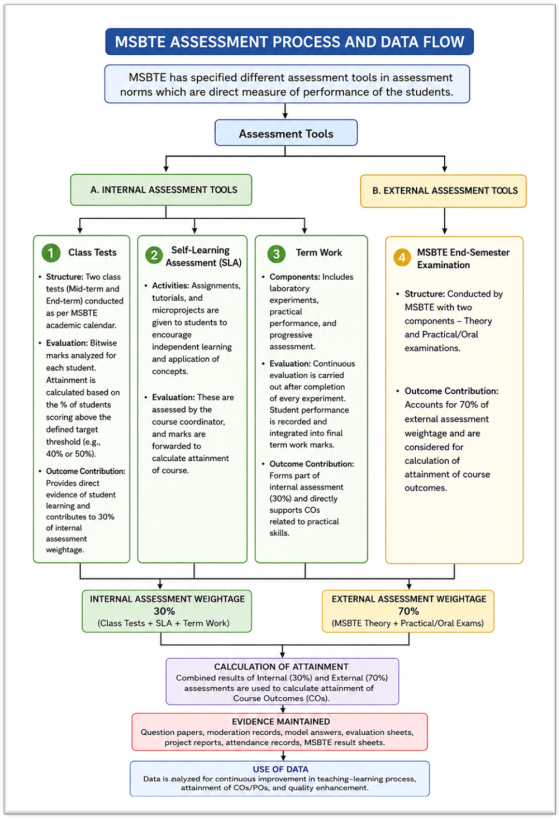


Fig.3.1 Process of Internal and External Assessment

3.2.2 Record the attainment of Course Outcome of all courses with respect to set attainment levels (30) — Institute Marks: 28.00

1. Setting of course Attainment Target

- Attainment levels are defined considering **average performance in MSBTE Board examinations** over the assessment years.
- Each course outcome (CO) is mapped to relevant **Program Outcomes (POs)** and **Program Specific Outcomes (PSOs)**.
- Course targets serve as benchmarks for calculating attainment during evaluation.
- Following table shows a course **target** set for attainment.

%of Course Target	First Year	Second Year	Third Year
	40	43	46

CRITERION: 03

Class:TYMK	Course: MK5I	Year: 2024-25	Subject: Industrial Robotics	Subject Code: 22587	Staff Name:Mr. Prasad A Jadhav

CO - PO MAPPING AND CO - PSO MAPPING

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7
MK5I04.1	3	2	3	2	2	2	2
MK5I04.2	3	3	2	3	3	2	2
MK5I04.3	3	2	3	3	2	2	3
MK5I04.4	2	2	2	2	2	2	2
MK5I04.5	2	2	2	3	2	2	3
Total	13	11	12	13	11	10	12
Correlation Level	2.60	2.20	2.40	2.60	2.20	2.00	2.40

Course Outcome	PSO1	PSO2	
MK5I04.1	2	2	
MK5I04.2	2	3	
MK5I04.3	2	3	
MK5I04.4	3	2	
MK5I04.5	2	2	
0			
TOTAL	11	12	0
Correlation Level	2.20	2.40	

Course Target %	49

Fig.3.2 Course Target Set for Attainment calculation

2. Internal Assessment Contribution (30%)

- **Class Tests**: Two per semester, mapped to COs and Bloom's levels.
- **Self-Learning Assessment (SLA)**: Assignments/microprojects evaluated by course coordinators.
- **Term Work**: Practical performance and progressive assessment included.
- Attainment is calculated as the percentage of students scoring above the set target marks in each component.

MEASURING CO ATTAINMENT TH

CLASS TEST-I

Roll No	QUESTIONS	Q1_ANY 4_8 MARKS								Q2_ANY3_12 MARKS								CO1	Total Attempmted	%	Score based o scale o 3
	COURSE OUTCOMES	CO1	CO1	CO1	CO2	CO2				CO1	CO1	CO2	CO2	CO3							
	SUB QUESTIONS	A	B	C	D	E				A	B	C	D	E							
	Max. marks	2	2	2	2	2				4	4	4	4	4				14			
210502	ATHARVA ATUL LONDHE	1	1	2	2	0				2		1	1					6	10	60	Y
210503	BAGALE KALYANI KISHOR	2	2	2		2				2	0		4					8	14	57.143	Y
220418	KAKADE MAYUR HANUMANT	2	2	2	2	2				4	3	1	4	4				13	14	92.857	Y
220501	ANKADE POONAM DNYANESHWAR	2	2	2	2					4	3		4	4				13	14	92.857	Y
220502	B S AKASH BALA	2	1	2	2					3			4	3				8	10	80	Y
220504	CHAVAN TANVI JAYSING	1		2		2				1	1		2					5	12	41.667	N
220507	DHRUV ANOOP SAXENA	2	1	2	0	2				3	4		4	4				12	14	85.714	Y
220513	GUGALE SIDDHI MAHESH	2	2	2	2	2				3	3	4	4	4				12	14	85.714	Y
	Total Number of Students Attempted Question	43	38	41	30	31	0	0	0	37	26	20	32	29	0	0	0	Average CO1		80.87	97.67

	CO1	CO2	CO3
Average % of CO	97.67	95.35	96.3

Fig.3.3 Measuring attainment through Class Test

MEASURING CO ATTAINMENT THROUGH SLA (Self Learning Assessment) / Microproject

Roll No.	Name of Student	SLA / Microproject	
		Microproject	Y/N
	Marks	10	
210502	ATHARVA ATUL LONDHE	10	Y
210503	BAGALE KALYANI KISHOR	10	Y
220418	KAKADE MAYUR HANUMANT	8	Y
220501	ANKADE POONAM DNYANESHWAR	8	Y
220502	B S AKASH BALA	10	Y
220504	CHAVAN TANVI JAYSING	10	Y
220507	DHRUV ANOOP SAXENA	8	Y
220513	GUGALE SIDDHI MAHESH	8	Y
220514	GUNJAL SATYAM SANDIP	10	Y
	CO Attainment	SLA / Microproject	
	Total No. of students (M)	43	100.00
	Total No. of students (N)	0	0.00

Fig. 3.4 Measuring attainment through Self Learning Assessment

Total No Of Experiment	No of Experiment on perticular CO	Course Outcome with weitage					
		MK5I04.1	MK5I04.2	MK5I04.3	MK5I04.4	MK5I04.5	0
		2	1	5	2	2	
12	% Waitage of CO	16.6667	8.33333333	41.6667	16.6666667	16.6667	0

Roll No.	Name of Student	PR-PA	MK5I04.1		MK5I04.2		MK5I04.3		MK5I04.4		MK5I04.5		0	
	Marks	25	4.1666667	Y/N	2	Y/N	10.416667	Y/N	4.16666667	Y/N	4.16666667	Y/N		Y/N
210502	ATHARVA ATUL LONDHE	19	3.1666667	Y	1.583333333	Y	7.91666667	Y	3.16666667	Y	3.16666667	Y		
210503	BAGALE KALYANI KISHOR	21	3.5	Y	1.75	Y	8.75	Y	3.5	Y	3.5	Y		
220418	KAKADE MAYUR HANUMANT	22	3.6666667	Y	1.833333333	Y	9.16666667	Y	3.66666667	Y	3.66666667	Y		
220501	ANKADE POONAM DNYANESHWAR	22	3.6666667	Y	1.833333333	Y	9.16666667	Y	3.66666667	Y	3.66666667	Y		
220502	B S AKASH BALA	23	3.8333333	Y	1.916666667	Y	9.58333333	Y	3.83333333	Y	3.83333333	Y		
220504	CHAVAN TANVI JAYSING	22	3.6666667	Y	1.833333333	Y	9.16666667	Y	3.66666667	Y	3.66666667	Y		

CO Attainment		MK5I04.1		MK5I04.2		MK5I04.3		MK5I04.4		MK5I04.5		0	
Total No. of students (M)		43	100.00	43	100.00	43	100.00	43	100.00	43	100.00	0	
Total No. of students (N)		0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	
CO Attainment		MK5I04.1	100.00	MK5I04.2	100.00	MK5I04.3	100.00	MK5I04.4	100.00	MK5I04.5	100.00	0	

Fig. 3.5 Measuring attainment through Term Work

3. External Assessment Contribution (70%)

- **MSBTE End-Semester Examination**: Theory, practical, and oral exams conducted under board guidelines.
- Attainment is calculated based on the number of students achieving above the benchmark score.

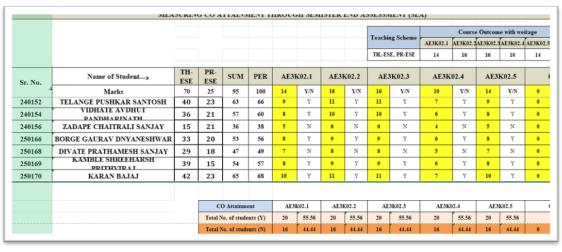


Fig. 3.6 Measuring attainment through MSBTE End-Semester Examination

4. Integration of assessment result

- Internal (30%) and External (70%) attainment scores are combined for each CO.
- Formula:

CO Attainment = (0.3 × Internal Attainment) + (0.7 × External Attainment)

- Final attainment levels are mapped to **Program Outcomes (POs)** and **Program Specific Outcomes (PSOs)** through CO–PO/PSO matrices.

MEASURING CO ATTAINMENT THROUGH CONTINUOUS INTERNAL ASSESSMENT

CIA CALCULATIONS						
CO Attainment	**MK5I04.1**	**MK5I04.2**	**MK5I04.3**	**MK5I04.4**	**MK5I04.5**	**0**
CLASS TEST 1	97.67	95.35	96.30			
CLASS TEST 2			100.00	97.67	97.56	
PR-PA	100.00	100.00	100.00	100.00	100.00	
CHAPTER WISE TEST						
SLA	100.00	100.00	100.00	100.00	100.00	
TOTAL ATTAINMENT	**99.22**	**98.45**	**99.07**	**99.22**	**99.19**	

Fig.3.7 Integration of assessment result

5.TOTAL CO ATTAINMENT Continous Internal Assessment (CIA) and Semister End Assessment(SEA)

Program has set course outcome attainment level for all courses. To measure course outcome attained target level is stated as percentage of students getting more than the level selected by program.

Level	Target			
1	60	% of Students to get	51	% Marks
2	65			
3	70			

Program defined attainment levels vs. target for Internal and Board Exams are,

Attainment Level	Target Level
Level 1	60% students got 51% of marks in all internal and external assessment then considered to be attainment of "1"
Level 2	65% students got 51% of marks in all internal and external assessment then considered to be attainment of "2"
Level 3	70% students got 51% of marks in all internal and external assessment then considered to be attainment of "3"

TOTAL CO ATTAINMENT (CIA + SEA)

CIA CALCULATIONS						
CO Attainment	**MK5I04.1**	**MK5I04.2**	**MK5I04.3**	**MK5I04.4**	**MK5I04.5**	**0**
Total % of students meet attainment	**99.22**	**98.45**	**99.07**	**99.22**	**99.19**	

SEA CALCULATIONS						
CO Attainment	**MK5I04.1**	**MK5I04.2**	**MK5I04.3**	**MK5I04.4**	**MK5I04.5**	**0**
Total % of students meet attainment	**100.00**	**100.00**	**100.00**	**100.00**	**100.00**	

(30%*CIA + 70%*SEA) CALCULATIONS						
CO Attainment	**MK5I04.1**	**MK5I04.2**	**MK5I04.3**	**MK5I04.4**	**MK5I04.5**	**0**
SUMMATION OF CIA % + SEA %	**99.77**	**99.53**	**99.72**	**99.77**	**99.76**	

Fig.3.8 Total CO Attainment

CO PO AND PSO ATTAINMENT

CO ATTAINMENT					
MK5I04.1	MK5I04.2	MK5I04.3	MK5I04.4	MK5I04.5	0
99.77	99.53	99.72	99.77	99.76	
Level 3	3	3	3	3	

Level	Target			
1	60	% of Students to get	49	% Marks
2	65			
3	70			

CO-PO AND CO-PSO MATRICES

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
MK5I04.1	3	2	3	2		2	2	2	2	
MK5I04.2	3	3	2	3	3	2	2	2	3	
MK5I04.3	3	2	3	3		2	3	2	3	
MK5I04.4	2	2	2	2	2	2	2	3	2	
MK5I04.5	2	2	2	3	2	2	3	2	2	
0										
TOTAL	13	11	12	13	7	10	12	11	12	0
Correlation Level	2.60	2.20	2.40	2.60	2.20	2.00	2.40	2.20	2.40	

DIRECT CO - PO & CO - PSO ATTAINMENT

Course Outcome / Program Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
MK5I04.1	3.00	2.00	3.00	2.00		2.00	2.00	2.00	2.00	
MK5I04.2	3.00	3.00	2.00	3.00	3.00	2.00	2.00	2.00	3.00	
MK5I04.3	3.00	2.00	3.00	3.00		2.00	3.00	2.00	3.00	
MK5I04.4	2.00	2.00	2.00	2.00	2.00	2.00	2.00	3.00	2.00	
MK5I04.5	2.00	2.00	2.00	3.00	2.00	2.00	3.00	2.00	2.00	
0										
Avaerge	2.60	2.20	2.40	2.60	2.33	2.00	2.40	2.20	2.40	

Fig.3.9 Final CO PO PSO Attainment

3.3 Attainment of Program Outcomes and Program Specific Outcomes (40) — **Total Marks 35.00**

3.3.1 Describe assessment tools and processes used for assesing the attainment of each POs and PSOs as mentioned in Annexure 1 (10) — Institute Marks: 9.00

3.3.1. Describe assessment tools and processes used for assessing the attainment of each POs and PSOs as mentioned in Annexure 1 (10)

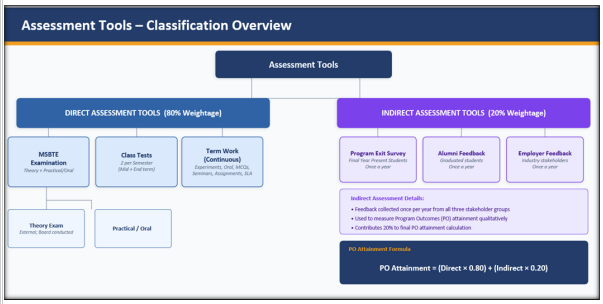


Fig 3.10 Assessment Tools for CO attainment

Assessment Tools

Assessment tools are broadly classified into two categories: **Direct Assessment Tools** and **Indirect Assessment Tools**.

Direct Assessment Tools

Direct Assessment Tools comprise three components: **MSBTE Examinations**, **Class Tests**, and **Term Work**.

MSBTE Examinations consist of two components — Theory and Practical/Oral — conducted at the end of each semester.

Term Work is assessed continuously as per the CIAAN (Curriculum Implementation and Assessment) norms of MSBTE and includes the following components: experiments, oral examinations, MCQs, seminars, information gathering, group discussions, report writing, and industrial visits.

Class Tests are conducted progressively — one mid-semester and one at the end of the term. Questions are designed in alignment with Course Outcomes. Assignments and practice tests based on Course Outcomes are also administered to support student preparation and improve performance.

Indirect Assessment Tools

Indirect Assessment Tools capture qualitative feedback from key stakeholders, including **Final Year Students** (through the Program Exit Survey), **Alumni**, and **Employers**. This feedback is collected once per academic year.

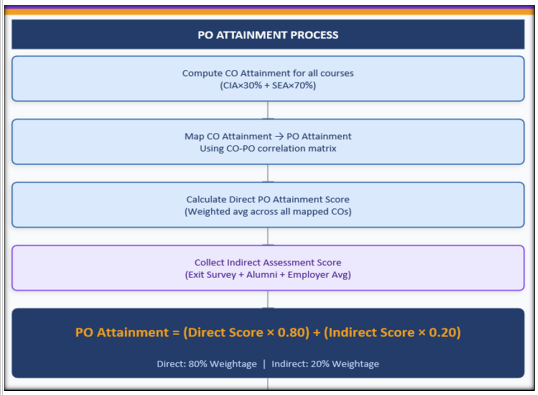


Fig 3.11 PO Attainment Process

Program Outcome (PO) attainment is determined based on the combined results of direct and indirect assessments. A weightage of **80%** is assigned to direct assessment and **20%** to indirect assessment, as per the institutional assessment policy.

PO Attainment = (Direct Assessment Score × 0.80) + (Indirect Assessment Score × 0.20)

3.3.2 Provide results of evaluation of each PO & PSO (30) | Institute Marks

26.00

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C1101	2	1.33	0.93	1.33	1.07	1.33	1.33
C1102	2	2	0	0	0	2	2
C1103	3	2.5	2	2.5	3	2	2
C1104	2.83	0	0	3	3	2	3
C1105	2	0	0	0	3	2	3
C1106	3	0	3	2.80	2.20	3	2
C1107	3	0	2	2	0	3	0
C1201	3	3	3	2.25	2	2	2.20
C1202	3	2.33	3	2.16	2.5	2.5	2
C1203	3	3	2	2	0	2	2
C1204	2	2	2	3	2	0	2
C1205	3	2	3	2	0	2	2
C1206	3	3	2	0	3	3	3
C1207	3	3	3	3	2.80	2.80	3
C1301	2.80	2.40	2	0	2	0	2
C1302	3	2	2	3	2	3	3
C1303	3	3	2	3	2.80	0	2
C1304	3	2	3	2	2	3	2
C1305	2.40	1.73	2.40	2.40	2.0	1.80	1.80
C1306	1	2	0	1.50	3	0	3
C1307	2	3	3	3	0	0	2
C1401	1	1.80	2.40	0	3	2.20	2.60
C1402	3	3	3	1.80	1.60	1	2.50
C1403	2	1.80	2.20	2.50	2	0	3
C1404	0.67	0.80	0.67	0.67	0.53	0.67	0.80
C1405	3	2	2	2	2.50	2	2.60
C1406	2	2	2	2	0	3	2
C1407	2.20	2	2	2	2.80	2.40	3
C1501	1.20	1.20	2.40	2.20	2.80	2.80	2
C1502	2	2	3	3	2	3	2
C1503	3	2.40	2.40	2.40	2.20	2.60	2.60
C1504	2.60	2.20	2.40	2.60	2.33	2	2.40
C1505	3	2.50	2.60	2	2	2.60	2.20
C1506	1.67	1.67	2.33	2	2	2	2
C1507	2	2.50	2.80	2.50	3	2	2.25
C1601	2.40	3	2.80	3	3	3	3

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	2.41	2.22	2.35	2.31	2.34	2.29	2.29

InDirect Attainment	2.26	2.28	2.29	2.27	2.28	2.30	2.27
PO Attainment	2.38	2.23	2.34	2.30	2.33	2.29	2.29

PSO Attainment

Course	PSO1	PSO2
C1101	0	1.33
C1102	0	0
C1103	2.33	2
C1104	3	3
C1105	0	0
C1106	2	3
C1107	2	2
C1201	0	0
C1202	2.33	2.5
C1203	0	0
C1204	1	0
C1205	3	3
C1206	0	0
C1207	0	0
C1301	3	2
C1302	3	3
C1303	3	3
C1304	2.40	3
C1305	2.13	1.60
C1306	0	0
C1307	0	2
C1401	2.60	2.80
C1402	3	2.67
C1403	3	3
C1404	0.80	0.67
C1405	2.80	2.20
C1406	0	2
C1407	2	2
C1501	2.20	2.20
C1502	2	2
C1503	3	3
C1504	2.20	2.40
C1505	2	2.40
C1506	3	3
C1507	2	2
C1601	3	3

PSO Attainment Level

Course	PSO1	PSO2
Direct Attainment	2.42	2.38
InDirect Attainment	2.31	2.34
PSO Attainment	2.40	2.37

4 STUDENTS' PERFORMANCE (200) — **Total Marks 144.02**

Institute Marks

Intake Information:

Table 4.1

Item	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)
Sanctioned intake strength of the program((N)	60	60	60	60	30	30
Total number of students, admitted through state level counseling (N1)	61	56	55	64	26	16
Number of students, admitted through Institute level quota (N2)	2	6	9	3	3	1
Number of students, admitted through Lateral Entry (N3)	0	8	11	8	8	8
Total number of students admitted in the programme(N1 + N2 + N3)	63	70	75	75	37	25

Table 4.2

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully passed without backlogs in any year of study		
		I year	II year	III year
2025-26	63	0	0	0
2024-25	70	31	0	0
2023-24	75	27	28	0
2022-23 (LYG)	75	25	22	22
2021-22 (LYGm1)	37	8	11	11
2020-21 (LYGm2)	25	14	15	15

Table 4.3

Year of entry	Total No of students admitted in the program(N1 + N2 + N3)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without Backlog]		
		I year	II year	III year
2025-26	63	0	0	0
2024-25	70	48	0	0
2023-24	75	46	51	0
2022-23 (LYG)	75	51	41	40
2021-22 (LYGm1)	37	27	19	19
2020-21 (LYGm2)	25	17	23	23

4.1 Enrolment Ratio (20) — **Total Marks 20.00**

Institute Marks

20.00

	N (From Table 4.1)	N1 + N2 (From Table 4.1)	Enrollment Ratio [(N1 + N2 / N)*100]
2025-26	60	63	105.00
2024-25	60	62	103.33
2023-24	60	64	106.67

Average [(ER1 + ER2 + ER3) / 3] : 105.00

Assessment : 20.00

4.2 Success Rate in the stipulated period of the program (60) — **Total Marks 29.07**

4.2.1 Success rate without backlogs in any year of study (40)

Institute Marks

16.00

Item	Last Year Graduate (2022-23)	Last Year Graduate Minus 1 Batch (2021-22)	Last Year Graduate Minus 2 Batch (2020-21)
Total Number of students (X) (admitted through state level counseling + admitted through Institute on Level quota + admitted through Lateral entry) (N1 + N2 + N3)	75.00	37.00	25.00
Number of students who have graduated without backlogs in the stipulated period (Y)	22.00	11.00	15.00
Success Index [SI = Y / X]	0.29	0.30	0.60

Average SI [(SI1 + SI2 + SI3) / 3] : 0.40

Assessment [40 * Average SI] : 16.00

4.2.2 Sucess rate in stipulated period (20)

Institute Marks

13.07

Item	Latest Year of Graduation, LYG (2022-23)	Latest Year of Graduation minus 1, LYGm1 (2021-22)	Latest Year of Graduation minus 2 LYGm2 (2020-21)
Total Number of students (X) (admitted through state level counseling + admitted through Institute on Level quota + admitted through Lateral entry) (N1 + N2 + N3)	75.00	37.00	25.00
Number of students who have passed in the stipulated period (Y)	40.00	19.00	23.00
Success Index [SI = Y / X]	0.53	0.51	0.92

Average SI[(SI1 + SI2 + SI3) / 3]: 0.65

Assessment [20 * Average SI] : 13.07

4.3 Academic Performance in First Year (25) Total Marks 12.52

Institute Marks

12.52

Academic Performance	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
Mean of CGPA or mean percentage of all successful students(X)	6.75	6.93	6.33
Total number of successful students(Y)	48.00	46.00	51.00
Totalnumber of students appeared in the examination(Z)	62.00	64.00	67.00
API [X*(Y/Z)]:	5.23	4.98	4.82

Average API [(AP1 + AP2 + AP3)/3] : 5.01

Assessment [2.5 * AverageAPI] : 12.52

4.4 Academic Performance in Second Year (20) Total Marks 10.09

Institute Marks

10.09

Academic Performance	2023-24(CAYm2)	2022-23(CAYm3)	2021-22(CAYm4)
Mean of CGPA or mean percentage of all successful students(X)	7.16	7.10	7.00
Total number of successful students (Y)	51.00	41.00	19.00
Total number of students appeared in the examination (Z)	57.00	59.00	35.00
API [X * (Y/Z)]	6.41	4.93	3.80

Average API [(AP1 + AP2 + AP3)/3] : 5.05

Assessment [2.0 * AverageAPI] : 10.09

4.5 Academic Performance in Final Year (15) Total Marks 12.34

Institute Marks

12.34

Academic Performance	2022-23 (LYG)	2021-22 (LYGm1)	2020-21(LYGm2)
Mean of CGPA or mean percentage of all successful students(X)	8.36	8.47	8.04
Total number of successful students(Y)	40.00	19.00	23.00
Totalnumber of students appeared in the examination(Z)	41.00	19.00	23.00
API [X*(Y/Z)]:	8.16	8.47	8.04

Average API [(AP1 + AP2 + AP3)/3] : 8.22

Assessment [1.5 * AverageAPI] : 12.34

4.6 Placement and Higher Studies (40) Total Marks 40.00

Institute Marks

40.00

Item	2022-23 (Last Year Graduate,LYG)	2021-22 (Last Year Graduate Minus 1 Batch,LYGm1)	2020-21 (Last Year Graduate Minus 2 Batch,LYGm2)
Total No of Final Year Students(N)	41.00	19.00	23.00
No of students placed in the companies or goverment sector(X)	3.00	5.00	7.00
No of students admitted to higher studies (Y)	36.00	14.00	16.00
No. of students turned entrepreneur in the respective field of engineering/technology (Z)	1.00	0.00	0.00
Placement Index [((1.25 * X) + Y + Z) / N] :	0.99	1.07	1.08

Average Placement [(P1 + P2 + P3)/3] : 1.05

Assessment [40 * Average Placement] : 42.00

Provide the placement data in the below mentioned format with the name of the program and the assessment year (separately for CAYm1, CAYm2 and CAYm3):

Program Name : Mechatronics

Assessment Year : 2024-25 (CAYm1)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	WAGH PRATHMESH RAJEN	23212280572	Sandvik Mining & Rock Tec	
2	SHAIKH HASHIR AHMED M	2209890380	Fame Auto Components So	
3	KAVITAKE ARYAN MAYUR	2209890354	Mechatronics Robotics Wak	

Assessment Year : 2023-24 (CAYm2)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	GHAVRI RIYA VINOD	2109890244	Thyssenkrupp India, Pune	
2	PURANIK RAGHAV MANISH	2109890259	P. N. Automation, Pune	
3	GITE JAYESH NANDU	2209890478	BSP Mecatech, LLP, Pune	
4	JAGTAP TEJAS LAXMAN	2209890480	BSP Mecatech, LLP, Pune	
5	PANASKAR PRATIK ANAND	2209890481	Prolofic Class PLC SCADA	

Assessment Year : 2022-23 (CAYm3)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	DAKE MEGHA BHARAT	2009890184	ATQ Pune	
2	DHOBALE LEENA RAHUL	2009890185	Real Tech Precision Engine	

3	KIRTIKAR SUSHIL DNYANC	2009890188	Motherson Pune	
4	OVHAL PRADNYA PRAVIN	2009890192	ATQ Pune	
5	MANE GAJANAN DILIP	2009890030	Bajaj Auto Ltd.Akurdi	
6	JANKAR RANJIT HEMANT	2109890295	Demech & CO Enggineerin	
7	PATTAR KAVERI MONAPPA	2109890298	TATA Motor	

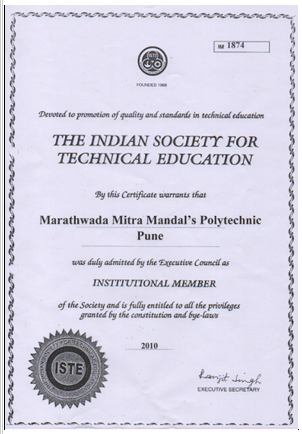
4.7 Professional Activities (20) — **Total Marks 20.00**

4.7.1 Professional socities/ student chapters and organizing technical events (10)	Institute Marks
	10.00

A. Availability of Professional Societies/Chapters & Relevant activities (5) — Institute Marks: 5.00

1. Lifetime Institutional Membership of ISTE (Membership ID: 1874)

- The institute holds lifetime Institutional Membership of The Indian Society for Technical Education (ISTE), Membership ID: 1874. ISTE is a national professional organization dedicated to promoting quality and standards in technical education.



2. Mechatronics Engineering Students' Association (SAME)

- Establishment of Association: The Department of Mechatronics Engineering has established the Students' Association of Mechatronics Engineering (SAME) under the guidance of Dr. Prasad A. Jadhav and coordinated by Mrs. Sharmila Bhosale.
- Structure of Association: SAME comprises Second Year (SY) and Third Year (TY) students and promotes leadership, teamwork, and technical competency.
- Faculty Coordination: The association functions under the supervision of a dedicated Faculty Coordinator for effective execution of activities.
- Student Development Platform: SAME provides opportunities for students to participate in technical, co-curricular, cultural, and professional development activities.

3. The International Association of Engineers (IAENG)

- The International Association of Engineers (IAENG) is an internationally recognized professional organization committed to promoting the advancement of engineering, technology, and scientific research. It provides a global platform for engineers, academicians, researchers, and professionals to exchange technical knowledge, collaborate on research activities, and enhance professional competencies. IAENG supports innovation, academic excellence, and continuous professional development through international conferences, publications, and professional networking opportunities.

IAENG INTERNATIONAL ASSOCIATION OF ENGINEERS

Date: 20 May 2026

To Whom It May Concern:

Official Letter for the IAENG Membership

Member Name: Nitin Gaikwad

Member Number: 566346 (since 20 May 2026)

IAENG is a non-profit international association for the engineers and the computer scientists. IAENG has been found by a group of engineers and computer scientists from over thirty different countries. Our goals are to promote the co-operation between the professionals in various fields of the engineering and to cultivate an environment for the advance and development of the technology. Our objectives include:

- Promoting the interactions between the engineers;
- Advancing the application of engineering techniques from the academics to the industry;
- Facilitating the exchange of information and ideas among the engineers and scientists finely.

This letter is to certify that the above person is an IAENG member. For the information about IAENG Membership, please visit our website http://www.iaeng.org/membership.html

If you have any question, you are very welcome to contact us at any time.

Best regards,
IAENG Secretariat
International Association of Engineers (IAENG)
http://www.iaeng.org
Email: member@iaeng.org

WEBSITE: http://www.iaeng.org • EMAIL: info@iaeng.org • IAENG SECRETARIAT ADDRESS: Unit 03, 20/F, 7 Sibing Yip Street, Hong Kong

B. Number, quality of engineering events (5) — Institute Marks: 5.00

Table No. Number, Quality of Engineering Events

Sr. No.	Academic Year	Name of Engineering Event	Type of Event (Seminar/Workshop/ Expert Lecture/Competition/Industrial Visit)	Department	Date	No. of Participants	Resource Person / Industry Expert	Industry/Institute Affiliation	Outcome / Quality Indicators
1	2025-26	NXT-GEN 2K26	Technical Competition	Mechatronics	14-03-2026	57	Mr. Rushikesh Kushire Mr. Pranay Subhedar	Datamatics Professional Service Ltd Tata Technologies	Practical exposure provided. Innovation and teamwork promoted.
2		Guest Lecture on Application of IoT in Mechatronics	Expert Lecture	Mechatronics	04-08-2025	50	Mr. C.P.Mahajan	Dolphin Labs Embedded Systems Pvt. Ltd.	Knowledge of IoT applications enhanced. Industry interaction encouraged.
3		Guest Lecture on Drone Technology	Expert Lecture	Mechatronics	11-10-2025	53	Mr. Nikhil Baravkar	Passenger Drone Research Ltd, Nashik	Awareness about drone technology created. Technical knowledge improved.
4		Industrial Visit IFEX-2026 Held at NESCO Centre, Mumbai	Industrial Visit	Mechatronics	13-02-2026	37	Mr. Nitin Gaikwad	IFEX-2026 Held at NESCO Centre, Mumbai	Industrial exposure provided. Understanding of latest technologies enhanced.
5		Workshop on IOT	Workshop	Mechatronics	18/09/26 to 20/09/26	56	Mr. C.P.Mahajan	Dolphins Labs Embedded System (OPS) Pvt.Ltd.	Hands-on learning on IoT technologies provided. Practical skills enhanced.
6		Workshop on EV Fundamentals & Charging System	Workshop	Mechatronics	18/09/2025 to 20/09/2025	43	Mr. Shubham Shinde	GTT Foundation	Knowledge of EV systems and charging technology improved. Industry-oriented learning promoted.
7	2024-25	IOT (AURDINO & RASPBERRY PIE Interface) Workshop	Workshop	Mechatronics	16/8/2024 to 19/8/2024	34	Atharva Aniruddha Gaopande	Robota Classroom & Solutions Pune	Practical IoT interfacing knowledge enhanced. Hands-on skills developed.
8		Industrial Automation (PLC & SCADA) workshop	Workshop	Mechatronics	15/10/2024 to 18/10/2024	52	Mr. Irshad Ali Sir	World of Automation Pune	PLC and SCADA knowledge improved. Automation concepts understood.
9		workshop on Underground electrical cables	Workshop	Mechatronics	14-09-2024	50	Mr. Pradeep Ramrakhiani,	Ravin Cables Limited Pune	Awareness of underground electrical cable systems created. Industry-oriented learning promoted.
10		National Level Online Quiz Competition- Innovation In Mechatronics	Technical Competition	Mechatronics	12-03-2025	50	Mr. Nitin Gaikwad	Marathwada Mitra Mandals Polytechnic Pune	Innovation and technical aptitude encouraged. Competitive learning promoted.
11		Technofest 2k25 - A state Level Technical Event	Technical Competition	Mechatronics	15-02-2025	55	Dr. Jadhav P.A.	Marathwada Mitra Mandals Polytechnic Pune	Technical creativity and presentation skills enhanced. Teamwork encouraged.
12	2023-24	Workshop on Internet of Things-Aurdino & Raspberry Pi Interfacing	Workshop	Mechatronics	28/08/2023, 06/09/2023, 11/09/2023, 05/10/2023	25	Mr. Atharva Aniruddha Gaopande	Robota Classroom & Solutions Pimpri Chinchwad-411033	Practical exposure to IoT and Raspberry Pi interfacing provided. Technical competency improved.
13		Hands-on Workshop on Robot Programming	Workshop	Mechatronics	30/09/2023 to 01/10/2023	25	Mr. Nilesh Kekan	Robotics, Pimpri Pune	Robot programming skills developed. Hands-on learning provided.
14		Workshop on Industrial Automation	Workshop	Mechatronics	25/09/2023 to 29/09/2023	25	Mr. Nayan	The World of Automation Pune	Understanding of industrial automation systems enhanced. Practical knowledge improved.
15		A State Level Technical Event - AVANT 2K24	Technical Competition	Mechatronics	05-03-2024	47	Mr. Nitin Gaikwad	Marathwada Mitra Mandals Polytechnic Pune	Innovation and technical problem-solving skills promoted. Confidence enhanced.

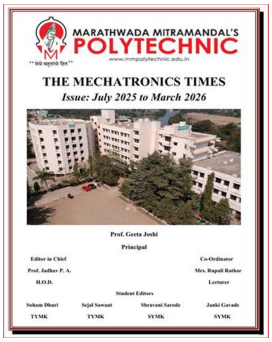
4.7.2 Publication of technical magazines, newsletters, etc. (5) — Institute Marks:

A. Quality & Relevance of the contents and Print Material (3) — Institute Marks: 3.00

Technical magazines and Newsletter

The Department of Mechatronics Engineering regularly publishes departmental newsletters to highlight academic activities, technical events, workshops, seminars, industrial visits, project activities, student achievements, and departmental accomplishments. The newsletter serves as an effective medium for disseminating information related to departmental activities and emerging trends in Mechatronics Engineering.

Table 4.2 Technical magazines and Newsletter

Academic Year	Cover Page
2025-26	

2024-25	
2023-24	

B. Participation of Students from the program (2) — Institute Marks: 2.00

The Department of Mechatronics Engineering actively encourages student participation in the publication of the departmental newsletter. Students are actively involved in various activities related to newsletter preparation and publication, which enhances their technical writing, communication, creativity, teamwork, and organizational skills.

The participation of students includes:

1. Collection of photographs related to departmental activities and events.
2. Documentation of workshops, seminars, industrial visits, project activities, and technical events.
3. Preparation of technical articles, event reports, and content related to student achievements and departmental activities.
4. Content creation and compilation for departmental newsletter publication.
5. Editing, proofreading, and formatting of newsletter content.
6. Designing and layout preparation of the departmental newsletter.
7. Coordination and active participation in newsletter publication activities.
8. Compilation of students' achievements and departmental accomplishments.

Table 4.3 List of Students Participated in Departmental Newsletter Publication

S. No.	Name of Students	Year
1	Soham Dhuri	Final Year
2	Sejal Sawant	Final Year
3	Shravani Sarode	Second Year
4	Janki Gavade	Second Year
5	Sameer Raybole	Final Year
6	Om Kamble	Second Year
7	Piyush Dawkhar	Final Year
8	Sarthak Auti	Final Year
9	Himanshu Shukla	Final Year
10	Srushti Bhenki	Second Year
11	Samiksha Manjare	Final Year
12	Soham Patil	Final Year
13	Shruti Dhote	Final Year
14	Yashraj Wadikar	Second Year
15	Pranav Shelke	Final Year
16	Akash Kousalya	Final Year

4.7.3 Participation in inter-institute / state/national events by students of the program of study (5) — Institute Marks: 5.00

Table 4.4 Students Participation Inter-Institute / State/National Level Events

Academic Year	S. No.	Name Of Students	Name OF Event	Date of Event	Organizing Institute	Level of the Event	Position Secured
2025-26	1	Shivtej G Sambare	MSBTE Sponsored State level Technical Paper Presentation Competition	02-03-2026	Sharad Institute of Technology, Polytechnic Yadrav	State Level	Participated
	2	Dnynesh Mankare	State level E-CAR race Competition	20-09-2025	Shri Siddheshwar womens Polytechnic Solapur	State Level	Participated
	3	Dnynesh Mankare	STEAM project Presentation	28-02-2026	IISER Pune In collabration with Pimpri Chinchwad Science Park	State Level	Participated
	4	Dnynesh Mankare	State level technical event 2025-26 - innovative idea presentation	24-01-2026	Pimpri Chinchwad Polytechnic	State Level	2nd
	5	Dnynesh Mankare	Award of Achievement confered in recognition in the field of Robotics and Embedded Systems.	25-01-2026	AICRA All India Council of Robotics and Automation.	National Level	Participated
	6	Dnynesh Mankare	Tech Mania 2K26- Mini Project Competition	14-02-2026	Rasiklal M. Dhariwal Institute Of Technology Chinchwad Pune	State Level	Participated
	7	Dnynesh Mankare	Tech Mania 2K26-Paper Presentation	14-02-2026	Rasiklal M. Dhariwal Institute Of Technology Chinchwad Pune	State Level	Participated
	8	Dnynesh Mankare	Tech Titans 2K-26- State Level Project Competition	23-03-2026	Pimpri Chinchwad Polytechnic Pune	State Level	2nd
	9	Anchal kinge	Tech Titans 2K-26- State Level Project Competition	23-03-2026	Pimpri Chinchwad Polytechnic Pune	State Level	2nd
	10	Vaibhavi adhikari	Tech Titans 2K-26- State Level Project Competition	23-03-2026	Pimpri Chinchwad Polytechnic Pune	State Level	2nd

2024-25	1	Dnynesh Mankare	Technofest 2K25: A State Level Technical Event- Project Competition	15-02-2025	Marathwada Mitra Mandals Polytechnic Pune	State Level	1st
	2	Srushti Bhenki	Technofest 2K25: A State Level Technical Event- Poster Presentation	15-02-2025	Marathwada Mitra Mandals Polytechnic Pune	State Level	Participated
	3	Srushti Bhenki	Technofest 2K25: A State Level Technical Event- Cad Quiz	15-02-2025	Marathwada Mitra Mandals Polytechnic Pune	State Level	Participated
	4	B S Akash Bala	National Level Online Quiz Competition- Innovation In Mechatronics	15-02-2025	Marathwada Mitra Mandals Polytechnic Pune	National Level	Participated
	5	Dhruv Anoop Saxena	National Level Online Quiz Competition- Innovation In Mechatronics	15-02-2025	Marathwada Mitra Mandals Polytechnic Pune	National Level	Participated
	6	Joshi Atharva Amol	National Level Online Quiz Competition- Innovation In Mechatronics	15-02-2025	Marathwada Mitra Mandals Polytechnic Pune	National Level	Participated
	7	Kalash Krishnakant Wagh	National Level Online Quiz Competition- Innovation In Mechatronics	15-02-2025	Marathwada Mitra Mandals Polytechnic Pune	National Level	Participated
	8	Kavitake Aryan Mayur	National Level Online Quiz Competition- Innovation In Mechatronics	15-02-2025	Marathwada Mitra Mandals Polytechnic Pune	National Level	Participated
	9	Khilare Mansi Ganesh	National Level Online Quiz Competition- Innovation In Mechatronics	15-02-2025	Marathwada Mitra Mandals Polytechnic Pune	National Level	Participated
	10	Kshirsagar Pruthvit Sachin	National Level Online Quiz Competition- Innovation In Mechatronics	15-02-2025	Marathwada Mitra Mandals Polytechnic Pune	National Level	Participated
	11	Raybole Sameer Shankar	National Level Online Quiz Competition- Innovation In Mechatronics	15-02-2025	Marathwada Mitra Mandals Polytechnic Pune	National Level	Participated
	12	Sairaj Santosh Pune	National Level Online Quiz Competition- Innovation In Mechatronics	15-02-2025	Marathwada Mitra Mandals Polytechnic Pune	National Level	Participated
	13	Shaikh Rehan Azaruddin	National Level Online Quiz Competition- Innovation In Mechatronics	15-02-2025	Marathwada Mitra Mandals Polytechnic Pune	National Level	Participated
	14	Shelke Pranav Pradeep	National Level Online Quiz Competition- Innovation In Mechatronics	15-02-2025	Marathwada Mitra Mandals Polytechnic Pune	National Level	Participated
	15	Sutar Vedant Manoj	National Level Online Quiz Competition- Innovation In Mechatronics	15-02-2025	Marathwada Mitra Mandals Polytechnic Pune	National Level	Participated
	16	Mayuri Pratap Sagar	MSBTE state level Technical Paper Presentation Competition	05-08-2024	Guru Govind Singh Polytechnic,Nashik	State Level	Participated
	17	B S Akash Bala	Tech-Menia -Paper Presentation	25-09-2024	Shri Siddheshwar womens Polytechnic Solapur	State Level	Participated
	18	Kavitake Aryan Mayur	State level Technical Project Competition	11-11-2024	Pimpri Chinchwad Polytechnic Pune	State Level	Participated
	19	Nandini Janardhan Mhaske	State level Technical Project Competition	08-01-2026	Rasiklal M. Dhariwal Institute Of Technology Chinchwad Pune	State Level	Participated
2023-24	1	Mayuri Pratap Sagar	State Level Quiz competition	28-02-2024	Guru Govind Singh Polytechnic,Nashik	State Level	Participated
	2	Hariom Singh	State Level Quiz competition	28-02-2024	Guru Govind Singh Polytechnic,Nashik	State Level	Participated
	3	Samarth	State Level Quiz competition	28-02-2024	Guru Govind Singh Polytechnic,Nashik	State Level	Participated
	4	Sidhant Mhetre	State Level Quiz competition	28-02-2024	Guru Govind Singh Polytechnic,Nashik	State Level	Participated
	5	Tanvi Amit Shelar	State Level Quiz competition	28-02-2024	Guru Govind Singh Polytechnic,Nashik	State Level	Participated
	6	Anushka Narendra Manjare	State Level Quiz competition	28-02-2024	Guru Govind Singh Polytechnic,Nashik	State Level	Participated
	7	Adwait Walhekar	State Level Quiz competition	28-02-2024	Guru Govind Singh Polytechnic,Nashik	State Level	Participated
	8	Alka Salve	State Level Quiz competition	28-02-2024	Guru Govind Singh Polytechnic,Nashik	State Level	Participated
	9	Hashir Shaikh	State Level Quiz competition	28-02-2024	Guru Govind Singh Polytechnic,Nashik	State Level	Participated
	10	Siddhi Vijay Mulik	State Level Quiz competition	28-02-2024	Guru Govind Singh Polytechnic,Nashik	State Level	Participated
	11	Dhruv Saxena	State Level Quiz competition	28-02-2024	Guru Govind Singh Polytechnic,Nashik	State Level	Participated
	12	Namdini Janardhan Mhaske	State Level Quiz competition	28-02-2024	Guru Govind Singh Polytechnic,Nashik	State Level	Participated
	13	Disha R. Parmar	State Level Quiz competition	28-02-2024	Shri Siddheshwar womens Polytechnic Solapur	State Level	Participated
	14	Jadhav Arpan Vishwas	State level Technical Paper Presentation Competition	11-07-2023	Shri Siddheshwar womens Polytechnic Solapur	State Level	Participated
	15	Raul Gajanan Govind	State level Technical Paper Presentation Competition	12-09-2023	Pimpri Chinchwad Polytechnic Pune	State Level	Participated
	16	Sakhare Chetan Mahadev	State level Technical Project Competition	09-01-2024	Shri Siddheshwar womens Polytechnic Solapur	State Level	Participated
	17	Patil Arpita Anil	State level Technical Project Competition	07-02-2024	Pimpri Chinchwad Polytechnic Pune	State Level	Participated
	18	Ankade Poonam Dnyaneshwar	A State Level Technical Event - AVANT 2K24	05-03-2024	Marathwada Mitra Mandals Polytechnic Pune	State Level	Participated
	19	Dere Prasanna Gurudev	A State Level Technical Event - AVANT 2K24	05-03-2024	Marathwada Mitra Mandals Polytechnic Pune	State Level	Participated
	20	Gugale Siddhi Mahesh	A State Level Technical Event - AVANT 2K24	05-03-2024	Marathwada Mitra Mandals Polytechnic Pune	State Level	Participated
	21	Kavitake Aryan Mayur	A State Level Technical Event - AVANT 2K24	05-03-2024	Marathwada Mitra Mandals Polytechnic Pune	State Level	Participated
	22	Khilare Mansi Ganesh	A State Level Technical Event - AVANT 2K24	05-03-2024	Marathwada Mitra Mandals Polytechnic Pune	State Level	Participated
	23	Kirve Gauri Yuvraj	A State Level Technical Event - AVANT 2K24	05-03-2024	Marathwada Mitra Mandals Polytechnic Pune	State Level	Participated
	24	Mulik Siddhi Vijay	A State Level Technical Event - AVANT 2K24	05-03-2024	Marathwada Mitra Mandals Polytechnic Pune	State Level	Participated
	25	Nandini Janardhan Mhaske	A State Level Technical Event - AVANT 2K24	05-03-2024	Marathwada Mitra Mandals Polytechnic Pune	State Level	Participated
	26	Niranjan Purushottam Dumbre	A State Level Technical Event - AVANT 2K24	05-03-2024	Marathwada Mitra Mandals Polytechnic Pune	State Level	Participated
	27	Sagar Mayuri Pratap	A State Level Technical Event - AVANT 2K24	05-03-2024	Marathwada Mitra Mandals Polytechnic Pune	State Level	Participated
	28	Shinde Mangesh Deepak	A State Level Technical Event - AVANT 2K24	05-03-2024	Marathwada Mitra Mandals Polytechnic Pune	State Level	Participated
	29	Singh Hariom Ravindra	A State Level Technical Event - AVANT 2K24	05-03-2024	Marathwada Mitra Mandals Polytechnic Pune	State Level	Participated
	30	Jadhav Sneha Madhav	A State Level Technical Event - AVANT 2K24	05-03-2024	Marathwada Mitra Mandals Polytechnic Pune	State Level	ParticipatedSt

Table 4.5 Students Participation in Zonal & State Level Sports Competitions

Academic Year	S. No.	Name Of Students	Name Of Event	Date of Event	Organizing Institute	Level of the Event	Position Secured
2025-26	1	Srushti Ravi Bhenki	Zonal & State Sports Competition Chess Girls	12-01-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	2	Kaustubh M. Tikone	Zonal & State Sports Competition(Kabaddi Boys)	24-01-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	3	Tanmay M. Waikar	Zonal & State Sports Competition(Kabaddi Boys)	24-01-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	4	Om B. Chavan	Zonal & State Sports Competition(Kabaddi Boys)	24-01-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	5	Satish R. Hole	Zonal & State Sports Competition(Kabaddi Boys)	24-01-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	6	Harshali M. Waghmare	Zonal & State Sports Competition (Kabaddi Girls)	03-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	7	Sejal S. Sawant	Zonal & State Sports Competition (Kabaddi Girls)	03-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	8	Prachi P. Patole	Zonal & State Sports Competition (Kabaddi Girls)	03-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	9	Shrutika S. Patil	Zonal & State Sports Competition (Kabaddi Girls)	03-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	10	Rutuja S. Nalawade	Zonal & State Sports Competition (KHO-KHO Girls)	03-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	11	Pratyanch G. Patil	Zonal & State Sports Competition (Volleyball Boys)	14-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	12	Rutuja S. Nalawade	Zonal & State Sports Competition (Badminton Girls)	15-01-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	13	Dnyaneshwari V. Mulay	Zonal & State Sports Competition (Badminton Girls)	15-01-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	14	Himanshu S. Shukla	Zonal & State Sports Competition (Basketball Boys)	22-01-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Runner-up
	15	Soham K. Patil	Zonal & State Sports Competition (Basketball Boys)	22-01-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Runner-up
	16	Dnynesh M. Mankare	Zonal & State Sports Competition (Basketball Boys)	22-01-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Runner-up
	17	Yuvraj More	Zonal & State Sports Competition (Basketball Boys)	22-01-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Runner-up
	18	Himanshu S. Shukla	Zonal & State Sports Competition (Football Boys Team)	06-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	19	Pratyanch G. Patil	Zonal & State Sports Competition (Football Boys Team)	06-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	20	Yuvraj More	Zonal & State Sports Competition (Football Boys Team)	06-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	21	Shlok S. Telkar	Zonal & State Sports Competition (Football Boys Team)	06-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	22	Jeet Y. Kulkarni	Zonal & State Sports Competition (Football Boys Team)	06-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	23	Adinath T. Narhare	Zonal & State Sports Competition (Cricket Boys)	8/02/2026 to 11/02/2026	Inter Engineering Diploma students Sports Association	Zonal and State	2nd
	24	Sanchit S. Patil	Zonal & State Sports Competition (Cricket Boys)	8/02/2026 to 11/02/2026	Inter Engineering Diploma students Sports Association	Zonal and State	2nd
	25	Himanshu S. Shukla	Zonal & State Sports Competition (Athletics Boys)	23-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	26	Himanshu S. Shukla	Zonal & State Sports Competition (Athletics Boys Relay)	23-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	27	Shrutika S. Patil	Zonal & State Sports Competition (Athletics Girls)	23-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	28	Rutuja S. Nalawade	Zonal & State Sports Competition (Athletics Girls)	23-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	29	Shrutika S. Patil	Zonal & State Sports Competition (Athletics Girls Relay)	23-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated

	30	Rutuja S. Nalawade	Zonal & State Sports Competition (Athletics Girls Relay)	23-02-2026	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
2024-25	1	Tanish Pawer	Zonal & State Sports Competition(Chess) Boys	22-01-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	2	Srushti Benki	Zonal & State Sports Competition(Chess) Girls	22-01-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	3	Trinetri Gadhave	Zonal & State Sports Competition(Chess) Girls	22-01-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	4	Kaustubh Tikone	Zonal & State Sports Competition(Kabaddi)	28-01-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	5	Satish Hole	Zonal & State Sports Competition(Kabaddi)	28-01-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	6	Himanshu Shukla	Zonal & State Sports Competition(Football)	24-01-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	7	Harsh Deshmukh	Zonal & State Sports Competition(Football)	24-01-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	8	Shlok Telkar	Zonal & State Sports Competition(Football)	24-01-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	9	Jeet Kulkarni	Zonal & State Sports Competition(Football)	24-01-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	10	Himanshu Shukla	Zonal & State Sports Competition(BasketBall)	08-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	11	Soham Patil	Zonal & State Sports Competition(BasketBall)	08-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	12	Soham Dhuri	Zonal & State Sports Competition(BasketBall)	08-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	13	Aditya Dhanshetty	Zonal & State Sports Competition(BasketBall)	08-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	14	Pruthvit Kshirsagar	Zonal & State Sports Competition(BasketBall)	08-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	15	Subanhan Mujawar	Zonal & State Sports Competition(BasketBall)	08-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	16	Pranav Shelke	Zonal & State Sports Competition(BasketBall)	08-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	17	Dnynesh Mankare	Zonal & State Sports Competition(BasketBall)	08-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	18	Ganesh Gund	Zonal & State Sports Competition(Cricke) boys	13/2/25 to 17/2/25	Inter Engineering Diploma students Sports Association	Zonal and State	Runner-up: Cricket Boys
	19	Sarthak Gagare	Zonal & State Sports Competition(Cricke) boys	13/2/25 to 17/2/25	Inter Engineering Diploma students Sports Association	Zonal and State	Runner-up: Cricket Boys
	20	Sanchit Patil	Zonal & State Sports Competition(Cricke) boys	13/2/25 to 17/2/25	Inter Engineering Diploma students Sports Association	Zonal and State	Runner-up: Cricket Boys
	21	Nayan Parkar	Zonal & State Sports Competition(Athletics) 100 m	27-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	22	Nayan Parkar	Zonal & State Sports Competition(Athletics) BoyRelay	27-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	23	Nayan Parkar	Zonal & State Sports Competition(Athletics) 200 m	27-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	24	Shrutika Patil	Zonal & State Sports Competition(Athletics) 100 m	27-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	25	Shrutika Patil	Zonal & State Sports Competition(Athletics) 200 m	27-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	26	Rutuja Nalawade	Zonal & State Sports Competition(Athletics) 200 m	27-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	27	Harshali Waghmare	Zonal & State Sports Competition(Athletics) Shot Put	27-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	28	Rutuja Nalawade	Zonal & State Sports Competition(Athletics) Relay	27-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	29	Shrutika Patil	Zonal & State Sports Competition(Athletics) Relay	27-02-2025	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
2023-24	1	Gagare Sarthak Rajendra	Zonal & State Sports Competition (Cricket)	07-02-2024	Inter Engineering Diploma students Sports Association	Zonal and State	Runner-up
	2	Gund Ganesh Pramod	Zonal & State Sports Competition (Cricket)	07-02-2024	Inter Engineering Diploma students Sports Association	Zonal and State	Runner-up
	3	Koli Akshad Navnath	Zonal & State Sports Competition (Cricket)	07-02-2024	Inter Engineering Diploma students Sports Association	Zonal and State	Runner-up
	4	Idhate Ganesh Popat	Zonal & State Sports Competition (Cricket)	07-02-2024	Inter Engineering Diploma students Sports Association	Zonal and State	Runner-up
	5	Burde Pratik Yuvraj	Zonal & State Sports Competition (Cricket)	07-02-2024	Inter Engineering Diploma students Sports Association	Zonal and State	Runner-up
	6	Sable Jonah Bhaskar	Zonal & State Sports Competition (Football)	24-01-2024	Inter Engineering Diploma students Sports Association	Zonal and State	Runner-up
	7	Himanshu Sandip Shukla	Zonal & State Sports Competition (Football)	24-01-2024	Inter Engineering Diploma students Sports Association	Zonal and State	Runner-up
	8	Huri Soham Shashikant	Zonal & State Sports Competition (Kabaddi)	31-01-2024	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	9	Tikone Kaustubh Mayur	Zonal & State Sports Competition (Kabaddi)	31-01-2024	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	10	Dambre Niranjan	Zonal & State Sports Competition (Kabaddi)	31-01-2024	Inter Engineering Diploma students Sports Association	Zonal and State	Participated
	11	Koli Akshad Navnath	Zonal & State Sports Competition (Kabaddi)	31-01-2024	Inter Engineering Diploma students Sports Association	Zonal and State	Participated

5 FACULTY INFORMATION AND CONTRIBUTIONS (150) — **Total Marks 139.00**

Name	University Degree	Area of Specialization	Contribution to the program(% load)			Research Paper Publications	Faculty receiving Ph.D/M.Tech during the Assessment year	Current Designation	Initial Date of Joining	Association Type	At present working with the Institution(Yes/ No)	In case of NO, Date of Leaving	IS Principal?
			CAY (2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)								
Dr.Jadhav P.A.	Ph.D	Mechanical Engineering	100	100	100	8	1	HOD	01/07/2010	Regular	Yes		No
Ms.Bhosale S.S.	M.E.	Communication Network	95	71	86	2		Lecturer	17/11/2021	Regular	Yes		No
Mr.Krishnani A.L.	M.E.	Mechanical Engineering	0	0	100	2		Lecturer	17/08/2022	Regular	No	31/05/2024	No
Mr.Gaikwad N.M.	M.E.	Mechanical Engineering	95	100	100	2		Lecturer	16/08/2023	Regular	Yes		No
Mr. Ghogare S. P	M.Sc (Maths)	Mathematics	0	0	50			HOD	21/07/2008	Regular	Yes		No
Dr. Lakhe M.C	Ph.D	Applied Chemistry	0	40	42			Lecturer	06/07/2013	Regular	Yes		No
Mr. Salunkhe B. S	M.Sc	Physics	32	40	40			Lecturer	01/08/2008	Regular	Yes		No
Mrs. Deshmukh V. A	MA (English)	English	0	0	33			Lecturer	09/01/2021	Regular	Yes		No
Ms. Kesharwani S. R	M.Sc (Maths)	Mathematics	0	43	6			Lecturer	17/02/2022	Regular	Yes		No
Mrs. Jadhav R. R	B.E.	Civil	17	25	25			Lecturer	08/08/2022	Regular	Yes		No
Ms. Patil K.V.	M.E.	Electronics & Telecommunication	100	83	0	3		Lecturer	18/06/2024	Regular	Yes		No
Mrs.Rathor R.	M.E.	Mechanical Engineering	100	100	0	3		Lecturer	29/07/2024	Regular	Yes		No
Mrs.Engle A.P.	M.E.	Electronics & Telecommunication	12	47	0	2		Lecturer	12/07/2024	Regular	Yes		No
Mrs. Shelke G. D	B.E.	MECHANICAL	100	0	0			Lecturer	11/10/2024	Regular	Yes		No
Mr. Randive J. D	MA (English)	English	32	33	0			Lecturer	08/08/2022	Regular	Yes		No
Ms.A.D.Nandapure	Ph.D	Chemistry	17	0	0			Lecturer	05/08/2025	Regular	Yes		No
Mrs.Patil M.S.	M.Sc (Maths)	Mathematics	38	0	0	2		Lecturer	05/08/2008	Regular	Yes		No
Ms.Dahale A.P	M.Sc	Chemistry	16	0	0			Lecturer	27/12/2021	Regular	Yes		No
Mrs.Khese S.B.	B.E.	Electrical	24	0	0			Lecturer	02/07/2025	Regular	Yes		No
Mrs.Bhor D.A	M.E.	M.E. (VLSI &Embedded system)	0	0	100			Lecturer	15/11/2022	Regular	No	31/05/2024	No
Mrs. Giddd M.M	M.E.	M.E.(Electrical Engineering)	0	0	23			Lecturer	12/08/2022	Regular	No	31/05/2024	No
Mrs. Badve R. S	M.E.	ME(E & TC)	0	0	36			Lecturer	17/07/2023	Regular	No	24/08/2024	No

5.1 Student-Faculty Ratio (SFR) (25) — **Total Marks 25.00**

Institute Marks

25

Year	N	F	SFR=N/F
2025-26(CAY)	192	7.78	24.68
2024-25(CAYm1)	192	6.82	28.15

2023-24(CAYm2)	159	7.41	21.46

Average SFR : 24.76

Assesement SFR : 25

5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below:

	Total number of regular faculty in the department	Total number of contractual faculty in the department
2025-26(CAY)	10	0
2024-25(CAYm1)	8	0
2023-24(CAYm2)	10	0

5.2 Faculty Qualification (25) — **Total Marks 20.00**

5.2.1 Faculty Qualification Index (20) — Institute Marks: 15.00

	X	Y	F	FQ = 2 x [(10X + 7Y) / F)]
2025-26	4	3	8.00	15.25
2024-25	4	1	8.00	11.75
2023-24	4	2	6.00	18.00

Average Assessment : 15.00

5.2.2 Availability of Faculty/principal of that discipline with PhD. Qualification (5) — Institute Marks: 0

Availability of Faculty/principal of that discipline with PhD. Qualification ? : NO

5.3 Faculty Retention (20) — **Total Marks 15.00**

Institute Marks: 15.00

Description	2024-25 (CAYm1)	2025-26 (CAY)
No of Faculty Retained	6	6
Total No. of Required Faculty	7	7
% of Faculty Retained	86	86

Average : 85.71

Assessment Marks : 15.00

5.4 Faculty as participants in Faculty development/training activities conducted by other organizations (30) — **Total Marks 30.00**

Institute Marks: 30.00

Name of the faculty	Max 5 Per Faculty		
	2022-23 (CAYm3)	2023-24 (CAYm2)	2024-25 (CAYm1)
Dr. Lakhe M.C	2.00	2.00	0.00
Dr.Jadhav P.A.	4.00	4.00	5.00
Mr. Ghogare S. P	0.00	0.00	0.00
Mr. Randive J. D	0.00	0.00	0.00
Mr. Salunkhe B. S	0.00	2.00	5.00
Mr.Gaikwad N.M.	4.00	5.00	5.00
Mr.Krishnani A.L.	5.00	5.00	0.00
Mrs. Badve R. S	0.00	0.00	0.00
Mrs. Deshmukh V. A	0.00	0.00	0.00
Mrs. Giddd M.M	0.00	0.00	0.00
Mrs. Jadhav R. R	0.00	0.00	0.00
Mrs. Shelke G. D	0.00	0.00	5.00
Mrs.Bhor D.A	4.00	5.00	0.00
Mrs.Engle A.P.	0.00	0.00	0.00
Mrs.Khese S.B.	0.00	0.00	0.00
Mrs.Patil M.S.	0.00	0.00	0.00
Mrs.Rathor R.	0.00	0.00	5.00
Ms. Kesharwani S. R	0.00	0.00	0.00
Ms. Patil K.V.	0.00	0.00	5.00
Ms.A.D.Nandapure	0.00	0.00	0.00
Ms.Bhosale S.S.	5.00	5.00	5.00
Ms.Dahale A.P	0.00	0.00	0.00
Sum	24.00	28.00	35.00
RF = Number of Faculty required to comply with 25:1 SFR as per S..	6.36	7.68	7.68
Assessment [6*(Sum / 0.5RF)](Marks limited to 30)	30.00	30.00	30.00

Average assessment over 3 years (Marks limited to 30): 30.00

5.4. a. Organized/ Conducted FDPs and STTP by this department at State / National Level (12) — **Total Marks 12.00**

Institute Marks: 12.00

Table 5.1 Details of State/National Level FDP/STTP/ Training Programs

Sr. No.	Academic Year	Name of FDP / STTP	Level (State / National)	Duration (From–To)	Mode (Online / Offline/ Hybrid)	Sponsoring / Collaborating Agency	Number of Participants	Resource Persons / Experts	Coordinator(s)	Outcomes / Impact
1	2023-24	In-person MS-DEED Level 1 Workshop' on Introduction to Innovative Pedagogies	State	26/06/2023 to 28/06/2023	Offline	Maharashtra State Faculty Devlopment Academy (MSFDA)	65	MSFDA Trainers	Dr. Lakhe M.C	Improved teaching practices through innovative pedagogy. Faculty gained confidence in applying new methods
2	2023-2024	Moderation methods workshop (Teaching Pedagogy)	State	29/09/2023 To 30/09/2023	Offline	ŠKODA AUTO Volkswagen India Private Limited.	28	Mr. Mukul-Pal Chowdhury, Head - Group Training Academy, ŠKODA AUTO Volkswagen	Mr. Gundla R.J.	Better use of moderation techniques in teaching, Enhanced skills in

								India Private Limited.		content design and delivery.
3	23023-24	3 Days Workshop on 3D Printing	State	11/12/2023 to 13/12/2023	Offline	Zero3D, Pune	15	Mr.Ganeshbhai	Dr. Jadhav P.A	Hands-on knowledge of 3D printing technology. Strengthened practical and technical expertise
4	23023-24	Certificate training course on "Electrician Domestic Solutions"	State	21/12/2023 to 27/12/2023	Offline	Legrand India	30	Mr. Pritam Kale	Dr. Jadhav P.A	Developed skills in domestic electrical solutions. Improved ability to apply knowledge in practice.
5	2024-2025	Curriculum Implementation for Faculty Development	State	24/06/2024 To 03/07/2024	Offline	Maharashtra State Faculty Development Academy (MSFDA), Indian Institute of Science Education and Research(IISER)	28	1. Mrs. Geeta Joshi (MSFDA, ISSER, Master Trainer) M. M. Polytechnic, Pune 2. Mrs. Mohini Patil (MSFDA, ISSER, Master Trainer) M. M. Polytechnic, Pune	Mrs. Mohini Patil	Effective curriculum planning and delivery. Enhanced teaching quality and professional growth.
6	2024-2025	Electrical Cables TTS-1	State	13/09/24 to 14/09/24	Offline	Ravine Cables	12	Mr. Pradeep Ramrakhiani	Mrs. Bhosale S S	Practical knowledge of electrical cables. Strengthened technical understanding and application.
7	2025-26	Bajaj Manufacturing System	State	15/09/25 to 20/09/25	Online	Bajaj Auto Ltd	8	Online Portal	Mrs. Rathod R. H	Exposure to Bajaj manufacturing systems. Improved awareness of industry practices.
8	2024-2025	Basic Qualification Technology Training	National	8/12/2025 To 12/12/2025	Offline	ŠKODA AUTO Volkswagen India Private Limited.	20	Mr. Mahesh Deshmukh (Technical Trainer) M. M. Polytechnic, Pune	Mr. Gundla R.J.	Fundamental knowledge of automobile systems. Enhanced teaching with industry-oriented methods.
9	20225-26	Staff Training on MSBTE Laboratory Manual development	State	30 and 31/10/2025, 7 and 8/11/25	Online/ Offline	MSBTE	12	Dr. Harip	Dr. Prasad Jadhav	Improved skills in lab manual development. Strengthened alignment with MSBTE standards.
10	2025-2026	BQ Basic Electrical Training	National	16/02/2026 To 20/02/2026	Offline	ŠKODA AUTO Volkswagen India Private Limited.	20	Mr. Atmaram Desai (Technical Trainer, ŠKODA AUTO Volkswagen India Private Limited.	Mr. Gundla R.J.	Better understanding of automobile electrical systems. Enhanced diagnostic and troubleshooting skills.

5.5 Product development, Consultancy, Manufacturing contracts, testing contracts (8) — **Total Marks 8.00**

Institute Marks: 8.00

Table 5.2 Details of Product Development/ Consultancy/ Manufacturing and Testing Contracts

Sr. No	Type of Activity (Product Development / Consultancy / Manufacturing / Testing	Name of Project / Contract / Service	Academic Year	Industry / Client Name	Faculty / Staff Involved	Revenue Generated (₹)
1	Product Development	Manufacturing of Engineering Goods	2022-23	Real-tech Precision Engineering	Dr. Jadhav P. A	61,209/-
		MSBTE Lab Manual	2025-26	MSBTE	Dr. Jadhav P. A	28,000/-
					Mr. Gaikwad N. M	7,500/-
					Mrs. Bhosale S. S	2,000/-
					Mrs. Patil K. V	2,000/-
					Mrs. Shelke G. D	2,000/-
2	Consultancy	Training	2022-23	Engineering Cluster	Mrs. Bhosale S. S	72,000/-
		Technical Training, Fundamental of electrical technology	2025-26	Amphenol Interconnect India Pvt. Ltd	Mrs. Bhosale S. S	10,000/-
3	Manufacturing Contract	Production of Engineering Goods	2022-23	Smart Tech Engineering	Dr. Jadhav P. A	1,15,000/-
			2023-24	Smart Tech Engineering	Dr. Jadhav P. A	1,05,886/-
			2024-25	Smart Tech Engineering	Mr. Gaikwad N.M	2,21,282/-
			2025-26	Smart Tech Engineering	Mrs. Rathod R .H	1,61,224/-
4	Testing Contracts	Quality Inspection, Surface Roughness Measurement	2023-24	Smart Tech Engineering	Dr. Jadhav P. A	64,308/-
Total Amount						8,52,409/-

5.6 Faculty Performance Appraisal and Development System (FPADS) (30) — **Total Marks 29.00**

A. A well-defined FPADS instituted for all the assessment years (5) — Institute Marks: 5.00

Objectives of Faculty Performance Appraisal and Development System (FPADS)

Continous Improvement : The system ensures continuous improvement in teaching, practical skill development, and profession development, fostering a culture of excellence.

Accountability: It holds faculty members accountable for their activities, ensuring that all members are responsible for their performance

Promotion and tenure: The appraisal process helps in identifying faculty members for promotion and tenure, ensuring that the best talent is retained and promoted.

Feedback loop: It creates a feedback loop that enables continuous growth across the institution, allowing faculty to develop valid data for promotion.

These objectives collectively contribute to the vission and mission of the institution aligning faculty development with the broader institutional mission

The Key Performance Parameters for teaching faculty are classified as follows:

Sr. No	Section	Marks
1	Teaching Learning Process	21
2	Performance of Result	20
3	Self Development Punctuality	6
4	Institute Level Activities	28
5	Feedback 1. Student 2. Head of Department 3. Principal 4. Peer Group	25
	Total	100

The Key Performance Parameters for Non teaching staff are classified as follows:

Sr.	Section	Marks
1	Involvement in lab development	5
2	Lab Maintenance Work	5

3	Institutional Activities	20
4	Feedback 1 Student 1 Head of Department 1 Principal 1 Peer Group 1 Interdepartmental work	30
5	Self Development , Punctuality	5
	Total	65

The Sample appraisal form is as follows :

MARATHWADA MITRA MANDAL'S POLYTECHNIC,
Thergaon, Pune-33
Performance appraisal for teaching faculty 2025-26

Name of Staff: -

Designation: -

For Period: - _____ **TO** _____

Department: -

I. Teaching Learning process (21 Marks)

S. No.	Teaching Learning process	Marks allotted	Committee observations (Odd Sem)	Committee observations (Even Sem)	Marks Obtained
1	CO-PO Mapping with justification	02			
2	Average attendance of students (More than 80%)	01			
3	Updated theory/practical attendance sheets	01			
4	Teaching/ Practical plan prepared and updated	01			
5	% of lectures conducted against planned (80%)	01			
6	Practical continuous assessment/SLA complete	01			
7	Chapter wise question bank (2 Marks,4 Marks or objective questions)	01			
8	Subject Related Notes	01			
9	CO-PO attainment of last year including current year	02			
10	Sample papers and analysis/model answer: - CT-I, CT-II, MSBTE	01			
11	Chapter wise test conducted and action taken on poor student	01			
12	Course related materials: - PPT, Videos, Models, etc.	01			
13	Lab manual/Master manual prepared	01			
14	Identified Curricular gaps and its Appropriateness	01			
15	Industry visits and guest lecture arranged relevant to course mapping	01			

POLYTECHNIC PUNE 411 033. THERGAON

16	Innovative/pedagogy approach in teaching	01			
17	Methodologies to support weak students and encourage bright students	01			
18	Website creation (wordpress.com), Utilization of website / Google classroom creation	01			
19	Industry interaction	01			

Total Marks obtained (out of 21): ——

II. A) Increase in percentage of Result: (Max marks: 05)
(Increase in percentage of result or increase in the percentage of number of students scoring 80% for TY, 70% for SY, 60% for FY)

Sr. No (1)	Class/ Course (2)	Subject Taught (3)	Average result of same subject for last year in institute (4)	Current result of your subject (5)	Percentage improvement in the result (6)	Average of column (6) (7)	Percentage improvement and maximum marks (8)
							> 20% (05) > 15-20% (04) > 10-15% (03) > 5-10% (02) > 00-5% (01)

B) Current Result: (Max. Mark: 15)

Sr. No	Average of Current Result	Percentage Range & Max. Mark
		90-100 % (15 Mark) 80-90 % (14Mark) 70-80 % (12 Mark) 60-70 % (10 Mark) 50-60 % (08 Mark) 40-50 % (06 Mark) Below 40% (00 Mark)

Total Marks obtained (out of 20): ——

M. M. POLYTECHNIC PUNE 411 033. THERGAON

III. Self-Development - (Max Marks: 04)

Sr. No	Details (marks weightage)	Particular
1.	Higher Education* (01)	
2	Certification (01)	
3.	Undergone Short term/ Long term training/FDP/ AICTE ATAL (5 days training) (01)	
4.	Publications- Conference/Books/ Chapter/Paper/Patent (01)	
5.	Proposal (MSBTE, DTE) (01)	

* Applicable for the duration of the course.

Marks obtained: —

IV. Participation of faculty in other activity (Max marks: 15)

Sr. No	Details	Tick	Specification & Marks given by concerned person	
1	Admission Committee members			
2	Exam committee			
3	Academic Monitoring Committee			
4	AICTE/MSBTE Work			
5	Purchase			
6	Sport/Competition			
7	Cultural Event			
8	Alumni			
9	Training & Placement			
10	Industrial Visit/Guest Lecture			
11	Time-table work			
12	Social activity			
13	Lab Development			
14	Mentoring of students			
15	Laboratory in charge			
Any other				
16				
17				
18				
19				
20				
21				
22				

23				
24				

Marks obtained: ——

V. Students Feedback (Max marks: 05) - ____

VI. Head of the Department Feedback (Max marks: 10) - ____

VII. Principal Feedback: (Max marks: 05) - ____

VIII. Punctuality in work (Max. marks: 02)- ____

IX. Peer group (Max marks: 05)- ____

X. Admission: - (Max marks: 10)_ ____

(Participation in admission activity)

Sr. No	Details	Name of the school/Particulars	Marks obtained
01	Favourite teacher		
02	Talent hunt conducted and prize distribution		
03	Outside event for admission		
	Any other		
04			
05			
06			
07			
08			
09			
10			

XI. MOU/ Revenue generation (Max marks: 03)

Sr. No.	Parameters	Marks Allotted	Specification	Marks obtained
1	Industrial Tie up/MOU with reference	02		
2	Revenue generation	01		

Total Marks (out of 100): -

M. M. POLYTECHNIC PUNE 411 033 THERGAON

MARATHWADA MITRA MANDAL'S POLYTECHNIC,
Thergaon, Pune-33

Performance appraisal for Nonteaching faculty 25-26

Total: - 65 Marks

Name of Staff: -

Designation: -

Department:

I. Involvement in lab development: (Max Mark: 05)

II. Lab Maintenance work: (Max Mark: 05)

III. Participation in college activities: (Max marks: 10)

Sr. No.	Activity	Marks
1	Admission Committee	
2	Exam Committee	
3	Industrial Visit/ Guest lecture	
4	General Maintenance	
5	Additional Work-	

Marks Obtained——

M.M. POLYTECHNIC PUNE 411 033. THERGAON

IV. Students Feedback: (Max marks: 5)

V. Peer group: (Max marks: 05)

VI. H.O.D. Feedback: (Max marks: 10)

VII. Principal Feedback: (Max marks: 05)

VIII. Punctuality in work: (Max marks: 03)

IX. Interdepartmental relation & work (Max marks: 05)

(By other department HOD)

X. Self-Development: (Max marks: 02)

XI. Admission: (Max marks: 10)

1. Participation in admission activity

Sr. No	Details	Name of the school/Particulars	Marks obtained
01	Favourite teacher		
02	Talent hunt conducted and prize distribution		
03	Outside event for admission		
	Any other		
04			
05			
06			
07			

Total Marks (out of 65): -

M. M. POLYTECHNIC PUNE 411 033. THERGAON

The above format assures a 360 degree assessment covering all aspects meticulously.

B. Its implementation and effectiveness (15) — Institute Marks: 14.00

The Self-Appraisal forms submitted by Individual staff members include their academic and personal contributions for the academic year. This system ensures faculty accountability and makes their effectiveness transparent and measurable. It means the system helps track and show how responsible faculty members are in their roles, and also makes it clear how well they are performing or contributing.

It provides an insight into the below listed aspects.

Faculty:

1. Staff are aware of their roles and responsibilities.
2. Every teacher has a teaching plan with learning resources ready at the start of the term.
3. Promotes a culture of outcome-based teaching and learning.
4. Motivates staff to participate in content updating and industrial training activities.
5. Facilitates participation in peer-reviewed conferences.
6. Encourages publication of journal papers.
7. Supports staff involvement in MSBTE curriculum revision, career fairs, and other initiatives.
8. Promotes innovative practices in teaching/learning and the use of ICT tools.
9. Motivates students to engage in co-curricular activities.
10. Encourages teachers to align course delivery with student requirements.
11. Facilitates qualification upgradation.

Institution:

1. Builds a better-equipped and motivated human resource base.
2. Develops competent and peer-recognized faculty.
3. Establishes credibility within the student community and society at large.
4. Helps achieve organizational goals.
5. Establishes state-of-the-art facilities.
6. Enhances the ability to meet future needs.

The Process is explained in following figure 5.1

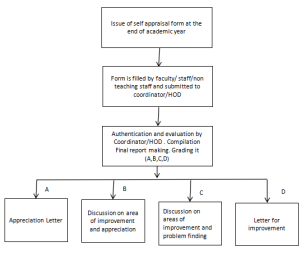


Figure 5.1 Appraisal Process Steps

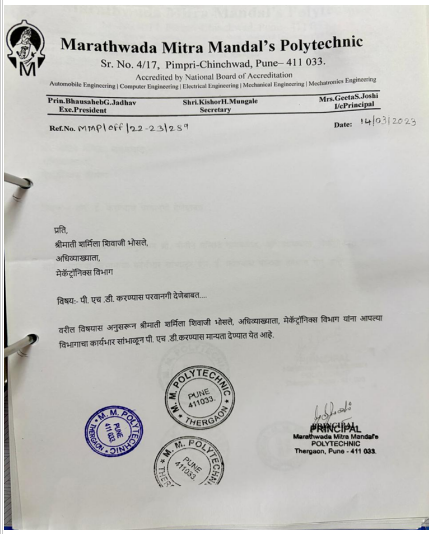
The grade is calculated as per percentile system . The first 20% in A, next 40% in B, Next 30% in C and next 10 % in D . This system is used for improving the performances only.

C. Details of qualification up-gradation of faculty (10) — Institute Marks: 10.00

The institute consistently encourages and supports faculty members in their pursuit of higher qualifications, recognizing that academic advancement directly contributes to institutional growth and quality enhancement. Faculty are motivated to enroll in postgraduate and doctoral programs, and the institute facilitates this by granting on-duty status, special study leave, and flexible academic arrangements. Such proactive measures ensure that faculty members can balance professional responsibilities with academic aspirations. As a result, during the assessment period, one faculty member successfully completed a Ph.D., another two faculties are currently pursuing doctoral research, and one is enrolled in a Master's program. This shows that Mechatronics Department faculties are improving their education which indirectly benifits the students. Faculties are encouraged to pursue further education in mechatronics related areas like Robotics and Automation, Machine learning and Mechatronics in health sciences.

Table 5.6.1 Details of Qualification upgradation of Faculty

Sr. No	Name of faculty	Qualifications at the time of Joining	Latest Qualification	Year of Upgradation
1	Dr. Jadhav P.A.	BE Mechanical Engineering	Ph.D. Mechanical Engineering	April, 2025
2	Ms. Bhosale S.S.	M.E Communication Network	Ph.D. Electronics and Telecommunication	Pursuing
3	Mr. Gaikwad N.M.	BE Mechanical Engineering	ME Production Engineering	Pursuing
4	Ms. Patil K.V.	M.E Electronics & Telecommunication	M.E Electronics & Telecommunication	------
5	Mrs. Rathor R. H	M.E Mechanical (Thermal) Engineering	M.E Mechanical (Thermal) Engineering	Pursuing
6	Mrs. Shelke G. D	B.E Mechanical Engineering	M.E Robotics and Automation	Pursuing



Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune– 411 033.
Accredited by National Board of Accreditation
Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics Engineering

Prin.BhausahebG.Jadhav Exe.President | Shri.KishorH.Mungale Secretary | Mrs.GeetaS.Joshi I/cPrincipal

Ref.No. MMP/066/22-23/285 Date: 14/03/2023

प्रति,
श्रीमती शर्मिला शिवाजी भोसले,
अधिव्याख्याता,
मेकॅट्रॉनिक्स विभाग

विषय:- पी. एच .डी. करण्यास परवानगी देणेबाबत....

वरील विषयास अनुसरून श्रीमती शर्मिला शिवाजी भोसले, अधिव्याख्याता, मेकॅट्रॉनिक्स विभाग यांना आपल्या विभागाचा कार्यभार सांभाळून पी. एच .डी.करण्यास मान्यता देण्यात येत आहे.

PRINCIPAL
Marathwada Mitra Mandal's POLYTECHNIC Thergaon, Pune - 411 033.

Fig 5.6.1 Sample of Sponsorship letter for higher Education

6 FACILITIES AND TECHNICAL SUPPORT (100)

Total Marks 97.00

6.1 Availability of adequate, well equiped classrooms to meet the curriculum requirements (10)

Total Marks 10.00

Institute Marks
10.00

The department has a sufficient number of hexagonal-designed classrooms that effectively accommodate timetable requirements while ensuring clear visibility of the teaching board from every corner for enhanced teaching–learning.

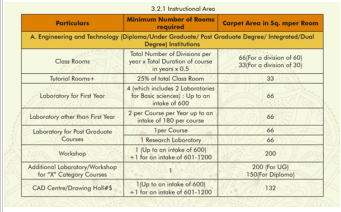
The details of class rooms are presented in following Table 6.1

Table 6.1 Details of classroom adequacy

Sr.No.	Particulars	Available Quantity	Required as per norms	Adequacy Status	Quality Features/ Remark
1	Total Number of Classrooms	2	1.5	Adequate	Spacious and ventilated
2	Carpet Area of Classroom	67.83 Sqm per classroom	66 Sqm per classroom	Adequate	As per norms
3	Seating Capacity per classroom	60 to 75	60	Adequate	Sufficient for student strength
4	Smart Classrooms / ICT Enabled Rooms	1	-	Adequate	Interactive board, internet, audio system
5	Whiteboard /Greenboard Facilities	2	2	Adequate	Clearly visible from all corners
6	Classroom Furniture Condition	Yes	-	Adequate	Comfortable benches and desks
7	Lighting and Ventilation	Yes	-	Adequate	Natural and electrical lighting, Fans
8	Safety Measures	Yes	-	Adequate	Fire safety, emergency exits
9	Maintenance Status	Regular	-	Satisfactory	Cleanliness and upkeep
10	Power Backup Facilities	Yes	-	Adequate	Generator support

Related Documents copy:

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION APPROVAL PROCESS HANDBOOK (2024-25 to 2026-27) reference



3.2.1 Instructional Area

Particulars	Minimum Number of Rooms required	Carpet Area in Sq. mper Room
A. Engineering and Technology (Diploma/Under Graduate/ Post Graduate Degree/ Integrated/Dual Degree) Institutions		
Class Rooms	Total Number of Divisions per year x Total Duration of course in years x 0.5	66(For a division of 60) 33(For a division of 30)
Tutorial Rooms+	25% of total Class Room	33
Laboratory for First Year	4 (which includes 2 Laboratories for Basic sciences) : Up to an intake of 600	66
Laboratory other than First Year	2 per Course per Year up to an intake of 180 per course	66
Laboratory for Post Graduate Courses	1per Course	66
	1 Research Laboratory	66
Workshop	1 (Up to an intake of 600) +1 for an intake of 601-1200	200
Additional Laboratory/Workshop for "X" Category Courses	1	200 (For UG) 150(For Diploma)
CAD Centre/Drawing Hall#$	1(Up to an intake of 600) +1 for an intake of 601-1200	132

Fig.6.1 Instructional Area For classroom and Laboratory

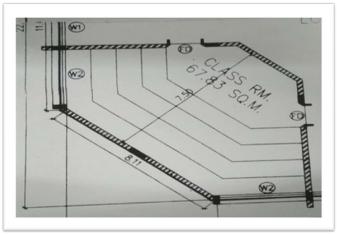


Fig. 6.2 Classroom Layout

Fig. 6.3 Classroom Structure

6.2 Availability of adequate and well-equipped workshops, Laboratories and Technical manpower to meet the curriculum requirements (40)	Total Marks 39.00
A. Adequacy (10)	Institute Marks
	10.00

The Mechatronics department possesses adequate laboratory infrastructure and workshop facilities in both Mechanical and Electronics domains to support the effective implementation of the curriculum and the attainment of Programme Outcomes (POs) and Programme Specific Outcomes (PSOs). Well-equipped laboratories are available across all three years of the diploma programme, ensuring sufficient practical exposure and hands-on learning opportunities for students.

- Adequate and well-equipped laboratories are available to meet curriculum requirements and support the attainment of POs and PSOs.
- Necessary equipment for conducting experiments is available and properly maintained.
- Computing facilities are adequately available within the department.
- Laboratories are supported by technical staff during and beyond working hours.
- Periodic laboratory audits are conducted regularly.
- Periodic laboratory maintenance is carried out effectively.

Table 6.2 Adequecy

Sr. No.	Particulars	Required as per AICTE / Curriculum Norms	Available	Adequacy Status	Quality / Remarks
1	Number of Workshops	2	2	Adequate	Well-structured and spacious
2	Number of Laboratories	6	7	Adequate	Sufficient for all practical courses
3	Major Equipment / Machinery	___	Yes	Adequate	Modern, functional, and curriculum-oriented
4	Working Capacity / Student Accommodation	___	30 Students per batch	Adequate	Comfortable and safe working space
5	Availability of Consumables / Tools	___	Yes	Adequate	Regularly replenished
6	Technical Staff / Lab Assistants	___	2	Adequate	Skilled and qualified personnel
7	Workshop Instructors	___	6	Adequate	Experienced and competent
8	Equipment Maintenance & Calibration	___	Regular	Adequate	Preventive maintenance records maintained, Calibration carried out on periodic basis.
9	Safety Measures	___	Yes	Adequate	Fire safety, PPE, first-aid, Safety charts
10	ICT / Advanced Learning Facilities	___	Yes	Adequate	IOT , 3D Scanning available.
11	Compliance with AICTE Norms	___	Yes	No deficiency	As per Approval Process Handbook
12	Additional Facilities	___	Yes	Adequate	Centre of Excellence (COE) in advance manuafacturing and testing.

Table 6.3 Dtails of Laborary

Sr. No	Name of laboratories	Number of students per setup (Batch Size)	Name of the important equipment	Weekly utilization status(all the courses for which lab is utilized)	Technical Manpower support
1	Internet of Things	4-5(25-30)	• Personal Computer ,Corei7/1700(2.5GHZ Intel CPU 16GBRAM • 8085 Micro Controller Development Board for Interfacing RS232/DB9)PC using MAX232LED & Switch Series of LED,relay to ON & OFF,7 segment display 16*2 LCD,DAC,ADC Stepper ,Servomotor Sensor Interface Board	Odd sem-28 Hrs. Even Sem-48Hrs	**Lab In- Charge** - Mr.Gaikwad N.M. (M.E Pursuing) **Lab Assistant** - Mr. Jadhav R.P. B.Voc (Renewable Energy)
2	Advance Electronics	4-5(25-30)	• Function Generator (Scientech, 10Mhz) • 50MHZ Bandwidth ,2 channel digital storage oscilloscope • Universal IC tester-UICT • Digital Trainer kit • Function Generator • DSO 50 MHZ • Power Supply Dual Output (0-30v/2amp) • Nvis 9352 Universal IC tester • Nvis 6502 Transistor Characteristics • Basic Logic gates Kits,Half/Full & Adder & Substactor,Multiplexers & Demultiplexers1.8/8:1,Rs,JK,D flip flop/Trainer Kit,shift Register,Counter • Rectifier with filter kit,Dual voltage regulator using IC 7805 & 7905,zener diode as voltage regulator,low voltage regulator using IC LM 723,High voltage	Odd sem-24 Hrs. Even sem- 30 Hrs.	**Lab In- Charge** -Ms. Patil K.V. (M.E. Electronics and Telecommunication) **Lab Assistant** - Ms. Pawar S.J. (Diploma in E&TC)

			regulator using IC-LM723,Fault finding and trouble shooting of DC regulated Power Supply		
3	PLC and control System	4-5(25-30)	• Allen Bradley PLC • Allen bradley PLC Trainer MakeXEEPL,Model:PLC MICRO-AB-1400,PLC Model:1766-L32BWAA • SCADA software:Winlog Pro • Conveyor control with object sorting(Metallic & Nonmetallic system module • Conveyor based bottle filing plant module • Control System Lab ON-OFF controller ,PID Controller,DCServo position controller system,Bread BoardPanel	Odd sem- 18Hrs Even Sem-26 Hrs	**Lab In- Charge -** Ms.Bhosale S.S. ME (Communication Network) **Lab Assistant -** Ms. Pawar S.J. (Diploma in E&TC)
4	Industrial Measurement and Automation	4-5(25-30)	• Temperature sensor Trainer kit • Electromagnetic flow meter • Rotameter Trainer kit • Water level measurement by capacitance Transducer Trainer kit • Flow measurement using Orifice plate • Flow measurement using Venturi tube • Level Measurement using air purge method with silent compressor • Measurement of negative pressure using McLeod gauge with vacuum pump • Electro- Hydraulic Trainer kit with Actual working components- Advanced Electro-hydraulic Trainer with PLC Trainer/ PLC controlled Hydraulic Trainer kit. Make –XEEPL, Model: FPE-08 with Delta PLC Trainer. • Electro- Pneumatic Trainer kit with Actual working components- Advanced Electro-Pneumatic Trainer with PLC Trainer/ PLC controlled Pneumatic Trainer kit. Make –XEEPL, Model: FPE-07 with Mitsubishi PLC Trainer • Temperature mmt using RTD,Thermistor,Thermocouple IC Temperature Sensor	Odd sem- 24Hrs Even Sem-36 Hrs	**Lab In- Charge -**Ms.Rathore Rupali ME (Thermal Engineering) **Lab Assistant -** Ms. Pawar S.J. (Diploma in E&TC)
5	Robotics Lab	4-5(25-30)	• Fanuc Robot • Stabilizer • Bag Gripper/ZO1SYSI56246 • GP410NC-C/2 Jaw parallel gripper Pnumatic • GPD5008NC/3 Jaw concentric gripper Pnumatic	Odd sem- 12Hrs	**Lab In- Charge -**Dr. Jadhav P.A PhD (Mechanical) **Lab Assistant -** Mr. Jadhav R.P. B.Voc (Renewable Energy)
6	Applied Mechanics Lab	4-5(25-30)	• Rockwell cum Brinell hardness tester, Fatigue testing machine. • Brinell hardness tester	Odd Sem-08Hrs Even- Sem-22 Hrs.	**Lab In- Charge -** Mrs. Jadhav R.R. BE (Civil) **Lab Assistant-** Mr. Patil R.V. ITI(Fitter)
7	Theory of Machine Lab	4-5(25-30)	• Peel tester-maximum capacity 100 N • Balancing machine: static & dynamic balancing of Rotating Masses Apparatus	Odd Sem-16 Hrs Even- Sem-16 Hrs.	**Lab In- Charge -** Ms.Rathore Rupali ME (Thermal Engineering) **Lab Assistant-** Mr. Jadhav R.P. B.Voc (Renewable Energy)
8	Physics Lab	4-5(25-30)	• He Ne Laser	Odd Sem- 14 Hrs Even Sem-32 Hrs.	**Lab In- Charge-** Mr. Salunke B.S. M.Sc. B.Ed Physics **Lab Assistant -**Mr. Shelke P.V. BSc
9	Chemistry Lab	4-5(25-30)	• Digital Nephelometer 31/2 LED display • Muffle Furnace Digital size 22*10*10 cms, 1600w, • B.R. Instrument.	Odd Sem- 34 Hrs. Even Sem-30Hrs	**Lab In- Charge -** Mrs. Lakhe M.C. Ph.D. ,M.Sc.Chem **Lab Assistant -**Ms.Patil P.K Bsc.

Table 6.4 Dtails of Workshop

Sr.No.	Name of the Workshop	No. of students per Batch	Name of the Power tools/machine tools	Weekly utilization
1.	Fitting Section	4-5(25-30)	Pillar Drill Machine-01	Odd Sem -32 Hrs Even Sem-24 Hrs
			Bench Grinder-01	
			Surface Plate-01	
			Drill Machine Vice-01	
			Bench Vice- 21	
2.	Black Smithy Section		Anvil -02	
			Open Hearth Furnace-01	
			Quenching Tank-01	
			Swage Block-01	
			Leg Vice-01	
3.	Carpentry Section		Wood Turning Lathe-02	
			Carpentry Vice-20	
4.	Welding Section		Welding Machine(Arc)-02	
			Spot Welding Machine-01	
			Bench Vice- 24	
5.	Sheet Metal Shop		Shearing Machine-02	
6.	Press shop		Fly Press Machine-01	
7.	Plumbing shop		Pipe Vice-04	
8.	Machine shop		Radial Drilling Machine-01	
			Power Saw-01	
			Bench Grinder-01	
			Shaper Machine-01	
			Surface Plate-01	
			Drill Machine Vice-01	
			Shaper Machine Vice-01	
			Electronic Weighing Machine-01	
			VMC-01	
			Lathe Machine Belt Drive - 18	
			Lathe Machine All Gear Drive -02	

CNC Lathe Machine-01
Universal Milling Machine- 01

Fig. 6.4 Machine Shop

Fig. 6.5 IME Lab

Fig. 6.6 PLC& Control System

Fig. 6.7 ADE Lab

Fig.6.8 IoT Lab

Fig. 6.9- 6 Axis Robot

B. Quality of Labs/workshop (20)	Institute Marks
	19.00

The department has adequate, well-equipped, and modern laboratories/workshops to effectively support curriculum delivery, practical learning.

The laboratories are designed to provide hands-on experience in emerging and core areas such as Internet of Things (IoT), Advanced Electronics, PLC & Control Systems, Industrial Automation, Robotics, Applied Mechanics, Physics, and Chemistry. The department continuously upgrades laboratory facilities with industry-oriented equipment such as Fanuc Robots, Allen Bradley PLCs, SCADA software, Electro-Hydraulic and Pneumatic Trainers, Digital Storage Oscilloscopes, and Microcontroller Development Boards.

Table 6.5 Quality Of Lab/ Workshop

Sr.No.	Parameter	Details/ Remarks
1	Infrastructure Quality	Spacious, well-ventilated, and properly illuminated laboratories/workshops with safe working environment.

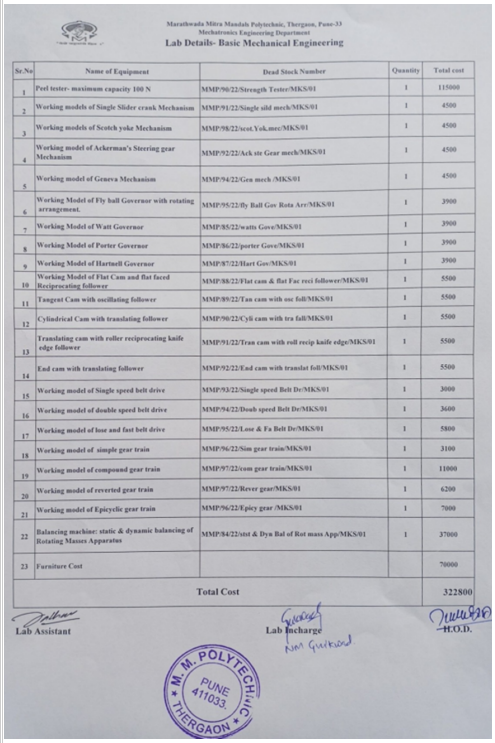
2	Equipment Availability	Adequate and modern equipment/machinery as per curriculum requirements.
3	Equipment Condition	Regular maintenance, calibration, and servicing of tools/equipment.
4	Safety Measures	Availability of fire extinguishers, safety instructions, PPE kits, first-aid box.
5	Technical Support	Qualified instructors, lab assistants, and workshop staff available for smooth conduct.
6	Practical Exposure	Hands-on training through experiments, demonstrations.
7	Modernization	Upgraded with industry-relevant technologies, software, and advanced machines.
8	Learning Resources	Lab manuals, charts, SOPs, internet facility, and digital learning aids available.
9	Utilization	Proper scheduling and optimum use of laboratories/workshops throughout the academic year.
10	Student Feedback	Regular feedback collected and improvements implemented.

1.Infrastructure quality:

Fig.6.10 IoT Lab

Fig. 6.11 PLC& Control System

2.Equipment availability



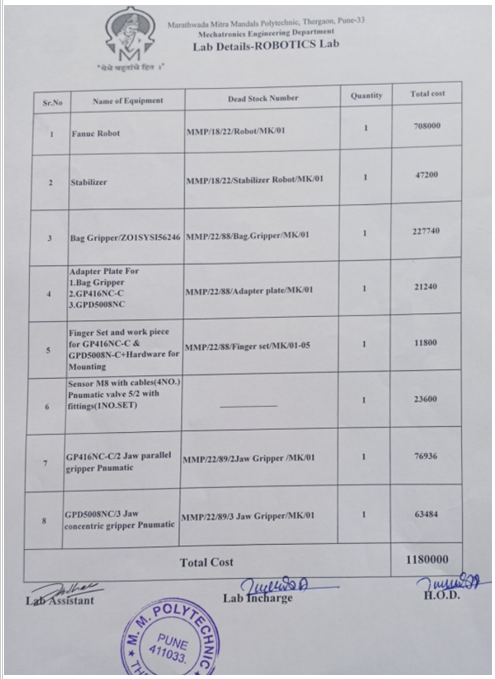
Marathwada Mitra Mandals Polytechnic, Thergaon, Pune-33
Mechatronics Engineering Department

Lab Details- Basic Mechanical Engineering

Sr.No	Name of Equipment	Dead Stock Number	Quantity	Total cost
1	Peel tester- maximum capacity 100 N	MMP/90/22/Strength Tester/MKS/01	1	115000
2	Working models of Single Slider crank Mechanism	MMP/91/22/Single sild mech/MKS/01	1	4500
3	Working models of Scotch yoke Mechanism	MMP/98/22/scot.Yok,mec/MKS/01	1	4500
4	Working model of Ackerman's Steering gear Mechanism	MMP/92/22/Ack ste Gear mech/MKS/01	1	4500
5	Working model of Geneva Mechanism	MMP/94/22/Gen mech /MKS/01	1	4500
6	Working Model of Fly ball Governor with rotating arrangement.	MMP/95/22/fly Ball Gov Rota Arr/MKS/01	1	3900
7	Working Model of Watt Governor	MMP/85/22/watts Gove/MKS/01	1	3900
8	Working Model of Porter Governor	MMP/86/22/porter Gove/MKS/01	1	3900
9	Working Model of Hartnell Governor	MMP/87/22/Hart Gov/MKS/01	1	3900
10	Working Model of Flat Cam and flat faced Reciprocating follower	MMP/88/22/Flat cam & flat Fac reci follower/MKS/01	1	5500
11	Tangent Cam with oscillating follower	MMP/89/22/Tan cam with osc foll/MKS/01	1	5500
12	Cylindrical Cam with translating follower	MMP/90/22/Cyli cam with tra fall/MKS/01	1	5500
13	Translating cam with roller reciprocating knife edge follower	MMP/91/22/Tran cam with roll recip knife edge/MKS/01	1	5500
14	End cam with translating follower	MMP/92/22/End cam with translat foll/MKS/01	1	5500
15	Working model of Single speed belt drive	MMP/93/22/Single speed Belt Dr/MKS/01	1	3000
16	Working model of double speed belt drive	MMP/94/22/Doub speed Belt Dr/MKS/01	1	3600
17	Working model of lose and fast belt drive	MMP/95/22/Lose & Fa Belt Dr/MKS/01	1	5800
18	Working model of simple gear train	MMP/96/22/Sim gear train/MKS/01	1	3100
19	Working model of compound gear train	MMP/97/22/com gear train/MKS/01	1	11000
20	Working model of reverted gear train	MMP/97/22/Rever gear/MKS/01	1	6200
21	Working model of Epicyclic gear train	MMP/96/22/Epicy gear /MKS/01	1	7000
22	Balancing machine: static & dynamic balancing of Rotating Masses Apparatus	MMP/84/22/stst & Dyn Bal of Rot mass App/MKS/01	1	37000
23	Furniture Cost			70000
	Total Cost			322800

Lab Assistant Lab Incharge H.O.D.

M.M. POLYTECHNIC PUNE 411033 THERGAON

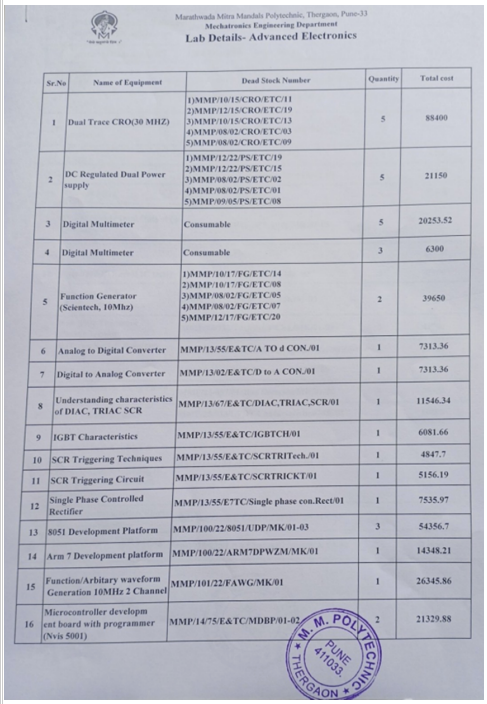


Marathwada Mitra Mandals Polytechnic, Thergaon, Pune-33
Mechatronics Engineering Department
Lab Details-ROBOTICS Lab

Sr.No	Name of Equipment	Dead Stock Number	Quantity	Total cost
1	Fanuc Robot	MMP/18/22/Robot/MK/01	1	705000
2	Stabilizer	MMP/18/22/Stabilizer Robot/MK/01	1	47200
3	Bag Gripper/ZO1SYSI56246	MMP/22/88/Bag.Gripper/MK/01	1	227740
4	Adapter Plate For 1.Bag Gripper 2.GP416NC-C 3.GPD5008NC	MMP/22/88/Adapter plate/MK/01	1	21240
5	Finger Set and work piece for GP416NC-C & GPD5008N-C+Hardware for Mounting	MMP/22/88/Finger set/MK/01-05	1	11800
6	Sensor M8 with cables(4NO.) Pnumatic valve 5/2 with fittings(1NO.SET)	_____	1	23600
7	GP416NC-C/2 Jaw parallel gripper Pnumatic	MMP/22/89/2Jaw Gripper /MK/01	1	76936
8	GPD5008NC/3 Jaw concentric gripper Pnumatic	MMP/22/89/3 Jaw Gripper/MK/01	1	63484
	Total Cost			1180000

Lab Assistant Lab Incharge H.O.D.

M. M. POLYTECHNIC PUNE 411033



Marathwada Mitra Mandals Polytechnic, Thergaon, Pune-33
Mechatronics Engineering Department
Lab Details- Advanced Electronics

Sr.No	Name of Equipment	Dead Stock Number	Quantity	Total cost
1	Dual Trace CRO(30 MHZ)	1)MMP/10/15/CRO/ETC/11 2)MMP/12/15/CRO/ETC/19 3)MMP/10/15/CRO/ETC/13 4)MMP/08/02/CRO/ETC/03 5)MMP/08/02/CRO/ETC/09	5	88400
2	DC Regulated Dual Power supply	1)MMP/12/22/PS/ETC/19 2)MMP/12/22/PS/ETC/15 3)MMP/08/02/PS/ETC/02 4)MMP/08/02/PS/ETC/01 5)MMP/09/05/PS/ETC/08	5	21150
3	Digital Multimeter	Consumable	5	20253.52
4	Digital Multimeter	Consumable	3	6300
5	Function Generator (Scientech, 10Mhz)	1)MMP/10/17/FG/ETC/14 2)MMP/10/17/FG/ETC/08 3)MMP/08/02/FG/ETC/05 4)MMP/08/02/FG/ETC/07 5)MMP/12/17/FG/ETC/20	2	39650
6	Analog to Digital Converter	MMP/13/55/E&TC/A TO d CON./01	1	7313.36
7	Digital to Analog Converter	MMP/13/02/E&TC/D to A CON./01	1	7313.36
8	Understanding characteristics of DIAC, TRIAC SCR	MMP/13/67/E&TC/DIAC,TRIAC,SCR/01	1	11546.34
9	IGBT Characteristics	MMP/13/55/E&TC/IGBTCH/01	1	6081.66
10	SCR Triggering Techniques	MMP/13/55/E&TC/SCRTRITech./01	1	4847.7
11	SCR Triggering Circuit	MMP/13/55/E&TC/SCRTRICKT/01	1	5156.19
12	Single Phase Controlled Rectifier	MMP/13/55/E7TC/Single phase con.Rect/01	1	7535.97
13	8051 Development Platform	MMP/100/22/8051/UDP/MK/01-03	3	54356.7
14	Arm 7 Development platform	MMP/100/22/ARM7DPWZM/MK/01	1	14348.21
15	Function/Arbitary waveform Generation 10MHz 2 Channel	MMP/101/22/FAWG/MK/01	1	26345.86
16	Microcontroller developm ent board with programmer (Nvis 5001)	MMP/14/75/E&TC/MDBP/01-02	2	21329.88

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17	50MHZ Bandwidth ,2 channel digital storage oscilloscope	MMP/25/22/DSO/MK/01-04	4	103840
18	Universal IC tester-UICT	MMP/25/22/IC.Tester/MK/01	1	62304
19	Digital Trainer kit	MMP/29/22/DT KIT/MK/01-05	5	54516
20	Use of stepper motor as servo system	MMP/31/22/Servo System/MK/01	1	24869.68
21	Use of potentiometer as error detector	MMP/33/22/Error Detector/MK/01	1	11266.64
22	Diod Characteristic(SI,Zener, LED)	MMP/13/02/E&TC/ DC kit/01	1	4495
23	Function Generator	MMP/25/156/Fun.Generator/MK/01-03	3	46590
24	DSO 50 MHZ	MMP/25/157/DSO/01	1	32600
25	Power Supply Dual Output (0-30v/2amp)	MMP/25/157/Power Supply/MK/01-05	5	92500
26	Digital Multimeter	Consumable	5	11000
27	Nvis 9352 Universal IC tester	MMP/25/027/IC TESTER/MK/02	1	45600
28	Nvis 6501 Diode Characteristics	MMP/25/144/Diode Cha./MK/01-03	3	25800
29	Nvis 6502 Transistor Characteristics	MMP/25/135/Transistor Cha./MK/01-03	3	41700
30	BJT as a Switch & voltage Divider	MMP/25/101/Switch & Voltage Divider/MK/01	3	20700
31	FET Characteristivcs	MMP/25/062/FET Charact.r/MK/01-03	3	22500
32	Motion Detector using Photo electric sensor	MMP/25/057/Motion Detector/MK/01-02	2	25000
33	LVDT Characteristics	MMP/25/033/LVDT Characteristics/MK/01	1	19500
34	Basic Logic gates Kits,Half/Full & Adder & Substactor,Multiplexers & Demultiplexers1:8/8:1,Rs,JK, D flip flopTrainer Kit,shift Register,Counter	MMP/25/029/Logic gates/MK/01-04	4	76000
35	RC Ccoupled amplifiers Single &Two Stage amplifier	MMP/25/123/RC Coupled amplifier/MK/01	1	6500
36	Characteristic of LDR varing light intensity	MMP/25/038/LDR Characteristics/MK/01-02	2	13900

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37	rectifier with filter kit,Dual voltage regulator using IC 7805 & 7905,zener diode as voltage regulator,low voltage regulator using IC LM 723,High voltage regulator using IC-LM723,Fault finding and trouble shooting of DC regulated Power Supply	MMP/25/80/RECTIFIER Filter Kit/01-04	4	95600
38	Furniture Cost			70000
	Total Cost			1248710.07

Lab Assistant Lab Incharge H.O.D.

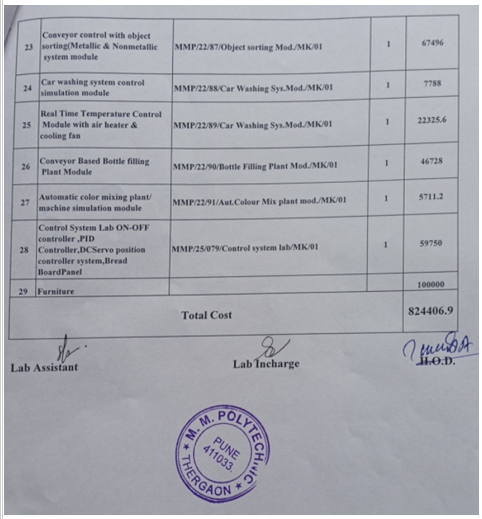
M. M. POLYTECHNIC PUNE 411033 THERGAON

Marathwada Mitra Mandals Polytechnic, Thergaon, Pune-33
Mechatronics Engineering Department

Lab Details- PLC and Control System Lab

Sr.No	Name of Equipment	Dead Stock Number	Quantity	Total cost
1	SCR Alarm Circuit /Burglar Alarm kit	MMP/82/22/SCR/Alarm circuit/MK/01	1	6513.01
2	RS Logic PLC Software		1	17139.5
3	D.C. Position control system	MMP/12/56/E&TC/DCPOCONSYS/01	1	17943.75
4	A.C. Position control system	MMP/12/57/E&TC/ACPOCONSYS/01	1	17943.75
5	PI & PID controller microcontroller 16F870with LCD display, PT 100 RTD	MMP/12/59/E&TC/PIPIDCON/01	1	23456.25
6	Allen Bradley PLC	MMP/14/68/E&TC/ABPLC/01	1	189162
7	Temperature control by PLC		1	4926
8	Motor and Switches control by PLC		1	5518
9	Inductive Proximity Sensor		1	1314
10	Capacitive proximity Sensor		1	1927
11	Traffic Light control by PLC	MMP/98/22/TLC PLC/MK/01	1	8324.9
12	Control system simulator	MMP/83/22/Cont.Sys.sim./MK/01	1	20028.73
13	Allen bradley PLC Trainer Make XEEPL,Model:PLC MICRO-AB-1400,PLC Model:1766-L32BWAA	MMP/22/77/Allen Bradly/MK/01	1	98648
14	SCADA software:Winlog Pro	MMP/22/78/Scada Soft./MK/01	1	46728
15	DOL starter simulation module	MMP/22/79/DOL Startor Simu./MK/01	1	5711.2
16	Implement siren using timer instruction module	MMP/22/80/Timer Instr.Mod./MK/01	1	5711.2
17	Up/Down counter to make lamp ON/OFFsimulation module	MMP/22/81/Lamp ON/OFF Sim.Mod./MK/01	1	5711.2
18	Automatic star delta starter using on delay timer module	MMP/22/82/Delay Timer Mod./MK/01	1	6749.6
19	4 fan or Motor ON-OFF sequence control module	MMP/22/83/Motor On-Off Seq.Con.Mod./MK/01	1	12980
20	Automated Elevator Control Module	MMP/22/84/Auto.elevator Control Mod./MK/01	1	6749.6
21	Car Parking system module	MMP/22/85/Car parking Mod./MK/01	1	5711.2
22	Tank level control module	MMP/22/86/Tank Level Con.Mod./MK/01	1	5711.2

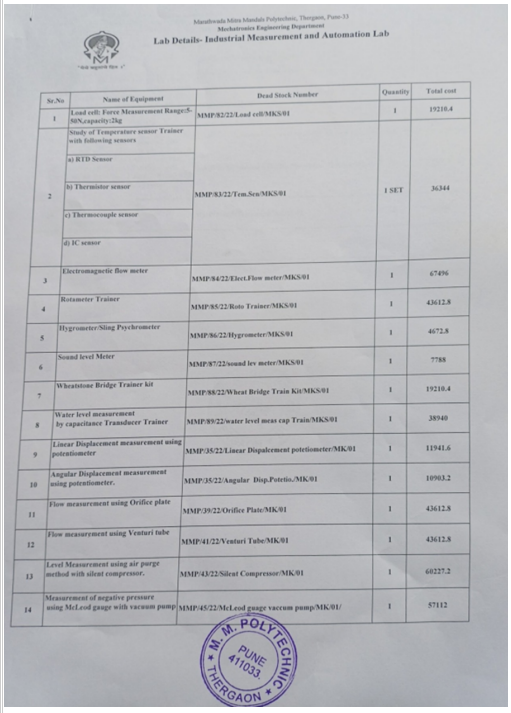
M. M. POLYTECHNIC PUNE 411033 THERGAON



23	Conveyor control with object sorting(Metallic & Nonmetallic system module	MMP/22/87/Object sorting Mod./MK/01	1	67496
24	Car washing system control simulation module	MMP/22/88/Car Washing Sys.Mod./MK/01	1	7788
25	Real Time Temperature Control Module with air heater & cooling fan	MMP/22/89/Car Washing Sys.Mod./MK/01	1	22325.6
26	Conveyor Based Bottle filling Plant Module	MMP/22/90/Bottle Filling Plant Mod./MK/01	1	46728
27	Automatic color mixing plant/ machine simulation module	MMP/22/91/Aut.Colour Mix plant mod./MK/01	1	5711.2
28	Control System Lab ON-OFF controller ,PID Controller,DCServo position controller system,Bread BoardPanel	MMP/25/079/Control system lab/MK/01	1	59750
29	Furniture			100000
	Total Cost			824406.9

Lab Assistant Lab Incharge H.O.D.

M. M. POLYTECHNIC PUNE 411033 THERGAON



Marathwada Mitra Mandals Polytechnic, Thergaon, Pune-33
Mechatronics Engineering Department

Lab Details- Industrial Measurement and Automation Lab

Sr.No	Name of Equipment	Dead Stock Number	Quantity	Total cost
1	Load cell: Force Measurement Range:5-50N,capacity-2kg	MMP/82/22/Load cell/MKS/01	1	19210.4
2	Study of Temperature sensor Trainer with following sensors a) RTD Sensor b) Thermistor sensor c) Thermocouple sensor d) IC sensor	MMP/83/22/Tem.Scn/MKS/01	1 SET	36344
3	Electromagnetic flow meter	MMP/84/22/Elect.Flow meter/MKS/01	1	67496
4	Rotameter Trainer	MMP/85/22/Roto Trainer/MKS/01	1	43612.8
5	Hygrometer/Sling Psychrometer	MMP/86/22/Hygrometer/MKS/01	1	4672.8
6	Sound level Meter	MMP/87/22/sound lev meter/MKS/01	1	7788
7	Wheatstone Bridge Trainer kit	MMP/88/22/Wheat Bridge Train Kit/MKS/01	1	19210.4
8	Water level measurement by capacitance Transducer Trainer	MMP/89/22/water level meas cap Train/MKS/01	1	38940
9	Linear Displacement measurement using potentiometer	MMP/35/22/Linear Dispalcement potetiometer/MK/01	1	11941.6
10	Angular Displacement measurement using potentiometer.	MMP/35/22/Angular Disp.Potetio./MK/01	1	10903.2
11	Flow measurement using Orifice plate	MMP/39/22/Orifice Plate/MK/01	1	43612.8
12	Flow measurement using Venturi tube	MMP/41/22/Venturi Tube/MK/01	1	43612.8
13	Level Measurement using air purge method with silent compressor.	MMP/43/22/Silent Compressor/MK/01	1	60227.2
14	Measurement of negative pressure using McLeod gauge with vacuum pump	MMP/45/22/McLeod guage vaccum pump/MK/01/	1	57112

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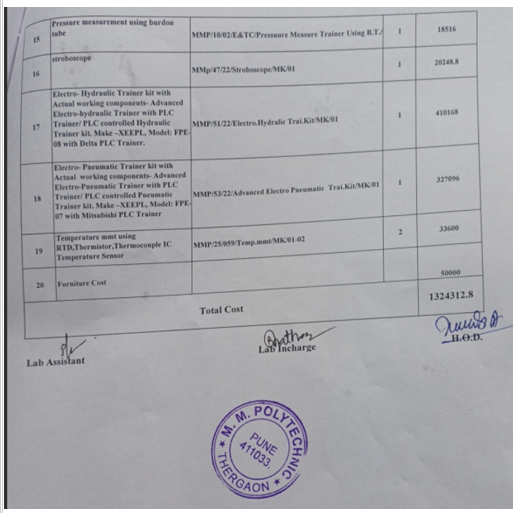


15	Pressure measurement using burdon tube	MMP/10/02/E&TC/Pressure Measure Trainer Using B.T./	1	18516
16	stroboscope	MMp/47/22/Stroboscope/MK/01	1	20248.8
17	Electro- Hydraulic Trainer kit with Actual working components- Advanced Electro-hydraulic Trainer with PLC Trainer/ PLC controlled Hydraulic Trainer kit. Make –XEEPL, Model: FPE-08 with Delta PLC Trainer.	MMP/51/22/Electro.Hydralic Trai.Kit/MK/01	1	410168
18	Electro- Pneumatic Trainer kit with Actual working components- Advanced Electro-Pneumatic Trainer with PLC Trainer/ PLC controlled Pneumatic Trainer kit. Make –XEEPL, Model: FPE-07 with Mitsubishi PLC Trainer	MMP/53/22/Advanced Electro Pneumatic Trai.Kit/MK/01	1	327096
19	Temperature mnt using RTD,Thermistor,Thermocouple IC Temperature Sensor	MMP/25/059/Temp.mnt/MK/01-02	2	33600
20	Furniture Cost			50000
	Total Cost			1324312.8

Lab Assistant Lab Incharge H.O.D.

M. M. POLYTECHNIC PUNE 411033 THERGAON

3. Safety Aspects

Fig.6.12 Safety Measures

4. Modernization of Laboratories

The laboratories are being continiously updated and the details are provided in following table 6.6

Table 6.6 Details of Modernization

Sr no	Name of Equipment	Purpose
1	3 D Printer	The 3D printer was introduced to train students in line with Industry 4.0 and advanced manufacturing technologies.
2	Vertical Milling Machine	The Vertical Milling Machine was introduced to modernize the conventional machining laboratory and provide students with practical exposure to precision machining and advanced manufacturing operation
3	Centre of Excellence in Advanced manufacturing & testing	The Centre of Excellence in Advanced manufacturing & testing is introduced to Mechatronics department to train students and technicians in advanced manufacturing methods, machines, tools, and testing equipment ,also to support the surrounding industries for manufacturing and testing.
4	3 D Scanner	The 3 D Scanner was introduced in the mechatronics department to scans a physical object and converts it into a computer-based 3D model.
5	EV Cut Section	The EV cut section was introduced to provide students practical exposure to emerging electric vehicle technology and sustainable transportation systems.

5. Utilization of Laboratory

The figure 6.13 shows sample time table of Lab indicating utilization

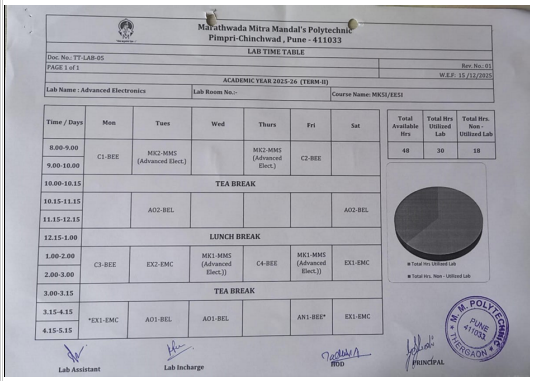


Fig. 6.13 Utilization

C. Technical Manpower support –Eligible and Adequate (10) | Institute Marks: 10.00

The department possesses qualified and adequate technical manpower support for effective operation, maintenance, and utilization of all laboratories. Each laboratory is managed by a dedicated lab-incharge with relevant UG/PG/Ph.D. qualifications and supported by trained lab-technicians with diploma, vocational, ITI, or specialized technical backgrounds.

- Every laboratory has separate faculty supervision for planning, scheduling, conduct of practicals, and maintenance.
- Lab Assistants are available for all major laboratories to support equipment handling, calibration, troubleshooting, consumable management, and student assistance.

The manpower structure supports:

- Routine maintenance of advanced equipment
- Safety compliance
- Lab preparation before practical sessions
- Continuous weekly utilization across odd/even semesters
- Assistance in project work and mini-project implementation

Table 6.7 Details of Technical Manpower Support

Sr.No.	Lab Name	Name of Technical Staff	Designation	Qualification	Experience
1	Internet of Things Lab/ Robotics / Theory of Machines	Mr. Jadhav R.P.	Lab Assistant	B.Voc (Renewable Energy)	Lab Assistant-2.2 yrs, Industry -1.0 yr
2	Advance Electronics/ PLC and control System / Industrial Measurement and Automation	Ms. Pawar S.J.	Lab Assistant	DTE in Electronics & Telecommunication	Lab Assistant-18.9 yrs
3	Applied Mechanics Lab	Mr.Patil R.V.	Lab Assistant	ITI(Fitter)	Lab Assistant-16.3 yrs Industry -7.2 yrs
4	Fitting Section	Mr. M. D. Deokar	Instructor	ITI, NCTVT	Instructor -17.11 yrs Industry- 1.9 yrs.
5	Black Smithy Section/ Sheet Metal Shop	Mr. Sagar M. U.	Instructor	ITI Electrical	Instructor-2.6 yrs Industry -02 yrs
6	Carpentry Section/ Press shop	Mr.Dalbhanjan R.S.	Instructor	ITI, NCTVT	Instructor-19.7 yrs Industry -5.2 yrs
7	Welding Section	Mr. Lohar J. B.	Instructor	ITI, NCTVT	Instructor-17.10 yrs Industry -4.9 yrs
8	Plumbing Shop/ Machine shop	Mr. More D.M.	Instructor	ITI,Vocational diploma in Machining	Instructor-16.10 yrs Industry -2.2 yrs
9	Molding shop	Mr. Jadhav L. P.	Instructor	ITI, NCTVT	Instructor18 yrs

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment(Costing more than Rs.30,000)	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Internet of Thing	30	Personal Computb	Odd sem- 28 Eve	Mr. Jadhav R.P.	Lab Assistant	B.Voc (Renewablı
2	Advance Electron	30	Function Generat	Odd sem-24 Eve	Ms. Pawar S.J.	Lab Assistant	DTE in Electronic
3	PLC and control S	30	Allen Bradley PLC	Odd sem- 18 Eve	Ms. Pawar S.J.	Lab Assistant	DTE in Electronic
4	Industrial Measur	30	Temperature sens	Odd sem-24 Eve	Ms. Pawar S.J.	Lab Assistant	DTE in Electronic
5	Robotics Lab	30	Fanuc Robot,Stab	Odd sem-12	Mr. Jadhav R.P.	Lab Assistant	B.Voc (Renewablı
6	Applied Mechanic	30	Rockwell cum Bri	Odd sem- 08 Eve	Mr. Patil R.V.	Lab Assistant	ITI(Fitter)
7	Theory of Machin	30	Peel tester-maxin	Odd sem-16 Ever	Mr. Jadhav R.P.	Lab Assistant	B.Voc (Renewa
8	Physics Lab	30	He-Ne Laser	Odd sem-36 Ever	Mr. Shelke P.V.	Lab Assistant	BSC in PCIC
9	Chemistry Lab	30	Digital Nephelom	Odd sem-36 Ever	Ms. Patil P.K.	Lab Assistant	MBA ,BSc
10	Fitting Section	30	Pillar Drill Machin	Odd Sem -32 Ho	Mr. M. D. Deokar	Instructor	ITI, NCTVT
11	Black Smithy Sect	30	Open Hearth Furn	Odd Sem -32 Ho	Mr. Sagar M. U.	Instructor	ITI Electrical

12	Carpentry Section	30	Wood Turning Lat	Odd Sem -32 Hr	Mr. Dalbhanjan R	Instructor	ITI, NCTVT
13	Welding Section	30	Welding Machinet	Odd Sem -32 Hr	Mr. Harihar J. B.	Instructor	ITI, NCTVT
14	Sheet Metal Shop	30	Shearing Machine	Odd Sem -32 Hr	Mr. Sagar M. U.	Instructor	ITI Electrical
15	Press Shop	30	Fly Press Machine	Odd Sem -32 Hr	Mr.Dalbhanjan R.	Instructor	ITI, NCTVT
16	Plumbing shop	30	Pipe Vice	Odd Sem -32 Hr	Mr. More D.M.	Instructor	ITI,Vocational dig
17	Machine shop	30	VMC	Odd Sem -32 Hr	Mr. More D.M.	Instructor	ITI,Vocational dig

6.3 Additional facilities created for improving the quality of learning experience in laboratories (20) — **Total Marks 20.00**

A. Facilities (10) — Institute Marks: 10.00

The Department of Mechatronics Engineering has established various student-centric facilities to strengthen experiential learning, practical exposure, digital learning, innovation, and industry-oriented education. These facilities support effective implementation of outcome-based education (OBE) and enhance the overall teaching-learning process.

Table 6.8 Additional Facilities Created for Enhancing Learning Experience

Sr. No.	Category	Facility Created	Purpose
1	Digital Learning Facilities	Student Institutional Email ID	To facilitate official academic communication, information sharing, and institutional coordination among students and faculty.
2		Google Classroom	To provide digital access to study materials, assignments, announcements, and learning resources for effective online learning.
3		Virtual Laboratory	To support simulation-based learning, practical understanding, and conceptual clarity through virtual experiments.
4		Internet and Network Connectivity	To provide internet connectivity for online learning, research activities, and access to digital academic resources.
5		BMS/NPTEL/SWAYAM Access	To encourage self-learning, skill enhancement, and online certification through MOOC platforms.
6		Digital Learning Content Repository	To provide access to digital notes, recorded lectures, tutorials, question banks, and e-learning content.
7	Smart Teaching Facilities	Smart Board, LCD Projector, and ICT Enabled Classrooms	To support interactive, technology-enabled, and student-centric teaching-learning practices through effective visualization and digital content delivery.
8	Academic Support Facilities	Departmental Library	To provide access to technical books, journals, magazines, and reference materials for academic enrichment.
9		Departmental Technical Newsletter, Journals, Magazines	To promote technical awareness, creativity, knowledge sharing, and updates on recent technological trends.
10		Project and Mini Project Repository, Old Project Reports	To maintain project documentation for academic reference, innovative learning, and project guidance.
11		Seminar Hall	To conduct seminars, workshops, guest lectures, technical presentations, and expert sessions for enhancing technical learning and industry interaction.
12		Question Bank Repository	To support examination preparation, self-study, and improvement in academic performance.
13	Innovation and Project Facilities	Project Laboratory	To encourage project-based learning, innovation activities, and practical implementation of technical concepts.
14		IoT Laboratory (Extended Hours Facility)	To provide hands-on learning opportunities in IoT, embedded systems, and real-time application development.
15		3D Printer	To facilitate prototype development, rapid manufacturing, and model fabrication for innovative projects.
16		3D Scanner	To support CAD model generation, reverse engineering applications, and product design activities.
17		Robotics Kit / Trainer Kits	To enhance practical understanding of robotics, automation systems, and programming skills.
18		PLC and Automation Lab Setup	To provide industrial automation training, PLC programming exposure, and control system practice.
19		Arduino and Raspberry Pi Kits	To support embedded systems development, IoT-based projects, and hardware programming activities.
20	Industry-Oriented Learning Facilities	VG TAP Centre	To provide practical exposure to automobile systems, engine technologies, and industry-oriented technical practices.
21		Industry-Supported Laboratory Equipment	To provide exposure to industrial practices, standards, and advanced technical equipment used in industries.
22		Electric Vehicle Training Centre (Sponsored by GTT Foundation)	To provide practical exposure and skill development in electric vehicle technology, maintenance, and industry-oriented applications.
23		Internship and Training Support Cell	To facilitate industrial training, internships, career exposure, and industry interaction opportunities for students.
24	Student Support Facilities	Mentoring and Counseling System	To provide academic guidance, personal support, motivation, and mentoring for overall student development.
25		Career Guidance and Placement Support	To enhance employability skills, career awareness, placement opportunities, and professional development among students.
26	Research and Development Facilities	Recognition as HUB Institute for Entrepreneurship and Startup Ecosystem Development	To promote innovation, entrepreneurship, startup culture, leadership development, and incubation activities among students.
27		Center of Excellence in Advanced Manufacturing and Testing	To provide advanced practical exposure, skill development, and industry-oriented training in manufacturing, testing, and quality engineering applications.
28		Establishment of Centre of Excellence (COE) for Mold and Die Design	To provide advanced training, design skills, and practical exposure in mold and die design, CAD/CAM applications, and manufacturing technologies.
29	Software Tools for Design and Automation	SCADA and HMI Development Software (Winlog Pro)	To provide hands-on training in SCADA, HMI development, monitoring systems, and industrial automation applications.
30		PLC Programming Software (RSLogix 2000)	To provide practical exposure to PLC programming, ladder logic development, and industrial automation systems.
31		3D Printing and Slicing Software (Simplify3D)	To support 3D model slicing, additive manufacturing, and prototype development applications.
32		CAD Drafting and Modeling Software (AutoCAD)	To provide training in engineering drawing, drafting, 2D/3D modeling, and design applications.
33		3D Product Design Software (Creo 5.0)	To provide training in 3D modeling, product design, assembly, simulation, and manufacturing applications.

B. Effective Utilization (5) — Institute Marks: 5.00

Effective utilization of facilities plays an important role in strengthening the academic environment and improving the overall quality of technical education. These facilities support modern teaching practices, independent learning, innovation, and skill development among students.

Table 6.9 Effective Utilization of Facilities

Sr. No.	Facility Created	Effective Utilization
1	Student Institutional Email ID	Effectively used for official academic communication, notices, assignment coordination, and student–faculty interaction.
2	Google Classroom	Extensively utilized for sharing study materials, assignments, quizzes, attendance, and online interaction.
3	Virtual Laboratory	Utilized for simulation-based experiments, demonstrations, and conceptual learning activities.
4	Internet and Network Connectivity	Provides uninterrupted internet access for online learning, research activities, and digital resources.
5	BMS/NPTEL/SWAYAM Access	Actively utilized for certification courses, self-learning, and technical skill enhancement.
6	Digital Learning Content Repository	Regularly used for accessing digital notes, PPTs, tutorials, videos, and e-learning content.
7	Smart Board, LCD Projector, and ICT Enabled Classrooms	Widely utilized for multimedia teaching, demonstrations, simulations, and ICT-enabled learning practices.
8	Departmental Library	Effectively utilized for technical reference study, project work, and academic enrichment.
9	Departmental Technical Newsletter, Journals, Magazines	Utilized to improve technical awareness and understanding of recent technological trends.
10	Project and Mini Project Repository, Old Project Reports	Used as a reference source for project documentation, idea generation, and innovative learning.
11	Seminar Hall	Extensively utilized for seminars, workshops, expert lectures, FDPs, presentations, and student activities.
12	Question Bank Repository	Regularly utilized for examination preparation, practice sessions, and self-assessment.
13	Project Laboratory	Utilized for project implementation, experimentation, innovation, and prototype development.
14	IoT Laboratory (Extended Hours Facility)	Utilized for IoT experimentation, embedded programming, and real-time project implementation beyond regular hours.
15	3D Printer	Effectively utilized for rapid prototyping, model fabrication, and product development activities.
16	3D Scanner	Used for reverse engineering, CAD model generation, and design analysis applications.
17	Robotics Kit / Trainer Kits	Utilized during practical sessions, robotics training, and automation-based project activities.
18	PLC and Automation Lab Setup	Extensively utilized for PLC programming practice, industrial automation training, and control experiments.
19	Arduino and Raspberry Pi Kits	Used for embedded programming, IoT projects, and hardware interfacing activities.
20	VG TAP Centre	Utilized for practical exposure to automobile systems, engine technologies, and maintenance practices.
21	Industry-Supported Laboratory Equipment	Utilized for practical training aligned with industrial standards and real-time applications.
22	Electric Vehicle Training Centre (Sponsored by GTT Foundation)	Extensively utilized for EV technology training, maintenance practice, and skill development programs.
23	Internship and Training Support Cell	Utilized for coordinating internships, industrial training, placement preparation, and industry interaction.

24	Mentoring and Counseling System	Utilized for academic monitoring, mentoring, counseling, and overall student guidance.
25	Career Guidance and Placement Support	Regularly utilized for aptitude training, resume building, soft skill development, and placement activities.
26	Recognition as HUB Institute for Entrepreneurship and Startup Ecosystem Development	Utilized for entrepreneurship awareness programs, startup activities, and innovation initiatives.
27	Center of Excellence in Advanced Manufacturing and Testing	Utilized for advanced technical training, testing practices, and research-oriented activities.
28	Establishment of Centre of Excellence (COE) for Mold and Die Design	Utilized for CAD/CAM training, mold design practice, and manufacturing applications.
29	SCADA and HMI Development Software (Winlog Pro)	Used for SCADA configuration, HMI development, monitoring systems, and automation-based practical sessions.
30	PLC Programming Software (RSLogix 2000)	Effectively utilized for PLC programming, ladder logic simulation, and industrial automation experiments.
31	3D Printing and Slicing Software (Simplify3D)	Utilized for 3D model slicing, print optimization, and additive manufacturing applications.
32	CAD Drafting and Modeling Software (AutoCAD)	Widely utilized for engineering drawing, drafting practice, and 2D/3D modeling activities.
33	3D Product Design Software (Creo 5.0)	Utilized for product modeling, assembly design, simulation, and manufacturing-oriented applications.

C. Relevance to POs/PSOs (5) | Institute Marks: 5.00

The following table presents the relevance of various facilities created in the department with respect to Program Outcomes (POs) and Program Specific Outcomes (PSOs). It also provides justification for how each facility supports student learning, technical skill development, professional growth, and continuous improvement.

Table 6.10 Relevance to Program Outcomes (POs) and Program Specific Outcomes (PSOs)

Sr. No.	Facility Created	PO & PSO Mapping	Justification
1	Student Institutional Email ID	PO6, PO7	Supports communication, coordination, professional interaction, and continuous learning activities.
2	Google Classroom	PO1, PO4, PO7	Enhances digital learning, use of modern educational tools, and self-learning practices.
3	Virtual Laboratory	PO1, PO2, PO4, PSO1	Helps students understand practical concepts, analyze engineering problems, and use simulation tools.
4	Internet and Network Connectivity	PO4, PO7	Facilitates access to digital tools, online resources, and lifelong learning opportunities.
5	BMS/NPTEL/SWAYAM Access	PO1, PO7	Encourages advanced technical learning, certification courses, and continuous professional development.
6	Digital Learning Content Repository	PO1, PO7	Provides continuous access to academic content for independent and self-paced learning.
7	Smart Board, LCD Projector, and ICT Enabled Classrooms	PO1, PO4	Supports effective teaching-learning using modern ICT tools and visualization techniques.
8	Departmental Library	PO1, PO7	Enhances technical knowledge, reference learning, and lifelong learning habits.
9	Departmental Technical Newsletter, Journals, Magazines	PO1, PO7	Improves awareness of recent technologies and promotes continuous learning.
10	Project and Mini Project Repository, Old Project Reports	PO2, PO3, PO6, PSO2	Helps students analyze previous work, design solutions, and manage project activities effectively.
11	Seminar Hall	PO6, PO7	Supports seminars, technical presentations, teamwork, communication, and professional learning.
12	Question Bank Repository	PO1, PO2	Assists in strengthening conceptual understanding and analytical problem-solving skills.
13	Project Laboratory	PO2, PO3, PO4, PO6, PSO1, PSO2	Supports project execution, design development, engineering practices, and process management.
14	IoT Laboratory (Extended Hours Facility)	PO2, PO3, PO4, PSO1, PSO2	Provides hands-on exposure to IoT systems, embedded tools, and automation process applications.
15	3D Printer	PO3, PO4, PSO2	Facilitates prototype development, innovative design, and manufacturing-oriented practices.
16	3D Scanner	PO3, PO4, PSO2	Supports reverse engineering, product design, and engineering analysis applications.
17	Robotics Kit / Trainer Kits	PO1, PO2, PO4, PSO1	Enhances practical knowledge of robotics, automation, and instrumentation systems.
18	PLC and Automation Lab Setup	PO1, PO2, PO4, PSO1, PSO2	Develops industrial automation, control system, and process management competencies.
19	Arduino and Raspberry Pi Kits	PO2, PO3, PO4, PSO1, PSO2	Supports embedded programming, IoT projects, and real-time engineering solution development.
20	VG TAP Centre	PO1, PO4, PO5, PSO1	Provides industry-oriented practical exposure and promotes sustainable engineering practices.
21	Industry-Supported Laboratory Equipment	PO1, PO4, PO5, PSO1, PSO2	Enhances industry readiness, practical competencies, and sustainable engineering applications.
22	Electric Vehicle Training Centre (Sponsored by GTT Foundation)	PO1, PO4, PO5, PSO1, PSO2	Develops skills related to EV technology, sustainable systems, and modern engineering practices.
23	Internship and Training Support Cell	PO5, PO6, PO7, PSO2	Enhances industrial exposure, professional skills, teamwork, and lifelong learning.
24	Mentoring and Counseling System	PO6, PO7	Supports personal development, leadership qualities, and continuous improvement.
25	Career Guidance and Placement Support	PO6, PO7	Improves employability, career planning, communication, and professional growth.
26	Recognition as HUB Institute for Entrepreneurship and Startup Ecosystem Development	PO3, PO5, PO6, PO7, PSO2	Promotes innovation, entrepreneurship, project management, and sustainable business practices.
27	Center of Excellence in Advanced Manufacturing and Testing	PO2, PO3, PO4, PSO1, PSO2	Enhances advanced manufacturing skills, testing practices, and technical problem-solving abilities.
28	Establishment of Centre of Excellence (COE) for Mold and Die Design	PO2, PO3, PO4, PSO2	Develops CAD/CAM design capability, manufacturing knowledge, and engineering solution skills.
29	SCADA and HMI Development Software (Winlog Pro)	PO2, PO4, PSO1, PSO2	Supports industrial monitoring, automation, and engineering tool applications.
30	PLC Programming Software (RSLogix 2000)	PO2, PO4, PSO1, PSO2	Develops PLC programming, automation control, and industrial process management skills.
31	3D Printing and Slicing Software (Simplify3D)	PO3, PO4, PSO2	Facilitates additive manufacturing, prototype optimization, and engineering design activities.
32	CAD Drafting and Modeling Software (AutoCAD)	PO3, PO4, PSO2	Enhances drafting, design visualization, and engineering modeling skills.
33	3D Product Design Software (Creo 5.0)	PO3, PO4, PSO2	Supports advanced product design, simulation, and manufacturing-oriented engineering applications.

Sr. No	Facility Name	Details	Reason(s) for creating facility	Utilization	Areas in which students are expected to have enhanced learning	Relevance to POs/PSOs
1	Student Institutio	Official institution	To establish an el	Used for notices,	Professional communicatio	PO6, PO7
2	Google Classroon	Online learning m	To support digital	Used for sharing	E-learning, self-learning, di	PO1, PO4, PO7
3	Virtual Laboratory	Simulation-based	To provide virtual	Used for simulatio	Problem analysis, simulatio	PO1, PO2, PO4, P
4	Internet and Net	Internet-enabled	To facilitate acce	Used for online le	Digital learning, research a	PO4, PO7
5	BMS/NPTEL/SWA	Access to MOOC	To encourage self	Students enroll in	Technical competency, lifel	PO1, PO7
6	Digital Learning C	Repository of digi	To provide contin	Used for self-stud	Independent learning, conc	PO1, PO7
7	Smart Board, LCI	ICT-enabled teacl	To support intera	Used for presenta	Visualization skills, concept	PO1, PO4
8	Departmental Lib	Collection of tech	To strengthen acc	Used for referenc	Discipline-specific knowledg	PO1, PO7
9	Departmental Tec	Technical publicat	To create awaren	Used for technica	Technical awareness, comm	PO1, PO7
10	Project and Mini I	Repository of pre	To support projec	Used as reference	Design thinking, project ma	PO2, PO3, PO6, P
11	Seminar Hall	Dedicated facility	To conduct works	Used for seminar	Communication skills, team	PO6, PO7
12	Question Bank Re	Collection of ques	To support exami	Used for practice,	Analytical thinking, concept	PO1, PO2
13	Project Laborator	Laboratory for pr	To encourage pro	Used for project d	Design development, practi	PO2, PO3, PO4, P
14	IoT Laboratory (E	IoT and embedde	To provide practic	Used for IoT proj	IoT skills, embedded syste	PO2, PO3, PO4, P
15	3D Printer	Additive manufac	To support rapid	Used for prototyp	Product development, man	PO3, PO4, PSO2
16	3D Scanner	Reverse engineer	To support produ	Used for reverse	Product analysis, CAD mod	PO2, PO3, PO4, P
17	Robotics Kit / Tra	Robotics and auto	To provide hands	Used during pract	Robotics, automation, instr	PO1, PO2, PO4, P
18	PLC and Automat	Industrial automa	To develop indust	Used for PLC proj	Industrial automation, cont	PO1, PO2, PO4, P
19	Arduino and Rasp	Embedded systen	To support real-ti	Used for program	Embedded systems, IoT ap	PO2, PO3, PO4, P
20	VG TAP Centre	Industry-oriented	To provide practic	Used for practical	Automobile systems, practi	PO1, PO4, PO5, P
21	Industry-Support	Industry-standarc	To bridge the gap	Used for practical	Industrial competency, pra	PO1, PO4, PO5, P

22	Electric Vehicle Tr	EV technology an	To provide skill de	Used for EV main	Sustainable technology, EV	PO1, PO4, PO5, F
23	Internship and Tr	Student internshi	To improve indus	Used for internsh	Professional development,	PO5, PO6, PO7, F
24	Mentoring and Cc	Student mentorin	To support acade	Used for counseli	Leadership, self-developme	PO6, PO7
25	Career Guidance	Placement and cc	To enhance empl	Used for aptitude	Career readiness, communi	PO6, PO7
26	Recognition as HI	Entrepreneurship	To promote innov	Used for startup	Entrepreneurship, innovatic	PO3, PO5, PO6, F
27	Center of Excellen	Advanced manufa	To provide advan	Used for testing,	Advanced manufacturing, t	PO2, PO3, PO4, F
28	Establishment of	Specialized mold	To develop CAD/(	Used for mold de	Design analysis, CAD/CAM,	PO2, PO3, PO4, F
29	SCADA and HMI I	Industrial automa	To support SCADA	Used for HMI des	Automation systems, indus	PO2, PO4, PSO1,
30	PLC Programming	PLC programming	To provide indust	Used for ladder lo	PLC programming, industria	PO2, PO4, PSO1,
31	3D Printing and S	Additive manufac	To support 3D pri	Used for slicing n	Additive manufacturing, pr	PO3, PO4, PSO2
32	CAD Drafting and	CAD drafting and	To develop draftir	Used for enginee	Drafting, engineering desig	PO3, PO4, PSO2
33	3D Product Desig	Advanced produc	To support produ	Used for 3D mod	Product design, simulation,	PO3, PO4, PSO2

6.4 Laboratories: Maintenance and overall ambiance (10) — **Total Marks 8.00**

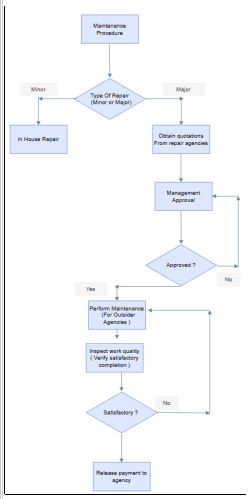
Institute Marks
8.00

The department ensures proper maintenance of laboratories and a conducive environment for effective teaching-learning through systematic procedures and continuous monitoring.

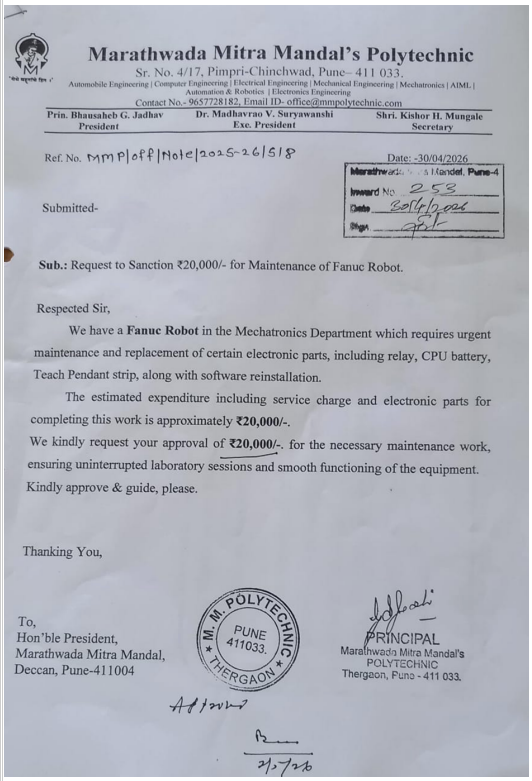
Table 6.11 Details of maintenence and ambience

Sr. No.	Parameter	Details / Remarks
1	Preventive Maintenance	Regular servicing, calibration, and upkeep of laboratory equipment and machinery.
2	Breakdown Maintenance	Timely repair and replacement of faulty equipment to ensure uninterrupted practical sessions.
3	Cleanliness	Laboratories are maintained in clean, organized, and hygienic condition.
4	Lighting & Ventilation	Adequate illumination, air circulation, and comfortable working environment.
5	Safety Measures	Fire extinguishers, first-aid kits, safety instructions.
6	Workspace Arrangement	Proper layout, organized workstations, and sufficient space for practical activities.
7	Display & Learning Aids	Charts, equipment manuals, and instructional displays enhance learning.
9	Inventory Management	Proper stock registers, issue records, and equipment monitoring systems maintained.
10	Student-Friendly Environment	Positive ambiance supporting effective practical learning and discipline.

Maintenance of electronic and mechanical instruments is necessary to keep laboratory equipment and testing instruments in proper working condition. Regular maintenance helps to ensure accuracy, safety, reliability, and long service life of the equipment.Regular maintenance prevents sudden breakdowns, reduces downtime, avoids major repair costs, improves safety during practical sessions, and ensures smooth functioning of machines and instruments. It also helps students perform practical work without interruption and gives accurate results during testing and measurement.



Flowchart 6.1 Procedure of Maintenance



Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune– 411 033.
Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics | AIML | Automation & Robotics | Electronics Engineering
Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Prin. Bhausaheb G. Jadhav	Dr. Madhavrao V. Suryawanshi	Shri. Kishor H. Mungale
President	Exe. President	Secretary

Ref. No. MMP/off/Note/2025-26/518

Date: -30/04/2026

Marathwada Mitra Mandal, Pune-4
Inward No 253
Date 30/4/2026
Sign

Submitted-

Sub.: Request to Sanction ₹20,000/- for Maintenance of Fanuc Robot.

Respected Sir,

We have a **Fanuc Robot** in the Mechatronics Department which requires urgent maintenance and replacement of certain electronic parts, including relay, CPU battery, Teach Pendant strip, along with software reinstallation.

The estimated expenditure including service charge and electronic parts for completing this work is approximately **₹20,000/-**.

We kindly request your approval of **₹20,000/-** for the necessary maintenance work, ensuring uninterrupted laboratory sessions and smooth functioning of the equipment.

Kindly approve & guide, please.

Thanking You,

To,
Hon'ble President,
Marathwada Mitra Mandal,
Deccan, Pune-411004

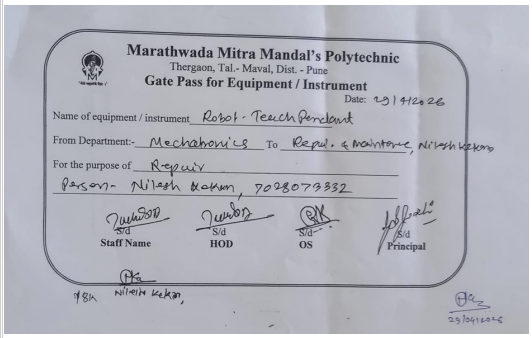
M. M. POLYTECHNIC PUNE 411033. THERGAON

PRINCIPAL
Marathwada Mitra Mandal's
POLYTECHNIC
Thergaon, Pune - 411 033.

Approved

21/7/26

Fig. 6.14 Sample of funding demand form management



Marathwada Mitra Mandal's Polytechnic
Thergaon, Tal.- Maval, Dist. - Pune
Gate Pass for Equipment / Instrument

Date: 23/4/2026

Name of equipment / instrument Robot - Teach Pendant

From Department:- Mechatronics To Repd. & Maintance, Nilesh Kekan

For the purpose of Repair

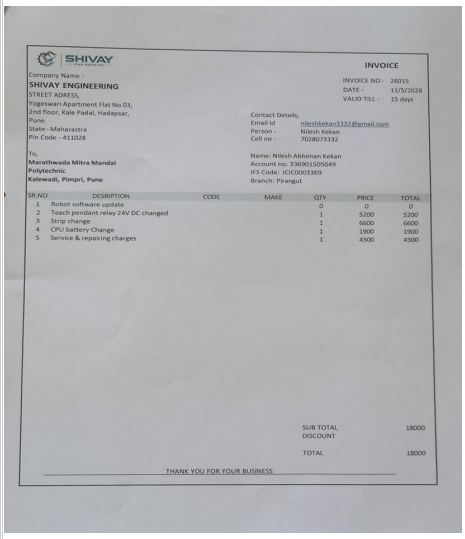
Person- Nilesh Kekan, 7028073332

Staff Name	HOD	OS	Principal
S/d	S/d	S/d	S/d

Nilesh Kekan,

23/04/2026

Fig. 6.15 Gate pass for Equipment/Instrument



SHIVAY

INVOICE

Company Name -
SHIVAY ENGINEERING
STREET ADRESS,
Yogeswari Apartment Flat No 03,
2nd Floor, Kale Padal, Hadapsar,
Pune,
State - Maharastra
Pin Code - 411028

INVOICE NO - 26015
DATE - 11/5/2026
VALID TILL - 15 days

Contact Details,
Email Id nileshkekan1332@gmail.com
Person - Nilesh Kekan
Cell no - 7028073332

To,
Marathwada Mitra Mandal Polytechnic
Kalewadi, Pimpri, Pune

Name: Nilesh Abhiman Kekan
Account no: 336901505049
IFS Code: ICIC0003369
Branch: Pirangut

SR.NO	DESRIPTION	CODE	MAKE	QTY	PRICE	TOTAL
1	Robot software update			0	0	0
2	Teach pendant relay 24V DC changed			1	5200	5200
3	Strip change			1	6600	6600
4	CPU battery Change			1	1900	1900
5	Service & repairing charges			1	4300	4300

SUB TOTAL 18000
DISCOUNT
TOTAL 18000

THANK YOU FOR YOUR BUSINESS

Fig. 6.16 Bill of Maintence of Fanuc Robot

6.5 Availability of computing facility in the department (10) — Total Marks 10.00

Institute Marks
10.00

Sr. No	No Of Computer terminals	Students Computer Ratio	Details of Legal Software	Details of Networking	Details of Printers, Scanners etc.
1	25	1.2:1	Auto cad 2022 , (	Gazon Broadbanc	3

6.6 Language lab (10) — Total Marks 10.00

Institute Marks
10.00

Importance of English and Communication Skills

The importance of the English language in professional life cannot be overstated. A strong command of English enables individuals to achieve success by fostering clarity, accuracy, and confidence. Proficiency in the language opens doors to opportunities that might otherwise remain inaccessible. Moreover, understanding the nuances of English serves as a foundation for personal growth and career advancement.

Equally vital are communication skills, which form the cornerstone of all other soft skills. Effective communication strategies are indispensable for professionals who wish to connect meaningfully with others. Thus, it is essential to provide students with opportunities to enhance both language and communication skills.

Language Laboratory at the Institute

Recognizing this need, the institute has established a dedicated language laboratory equipped with modern facilities and ICT tools. The language lab is an audio-visual installation designed to support contemporary teaching methods. Innovative and unconventional approaches are employed to refine students' communicative abilities.

Fig. 6.17 Language Lab

1. MSBTE Curriculum Integration

In alignment with current academic requirements, MSBTE has prescribed two courses:

COMMUNICATION SKILLS (ENGLISH) (First Semester)
PROFESSIONAL COMMUNICATION (Second Semester)

Students attend practical sessions in the language lab for two hours per week. These sessions are designed to provide hands-on experience and foster active learning.

2. Language Lab Setup

An advanced, state-of-the-art Language Laboratory has been established to enhance students' language and communication skills. To ensure smooth functioning, the lab is equipped with modern hardware and ICT tools, maintaining a 1:1 student-to-PC ratio.

3. Equipment and Hardware Details

Table 6.12 Equipment and Hardware Details

Sr. No.	Equipment	Quantity
1	Computers	22
2	Headphones	20
3	Projector (Epson EB 1915)	1
4	LCD Screen (8 × 6)	1
5	Speaker (Creative 5.1)	1
6	UPS (Ador POWERACE)	1

Total Area of Lab (66 Sq. Meter.)

4. Activities Conducted

a) Assignments

- MSBTE course books are used for structured delivery.
- Assignments are completed in the lab and submitted to the course coordinator.
- Marks are evaluated and uploaded to MSBTE through the coordinator's login.

b) Practical Sessions

- Remedial teaching with individual attention.
- Revision of topics and doubt clarification.
- Oral feedback on assignments with improvement suggestions.

c) Audio-Visual Learning (Videos & PPTs)

- Use of expert talks and online resources.
- PPTs prepared by faculty to reinforce concepts.
- Interactive sessions to avoid monotony.

d) Group Discussions

- Organized to improve communication skills.
- Encourages self-assessment and confidence building.
- Application of learned language skills in real-time.

e) Language Software

- **Computer-Assisted Language Learning (CALL) software developed by Dr. Shridhar Gokhale is available.**
- Promotes self-paced and interactive learning.

f) Presentations

- Students deliver presentations recorded for review.
- Playback sessions help identify weak areas and improve performance.

g) Role Plays

- Simulated real-life scenarios to prepare students for professional challenges.
- Builds adaptability and effective communication skills.

h) Online Practice Tests

- Grammar and language tests developed using **Google Forms**.
- Students assess their proficiency and track progress independently.

5. Outcomes

- Improved proficiency in English and Communication Skills among students.
- Enhanced confidence and clarity in professional interactions.
- Development of critical soft skills such as group discussion, presentation, and role play.
- Integration of ICT-based learning methods with curriculum delivery.

6. Details of Learning Resources

Table 6.13 Details of Learning Resourses

English	https://www.youtube.com/watch?v=4dr5IN1jqRE
	https://www.youtube.com/watch?v=9B-x_8iYFtQ
	https://www.youtube.com/watch?v=eUazfCkQq84
	https://www.youtube.com/user/bbclearningenglish
	https://www.youtube.com/watch?v=BO0Gt5hoHU4
Professional Communication	https://www.youtube.com/watch?v=GY3ADgnWLos
	https://www.youtube.com/watch?v=e6ZSCwv3CNg
	https://www.youtube.com/watch?v=7wUCyiyXdg
	https://www.futurelearn.com/courses/presentation-skills
	https://www.youtube.com/watch?v=mmMH6Uv7DJI
	www.BM Consultant India.Com

7. Software Details

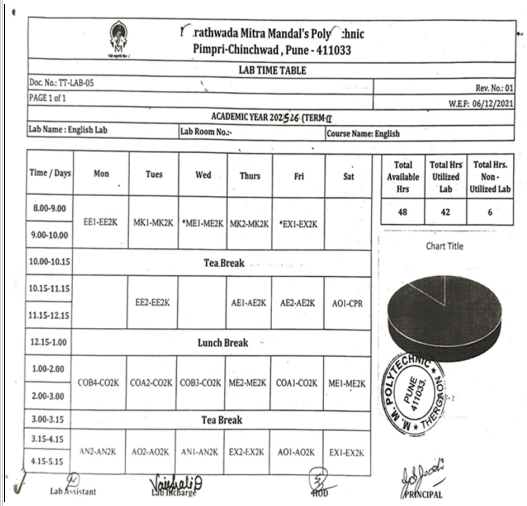
Name of Software -Biyani Technology (Open Learning resources)

Version: Enterprise Version

License Details: Install Number of times (Key Available)

Features (Recording, Monitoring, Training etc.)

8. Language Lab Utilization



rathwada Mitra Mandal's Poly hnic
Pimpri-Chinchwad , Pune - 411033

LAB TIME TABLE

Doc. No.: TT-LAB-05 | Rev. No.: 01
PAGE 1 of 1 | W.E.F: 06/12/2021
ACADEMIC YEAR 2025-26 (TERM II)
Lab Name : English Lab | Lab Room No.:- | Course Name: English

Time / Days	Mon	Tues	Wed	Thurs	Fri	Sat
8.00-9.00	EE1-EE2K	MK1-MK2K	*ME1-ME2K	MK2-MK2K	*EX1-EX2K	
9.00-10.00						
10.00-10.15	Tea Break					
10.15-11.15		EE2-EE2K		AE1-AE2K	AE2-AE2K	AO1-CPR
11.15-12.15						
12.15-1.00	Lunch Break					
1.00-2.00	COB4-CO2K	COA2-CO2K	COB3-CO2K	ME2-ME2K	COA1-CO2K	ME1-ME2K
2.00-3.00						
3.00-3.15	Tea Break					
3.15-4.15	AN2-AN2K	AO2-AO2K	AN1-AN2K	EX2-EX2K	AO1-AO2K	EX1-EX2K
4.15-5.15						

Total Available Hrs	Total Hrs Utilized Lab	Total Hrs. Non - Utilized Lab
48	42	6

Chart Title

Lab Assistant | Lab Incharge | HOD | PRINCIPAL

Fig. 6.18 Utilization

7 CONTINOUS IMPROVEMENT (75) — Total Marks 71.00

7.1 Actions taken based on the resultsof evaluation of each of the POs and PSOs (25) — Total Marks 25.00

Institute Marks
25.00

POs Attainment Levels and Actions for Improvement- (2024-25)

POs	Target Level	Attainment Level	Observations
PO 1 : Basic and Discipline specific knowledge			
PO 1	2.53	2.40	A few students were unable to achieve satisfactory performance in Basic Mathematics, Elements of Electrical Engineering, and Embedded Systems using C due to weak fundamentals and limited problem-solving abilities. Gaps were also observed in the application of basic engineering and mathematical concepts.
Action 1- Conducted remedial classes, tutorial sessions for mathematics. Action 2- Increase practical demonstrations and take chapter wise unit test. Action 3- Conduct additional coding practice during practical session.			
PO 2 : Problem analysis			
PO 2	2.36	2.27	Certain students were unable to effectively understand magnetic circuit concepts and principles of electromagnetic induction. They also faced difficulty in comprehending microcontroller architecture and its internal working concepts, which affected their ability to analyze and solve engineering problems effectively.
Action 1- Used practical demonstrations, and concept-based teaching methods for better understanding. Action 2- Increased tutorial hours and problem-solving practice sessions.			
PO 3 : Design/ development of solutions			
PO 3	2.45	2.35	Some students faced difficulty in the selection and application of motors and drives for industrial applications. They also showed weak programming logic and difficulty in writing and debugging Embedded C programs, which affected their ability to develop effective design solutions meeting the required specifications.
Action 1- The practical demonstration by students on different experiments will be conducted. Action 2- Assign micro projects to develop practical knowledge.			
PO 4 : Engineering Tools, Experimentation and Testing			
PO 4	2.39	2.30	Some students exhibited weak fundamental knowledge, insufficient practical exposure, and less application-oriented learning. In addition, inadequate exposure to modern engineering tools and testing techniques affected their ability to effectively apply concepts and perform practical tasks.
Action 1- Circuit simulation practice will be conducted. Action 2- Modern tools/software demonstrations will be organized.			
PO 5 : Engineering practices for society, sustainability and environment			
PO 5	2.45	2.35	Some students showed less understanding of the social, environmental, and sustainability aspects of Mathematics, Electrical Engineering, and Embedded Systems. They were unable to effectively relate concepts such as electrical protection devices, energy-efficient systems, statistics, optimization techniques, and embedded automation to sustainable engineering practices. As a result, awareness regarding sustainability, ethical responsibilities, and the
Action 1 -Seminars and Awareness programs will be conducted. Action 2- Industrial visits will be arranged.			
PO 6 : Project Management			
PO 6	2.38	2.29	Some students demonstrated limited teamwork, communication, and project execution skills during assignments and practical work, which affected their ability to collaborate effectively and successfully complete project-based activities.

Action 1- Technical presentations and peer learning activities will be encouraged.
Action 2- Progress will be monitored regularly.

PO 7 : Life-long learning

PO 7	2.37	2.28	Some students showed limited participation in self-learning activities and made inadequate use of online learning resources, simulation tools, and technology upgradation opportunities, which affected their continuous learning and professional development.

Action 1-Participation in technical events will be encouraged.
Action 2-Motivate students to complete certification online courses.

PSOs Attainment Levels and Actions for Improvement- (2024-25)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : Equipment and Instruments: Maintain equipment and instruments related to Mechatronics.			
PSO 1	2.49	2.39	Some students demonstrated insufficient skills in operating, handling, and maintaining mechatronics equipment, measuring instruments, and embedded hardware due to limited hands-on exposure and practical experience. This affected their confidence and proficiency in performing laboratory experiments and real-world engineering tasks effectively.
Action 1-Demonstrations on equipment handling and maintenance will be organized. Action 2-Supervised practical exercises in laboratories will be increased. Action 3-Workshops on instrument usage and safety will be arranged.			
PSO 2 : Mechatronics Processes: Manage Mechatronics processes by selecting and scheduling relevant equipment, substrates, quality control techniques, and operational parameters.			
PSO 2	2.48	2.37	Some students faced challenges in integrating concepts from Mathematics, Electrical Engineering, and Embedded Systems into Mechatronics applications. They also experienced difficulty in understanding and managing key mechatronics processes, including equipment selection, scheduling, quality control, and process optimization, which limited their ability to develop efficient and integrated engineering solutions.
Action 1-Exposure to real-time industrial processes will be enhanced through industrial visits. Action 2-Expert lectures on entrepreneurship development will be arranged.			

7.2 Improvement in Success Index of Students without the backlog (10) — **Total Marks 9.00**

Institute Marks: 9.00

Items	Latest Passed out Batch (2022-23)	Latest Passed out Batch minus 1 (2021-22)	Latest Passed out Batch minus 2 (2020-21)
Success Index (from 4.2.1)	0.29	0.30	0.60

7.3 Improvement in Placement and Higher Studies (10) — **Total Marks 9.00**

Institute Marks: 9.00

Items	Latest Passed out Batch (2022-23)	Latest Passed out Batch minus 1 (2021-22)	Latest Passed out Batch minus 2 (2020-21)
Placement Index (from 4.6)	0.99	1.07	1.08

7.4 Improvement in Academic Performance in Final year (10) — **Total Marks 8.00**

Institute Marks: 8.00

Items	Latest Passed out Batch (2022-23)	Latest Passed out Batch minus 1 (2021-22)	Latest Passed out Batch minus 2 (2020-21)
Academic Performance Index (from 4.3)	8.16	8.47	8.04

7.5 Internal Academic Audits to Review Complete Academics & to Implement Corrective Actions on Continous Basis (10) — **Total Marks 10.00**

Institute Marks: 10.00

Items	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
Internal Academic Audits	2	2	2

7.6 New Facility created in the Program (10) — **Total Marks 10.00**

Institute Marks: 10.00

Items	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
New Facility Created	IoT lab developed	Interactive Panel	CCTV surveillance

8 STUDENT SUPPORT SYSTEMS (50) — Total Marks 50.00

8.1 Mentoring system to help at individual level (10) — **Total Marks 10.00**

Institute Marks: 10.00

The admitted students in polytechnic are from different background of the society and face different difficulties. One teacher is appointed as mentor of approximate 20 students to keep close watch on individual student's behavior and performance.

§ 'Mentor System' is followed to reach out every student of the institute and help him tackle his/her problems.

§ A faculty is appointed for a group of 20 students to mentor and guide the students.

§ As per the convenience of students and the concerned Mentor, fortnightly or monthly meetings are held with students and various issues are discussed.

§ Personal, family, academic, economic and social problems of the students are addressed by the teacher guardian (Mentor).

§ A Mentor maintains record of students' performance and gives feedback to the HOD.

§ A Mentor keeps himself in the contact of students' parents and informs them of their son/ward's performance time to time by telephonic call.

§ One Teacher – Parent meet is arranged in semester where student attendance & progressive test records are presented.

§ In case of student facing concentration or behavior related problem they are guided to the counselor appointed by the institute.

Types of Mentoring : Professional Guidance/Career Advancement/Cours work Specific /Laboratory Specific/All-round Development

Frequency of Meeting : Monthly

No. of Faculty Mentors : 54

No. of Students Per Mentor : Approx. 20 to 25 Students

Sr. No.	Type of Mentoring System	Purpose	Functioning	Efficacy

1	**Professional guidance/ Career advancement**	**Professional guidance** – regarding professional goals, Selection of career. **Career advancement – To take up higher** education after Diploma. Self-employment opportunities, entrepreneurship Development.	1) Professional guidance is provided by arranging lectures of eminent personalities from academics and industry by the Training and Placement cell. 2) Industrial visits are done frequently to make the students aware of the work atmosphere, new trends, modern approach and Advancements in the industry in a real sense.	**1)** students have enrolled for higher education **2)** students have secured positions in reputed industries **3)** Students have turned out to be successful Entrepreneurs.
2	**Course work specific**	Counselling on academic, personal and other problems faced by students and thereby improve academic performance and hence achieve the Program outcomes.	1) Every faculty member, as a counsellor, is assigned a group of students usually 20 for who they act as a mentor. 2) The faculty counsels regarding academic, personal and other problems faced by the student. 3) If a student requires any course related mentoring, they are directed to the concerned subject teacher. 4) Parents whose wards are irregular are telephoned on a regular basis so that necessary actions are taken by them. **5)** Parent Teacher meet are held to discuss the matters and arrive at a solution. Critical cases are discussed with the counsellor, HOD, Principal and parent and cases are resolved	1) Attendance of the 2) Students in the classes have improved. Overall academic performance of the students has improved. 3) Due to the effective functioning of course specific 4) Mentoring system at our institute the parent's involvement has increased which helps in building relation with the Institute. 5) Subject specific 6) teachers make the course simpler for the weaker students as they are identified by this mentoring tool

8.2 Feedback analysis and reward/ corrective measures taken, if any (10) — **Total Marks 10.00**

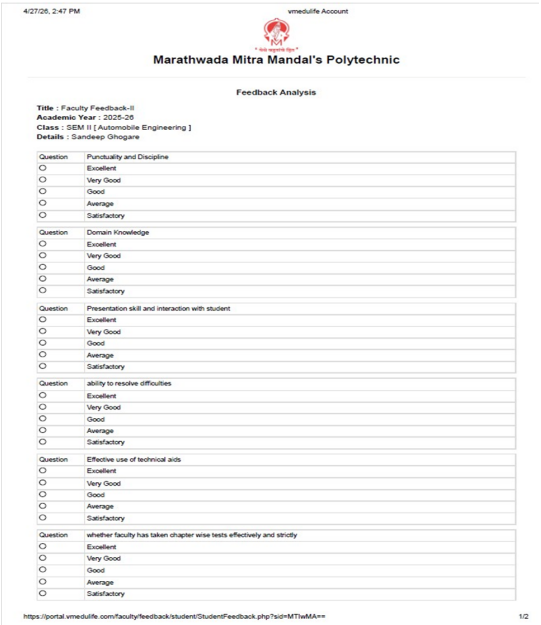
Feedback collected for all courses: YES/NO; Specify the feedback collection process; Average Percentage of students who participate; Specify the feedback analysis process; Basis of reward/ corrective measures, if any; Indices used for measuring quality of teaching & learning and summary of the index values for all courses/teachers; Number of corrective actions taken.

A. Methodology being followed for feedback collection, analysis and its effectiveness (5) — Institute Marks: 5.00

Feedback collection Process:

- As a part of the Faculty Appraisal system students are encouraged to give feedback of the teaching staff.
- Online Feedback from student is collected within a few weeks of beginning of semester through college ERP to permit adequate time to ensure improvement in performance of teacher.
- Feedback of all subject teachers is taken to monitor student's acceptance.
- Average Percentage of students who participated is approx. 50%
- Collected Feedback Questionnaire is scrutinized & quantified by the Head of department
- All the parameters mentioned in the feedback form are analyzed
- The entire process is run in way and students are incognito in the process.
- Students can also give their feedback on the various facilities used or required by them.
- Suggestion Box has been placed in the institute to make available a platform for students' suggestions and grievances.

SAMPLE Feedback Form



4/27/26, 2:47 PM vmedulife Account

Marathwada Mitra Mandal's Polytechnic

Feedback Analysis

Title : Faculty Feedback-II
Academic Year : 2025-26
Class : SEM II [Automobile Engineering]
Details : Sandeep Ghogare

Question	Punctuality and Discipline
○	Excellent
○	Very Good
○	Good
○	Average
○	Satisfactory

Question	Domain Knowledge
○	Excellent
○	Very Good
○	Good
○	Average
○	Satisfactory

Question	Presentation skill and interaction with student
○	Excellent
○	Very Good
○	Good
○	Average
○	Satisfactory

Question	ability to resolve difficulties
○	Excellent
○	Very Good
○	Good
○	Average
○	Satisfactory

Question	Effective use of technical aids
○	Excellent
○	Very Good
○	Good
○	Average
○	Satisfactory

Question	whether faculty has taken chapter wise tests effectively and strictly
○	Excellent
○	Very Good
○	Good
○	Average
○	Satisfactory

https://portal.vmedulife.com/faculty/feedback/student/StudentFeedback.php?sid=MTIwMA== 1/2

B. Record of corrective measures taken (5) — Institute Marks: 5.00

Basis of reward/ corrective measures, if any;

- All the comments of the students in the feedback form are communicated to the respective faculty members along with their feedback score to know strengths / weaknesses and to improve teaching skills.
- The feedback is analyzed by the HOD and concern faculty and possible reasons for poor feedback are explored.
- The faculty is guided for teaching learning process by HOD & Senior faculty.
- Such faculties are motivated to participate in faculty training program.
- Faculty is asked to develop or modify teaching aids and classroom delivery under the guidance of senior faculty.
- The staff members with special contributions are being appreciated by appreciation letter

8.3 Feedback on facilities (5) — **Total Marks 5.00**

A. Student feedback on facilities, analysis and corrective action taken (5)	Institute Marks
	5.00

Institute has adequate infrastructure for academic facility like lecture room, Laboratories, language lab, Library, tutorial room, reading room, computer internet facility, store facility, First Aid facility, Girls & Boys common room, medical & counselling , Canteen & ground, washroom, Drinking water, Sick room, sport etc.

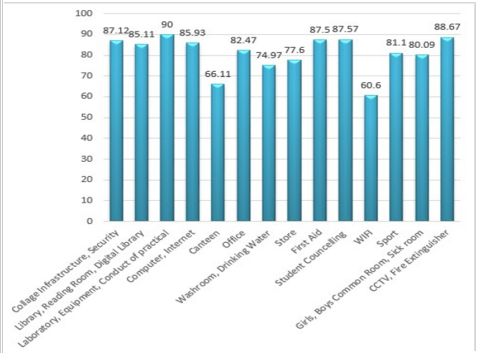
Within a few weeks of beginning of second semester student feedback is taken on facility to maintain & improve it further.

Academic Year: 2025-26 **No. of student**: 219

Evaluation of feedback on Facility

Sr. No.	Criteria	Satisfaction of student in %
1.	College Infrastructure, Security	**87.12**
2	Library, Reading room, Digital library	**85.11**
3	Laboratory, Equipment, Conduct of practical	**90**
4	Computer/ Internet facilities	**85.93**
5	Canteen	**66.11**
6	Co-operation from the office & Accounts dept.	**82.47**
7	Washroom, Drinking water	**74.97**
8	Store facility	**77.6**
9	First aid facility	**87.5**
10	Student Counselling and Guidance	**87.57**
11	WIFI Facility	**60.6**
12	Sport Facility	**81.1**
13	Girls & Boys common room, Sick room	**80.09**
14	CCTV, Fire extinguisher	**88.67**

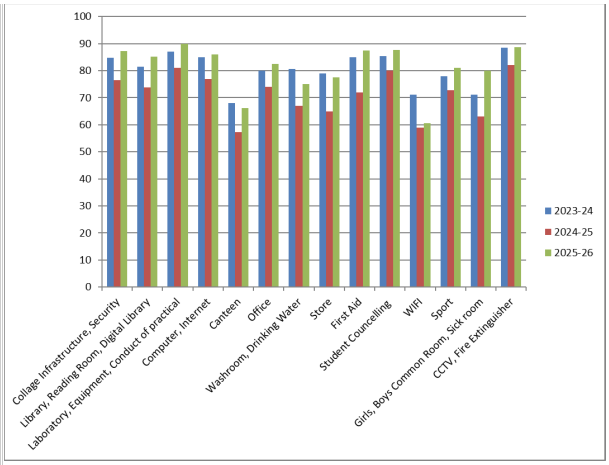
Graphical Representation of Facility Feedback (2025-26)



Last Three Years Student Feedback on Facility

Sr. No.	Criteria	% satisfaction of student		
		2023-24	2024-25	2025-26
1.	College Infrastructure, Security	**84.71**	**76.42**	**87.12**
2	Library, Reading room, Digital library	**81.47**	**73.75**	**85.11**
3	Laboratory, Equipment, Conduct of practical	**87**	**81**	**90**
4	Computer/ Internet facilities	**85**	**76.79**	**85.93**
5	Canteen	**68**	**57.32**	**66.11**
6	Co-operation from the office & Accounts dept.	**80**	**74.1**	**82.47**
7	Washroom, Drinking water	**80.58**	**66.96**	**74.97**
8	Store facility	**79**	**65**	**77.6**
9	First aid facility	**85**	**72**	**87.5**
10	Student Counselling and Guidance	**85.29**	**80**	**87.57**
11	WIFI Facility	**71.2**	**59**	**60.6**
12	Sport Facility	**78**	**72.7**	**81.1**
13	Girls & Boys common room, Sick room	**71.17**	**63.03**	**80.09**
14	CCTV, Fire extinguisher	**88.52**	**81.96**	**88.67**

Graphical Representation of Last Three Year Student Feedback on Facility



Sample Feedback form:-

Marathwada Mitra Mandal's Polytechnic

Thergaon Pune – 411033

STUDENT FEEDBACK ON FACILITY FOFORM

Academic year :-

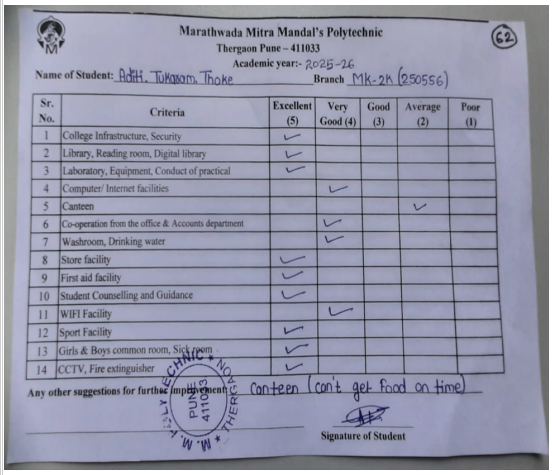
Name of Student: **Class of student:**

Sr. No.	Criteria	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Poor (1)
1.	College Infrastructure, Security					
2	Library, Reading room, Digital library					
3	Laboratory, Equipment, Conduct of practical					
4	Computer/ Internet facilities					
5	Canteen					
6	Co-operation from the office & Accounts dept					
7	Washroom, Drinking water					
8	Store facility					
9	First aid facility					
10	Student Counseling and Guidance					
11	WIFI Facility					
12	Sport Facility					
13	Girls & Boys common room, Sick room					
14	CCTV, Fire extinguisher					

Any other suggestions for further improvement:

Date: **Signature of Student**

Students Feedback Sample :



Marathwada Mitra Mandal's Polytechnic

Thergaon Pune – 411033

Academic year:- 2025-26

62

Name of Student: Aditi Tukaram Thoke Branch MK-2K (250556)

Sr. No.	Criteria	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Poor (1)
1	College Infrastructure, Security	✓				
2	Library, Reading room, Digital library	✓				
3	Laboratory, Equipment, Conduct of practical	✓				
4	Computer/ Internet facilities		✓			
5	Canteen				✓	
6	Co-operation from the office & Accounts department		✓			
7	Washroom, Drinking water		✓			
8	Store facility	✓				
9	First aid facility	✓				
10	Student Counselling and Guidance	✓				
11	WIFI Facility		✓			
12	Sport Facility	✓				
13	Girls & Boys common room, Sick room	✓				
14	CCTV, Fire extinguisher	✓				

Any other suggestions for further improvement: canteen (can't get food on time)

Signature of Student

Corrective Action Taken based on the feedback and comments:

The feedback indicated that the students are satisfied with the currently available facilities.

Maintenance of the existing facilities is done on regular basis. Cultural Events and Sports activities are held in beginning of second semester. Institute is planning to provide more facilities to students without compromising on academic activities.

Based on feedback analysis and suggestions for improvement following measures are taken.

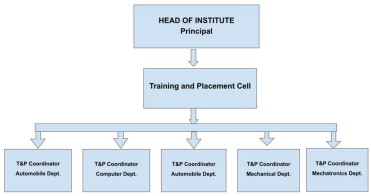
Sr. No.	Suggestions for improvement	Measures Undertaken
1)	Improvement in Canteen Services	The canteen contractor is informed by official letter about the feedback obtained from the students. In cognizance with letter contractor has increase no. of tables, chairs & variety of items. Quality of food is also maintained.
2)	Washroom, Drinking water	**Drinking Water** • Water source inspected and contamination risks identified. • Regularly serviced water purification system (RO/UV). • Overhead and storage tanks cleaned and disinfected. • Regular water quality testing initiated (microbial and chemical). **Washrooms** • Deep cleaning and disinfection of all washrooms completed. • Cleaning schedule implemented (2–3 times daily). • Continuous water supply ensured; plumbing issues fixed. • Soap, hand wash provided. • Damaged fixtures (flush, taps, doors) repaired/ replaced. • Covered dustbins installed and regular waste disposal started. • Ventilation improved (exhaust fans/windows repaired). • Pest control treatment carried out. • Proper lighting and safety measures ensured. **Monitoring Actions Taken** • Cleaning and maintenance logbook introduced. • Responsible staff assigned for daily supervision. • Periodic inspection system implemented.
3)	Store Facility	Due to construction work limited time store facility was provided.We are in the process of increasing the store facility, which will become operational once the building construction is completed and sufficient space is available.
4)	Wi Fi Facility	Due to misuse of Wi-Fi facility in classroom, facility is limited up to laboratories.

8.4 Career Guidance, Training, Placement (20) — **Total Marks 20.00**

Institute Marks: 20.00

The institute has a dedicated Training & Placement Cell with a Training and Placement Officer, and departmental coordinators, industry interaction support, career counseling facilities, training support, internship support, and infrastructure for conducting training, on campus / online campus placement drives and career guidance activities.

Training and Placement Cell Structure



Training and Placement Team: 2025-26, 2024-25, 2023-24

T&P Team	2025-26	2024-25	2023-24
Head of Institute	Mrs. Joshi G. S., Principal	Mrs. Joshi G. S., Principal	Mrs. Joshi G. S., Principal
Training and Placement Officer	Mr. Mhalankar G. S.	Mr. Mhalankar G. S.	–
T&P Coordinator - AE	Mrs. Herlekar M. M.	Mrs. Herlekar M. M.	Mrs. Herlekar M. M.
T&P Coordinator - CO	Mr. Salunkhe N. K.	Mr. Salunkhe N. K.	Mrs. Komal Jagtap
T&P Coordinator - EE	Mrs. Nimbalkar D. K.	Mrs. Nimbalkar D. K.	Mrs. Nimbalkar D. K.
T&P Coordinator - ME	Mrs. Savalajkar P. R.	Mr. Kulkarni S. P.	Mr. Dandge A. G.
T&P Coordinator - MK	Ms. Shelke G. D.	Ms. Shelke G. D. / Mr. Krishnani A	Mr. Krishnani A

Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune– 411 033.
Accredited by National Board of Accreditation
Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics Engineering

Prin.BhanudasG.Jadhav	Shri.KishorH.Mungale	Mrs.GeetaS.Joshi
Exe.President	Secretary	Principal

Ref.No.MMP/T&P/2025-26/55 Date: 18th July 2025

Office Order

Subject: Constitution of Training & Placement (T&P) Team

The following staff members are hereby appointed as members of the Training & Placement (T&P) Team for the Academic Year 2025–26.

Sl. No.	Name	Role
1.	Mr. Mhalankar G. S.	Training and Placement Officer
2.	Mrs. Herlekar M. M.	T&P Coordinator - AE
3.	Mr. Salunkhe N. K.	T&P Coordinator - CO
4.	Mrs. Nimbalkar D. K.	T&P Coordinator - EE
5.	Mrs. Savalajkar P. R.	T&P Coordinator - ME
6.	Ms. Shelke G. D.	T&P Coordinator - MK

Functions of T&P Team:

1) Coordinate training, internship,and placement activities.
2) Organize expert sessions, and career guidance programs.
3) Establish industry interaction and placement opportunities for students.
4) Maintain placement-related records and documentation.
5) Support skill development and employability activities.

All concerned shall note and act accordingly.

M.M. POLYTECHNIC PUNE 411033. THERGAON

PRINCIPAL
Marathwada Mitra Mandal's POLYTECHNIC Thergaon, Pune - 411 033.

Objective of Training & Placement Cell:

1. To establish strong industry–institute interaction for enhancing student employability.
2. To organize training, internship, apprenticeship, and placement activities for students.
3. To create awareness about career opportunities, higher education, and entrepreneurship.
4. To bridge the gap between academic curriculum and industry requirements.
5. To enhance technical skills, soft skills, communication skills, and professional ethics among students.
6. To provide industry exposure through industrial visits, expert lectures, seminars, and workshops.
7. To facilitate campus recruitment opportunities

Functions of Training and Placement Cell:

1. Organize campus recruitment drives and placement activities.
2. Coordinate internships, industrial training, and apprenticeship programs.
3. Conduct aptitude, technical, communication, and personality development training.
4. Guide students in resume writing, interviews, group discussions, and career planning.
5. Arrange industrial visits, guest lectures, seminars, and workshops.
6. Maintain liaison with industries, alumni, and professional organizations.

Training and Placement Activities:

1. Organizing campus placement drives, and internships opportunities.
2. Conducting interview preparation training.
3. Facilitating industry interaction and MoUs for training and placement support.
4. Providing career guidance to students
5. Organizing value added courses and certification programs

Training and Placement Cell Activities 2025-2026

Industry-Institute Interaction Meet 2025-26:

Sl. No.	Date	Activity	No. of Participants
1.	30th April 2026	Industry-Institute Interaction: Faculty Awareness Programme	Industries / Organizations - 4; Ind. Representatives - 07 Faculties - 14

Training and Placement Cell Activities 2024-2025

Industry-Institute Interaction Meet 2024-25:

Sl. No.	Date	Activity	No. of Participants
1	14th September 2024	Industry Meet	Industries / Organizations - 10; Representatives - 13
2	14th December 2024	Institution-Industry Cell Meeting	Industries / Organizations - 06; Representatives - 09
3	22 nd February, 2025	Industry-Academia Conclave 2025	Industries / Organizations - 10; Representatives - 12
4	13th March 2025	CSR Meet	Industries / Organizations - 12; Representatives - 14

Industry-Institute Interaction: Faculty Awareness Programme - April 2026

Faculty Awareness Programme on Mold & Die – Design & Manufacturing was conducted on Thursday, 30th April 2026 at Marathwada Mitra Mandal's Polytechnic, Thergaon, Pune.

During the Industry-Institute Interaction: Faculty Awareness Programme on Mold & Die – Design & Manufacturing, Mr. Sachin Walke Killarikar delivered a live demonstration of the Cimatron software, highlighting its applications in tool design and manufacturing processes. Mr. Amol Arun Mane delivered an insightful presentation on Cimatron—an integrated CAD/CAM software offering end-to-end solutions for tool design and manufacturing.

He elaborated on:

- Current industry requirements
- Essential technical skill sets expected from students
- Career and placement opportunities in India and abroad
- The importance of industry-aligned training in engineering education

The programme was highly informative and beneficial for faculty members, providing valuable insights into current industrial practices and technological advancements in the field of Mold & Die Design and Manufacturing.

Industry–Academia Conclave February, 2025:

Industry–Academia Conclave 2025 was successfully organized by **Marathwada Mitra Mandal Trust** on **February 22, 2025**, at **J.W. Marriott, Pune**. The event, themed **"Future of Work: Reshaping Workplaces with AI"**, aimed to strengthen industry-academia collaborations and discuss the evolving impact of AI on the workforce.

Event Highlights

The conclave brought together **eminent industry leaders** who engaged in insightful discussions on:

- **AI-driven transformations** across various industries.
- **Challenges in workforce upskilling** and the role of academia in bridging the skill gap.
- **NEP 2020 implementation** and the alignment of educational curricula with industry needs.

The event witnessed enthusiastic participation from **industry professionals and academicians** from **various institutes under MM Trust**, including **the institute (M M Polytechnic)**. This provided a platform for fostering meaningful discussions and exploring potential collaborations.

Industry Representatives Invited by M M Polytechnic & Their Participation:

The following industry representatives invited by the institute participated in the conclave, contributing valuable insights and strengthening our industry relationships.

Sr. No.	Name	Designation	Industry
1	Mr. Amit Shirsikar	Enterprise Program Manager	Rockwell Automation
2	Ms.Archana Shirsikar	Sr Quality Engineer- SCM	Plex System

3	Mr. Mukul Chowdhury	Lead-Academy	Skoda Auto Volkswagen India Pvt. Ltd.
4	Mr. Subodh Korde	Coach	Ekam Consultant, IIMB
5	Mr. Ganesh Kadam	HR Head	Cikautxo India Pvt Ltd
6	Amit Kanase	Site HR Pune and India HRBM Harvester GPL	CNH Industrial (India) Pvt. Ltd.
7	Mr. Sunil S. Desale	Plant HR Head	Endurance Technologies Ltd.
8	Mr. Dilip Londhe	Sr HR Mgr.	Fineare Systems Pvt. Ltd.
9	Mr. Mahesh Jadhav	Head-HR	Yazaki India Pvt Ltd
10	Mr. Krishna Vighe	HR Generalist	Yazaki India Pvt Ltd
11	Mr. Yogesh Ghawate	Manager HR(ER)	Piaggio Vehicles Private Limited
12	Avdhoot Vedpathak	Manager HR(ER)	Piaggio Vehicles Private Limited

The Industry-Academia Conclave 2025 was a remarkable success, fostering collaboration, innovation, and knowledge-sharing between academia and industry. The discussions highlighted the necessity for continuous engagement and dialogue to equip students with the skills needed for the evolving workforce. The participation of esteemed industry representatives helped strengthen our institute's industry connections and open pathways for future collaborations.

Institution-Industry Cell Meeting - December 2024:

Institution-Industry Cell Meeting was held on 14th December 2024 at VG Tap Lab, Marathwada Mitra Mandal's Polytechnic.

The meeting was attended by the following industry representatives:

Mr. Kalyan Pawar, Executive Vice President – Corporate ER/IR & Chairman, NIPM Pune Chapter, Endurance Technologies Ltd.

Mr. Sachin D. Mohite, S.H. Pitkar Orthotools Pvt. Ltd.

Mr. Ganesh Shejwal, Subros Ltd.

Ms. Soniya Maan, Subros Ltd.

Mr. Harshad Dayanand Yadav, BVG India Limited

Mr. Avinash Kaldate, BVG India Limited

Ms. Sapna Pathak, Sr. Manager HR, Abbi-Tech Fab & Machining Pvt Ltd

Ms. Aishwarya Kadadekar, Abbi-Tech Fab & Machining Pvt Ltd

Mr. Kishor Kadam, Provitech Solutions

Institution Representatives Included:

Principal, HODs, TPO, and Training and Placement Coordinators of Marathwada Mitra Mandal's Polytechnic.

The agenda of the meet included:

1. Review of Previous Collaborations
2. Internship Opportunities
3. Industry Expectations from Academia
4. Skill Development and Training Programs for Students and Faculty
   - Specific add-on courses, workshops, and initiatives to enhance employability.
5. Campus/Pool Campus Placement Strategies
   - Placement drives starting January 2025
6. Collaboration on Projects, Consultancies, Lab Equipment, CSR Activities, and Employee Training Programs
7. Vision and Mission Statements and Gap Analysis for Departments:
   - Electrical, Mechanical, Automation & Robotics, and AI & ML
8. Open Discussion

The meeting was a big success.

Industry Meet- September, 2024:

An Industry Meet was held on Saturday, 14th September 2024, at the Seminar Hall of M M Polytechnic. The event aimed to explore potential collaborations between industries and MM Polytechnic.

The following industry representatives participated in the meet:

- **Maxion Wheels Aluminum India Pvt. Ltd.**: Ms.Suchita Lokhande, HR Specialist; Ms. Nidhi Mishara, HR Analyst
- **Quess Corp Ltd.**: Ms. Sudarshana B Wakchoure, Team Leader
- **TVS Training and Service Centre**: Mr. Sachin V, Senior Manager
- **TRUMPF (India) Pvt. Ltd.**: Mr. Vinod Bhagia, Pureple Practicee; Ms. Bhavika Chhablani, HR
- **DANA India Private Limited**: Mr. Santosh Gajre, Plant HR Head; Ms.Pradnya Kanase, Deputy Manager HR
- **Autoneum India Pvt. Ltd.**: Mr. Harshad Patil, Head HR
- **Steelmax Valves and Automation Pvt. Ltd.**: Mr. Alok Kumar Singh, Quality Engineer
- **Automotive Stampings and Assemblies Limited**: Mr. Jayadev Mishra, Chief Finance Officer
- **Vintyas Technologies Pvt. Ltd.**: Mr. Vishal Bhagat, Business Development Manager
- **Yuva Shakti Foundation**: Mr. Prasad Gunjal, Field Officer

MM Polytechnic representatives who attended the meet included:

- Mrs. Geeta S. Joshi, Principal
- Mr. P. M. Dumbre, HOD (Mechanical Engineering)
- Mr. Rahul Gundla, HOD (Automobile Engineering)
- Mr. Tushar Kadam, Fc HOD (Electrical Engineering
- Mr. Ganesh Mhalankar, Training and Placement Officer
- Mr. Shriniwas Kulkarni, Lecturer
- Mr. A. L. Krishnani, Lecturer
- Mrs. Manasi Herlekar, Lecturer
- Mrs. Deepali Nimbalkar, Lecturer

Various partnership opportunities were discussed, including:

- Student and faculty projects
- Industrial visits
- Expert lectures
- In-plant training
- Internships
- Placements (on-campus, off-campus, and pool campus)
- Lab equipment support
- Corporate Social Responsibility (CSR) activities

The meeting was a big success with an agreement to proceed with the discussed collaborations.

1. **Management of Career Guidance, Training, Placement, Internship. :**

- Career Guidance seminars and workshops are organized on both the department and institute level.
- T&P activities have been planned and executed to expose students to various career opportunities.
- Before starting interview drives, an awareness session is conducted regarding different job opportunities in the industry for job seeker students.
- The data of job seeker students of every department is collected and updated frequently with all required details.
- Campus Interviews are organized in the institute and well-known companies visit the campus.
- Tie-ups and MoUs are signed with leading organizations to ensure students' placement.
- Different department level or institute level trainings are organized to enhance students' employability.
- Companies' criteria for placement conduct Aptitude Test, Group Discussion, Interview & Medical Test. These criteria vary from company to company.
- Market survey is done by every program for Summer Internship of students
- Different forms are filled from Employer, Parents, Students before commencement of Internship
- Internship is a period of work experience offered by an employer to give students exposure to the industrial environment.

Training Activity 2025-26

Training Organized - 2025-26:

Sl. No.	Date	Activity	No. of Beneficiary
1.	07-09th February 2026	Employability Skills Enhancement Programme by Mahindra & Mahindra's Naandi Foundation	44

Employability & Job Readiness Training Programme 2025-26:

Employability & Job Readiness Training Programme was conducted for 3 days from Saturday, 7th February 2026 to Monday, 09th February 2026 for the third year Automobile, Computer, Electrical, Mechanical and Mechatronics Engineering students. The sessions included I am Unique, Body Language and Professional Grooming, English - Language for Career, Job Opportunity, Interview Preparation, Group Discussion, Professional Ethics, Effective Speaking. The training programme was organized in collaboration with Naandi Foundation (Mahindra & Mahindra Group CSR).

Group Discussion Activity during Training Programme

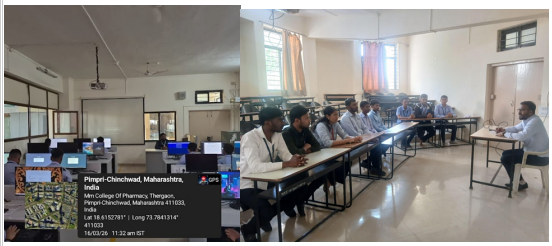
Campus Placement Activities 2025-26:

On/Off Campus Placement Drives Organized - 2025-26:

Sl. No.	Date	Activity	No. of Beneficiary
1.	2nd September 2025	Pool Campus Placement Drive by Sooyon E-Hwa Summit Automotive Pune Pvt. Ltd.	18
2.	17th January 2026	Pool Campus Placement Drive by Bajaj Auto Ltd., Chakan, Pune	174 (MMP-76 + Others-88)
3.	19th January 2026	Pool Campus Placement Drive by Bosch Chassis Systems India Pvt. Ltd., Chakan, Pune	173 (MMP-86 + Others-87)
4.	13th February 2026	Pool Campus Placement Drive by GE Aerospace, Wasuli, Chakan, Pune	114 (MMP-72+ Others-42)
5.	13th February 2026	Campus Placement : Final Assessment by Capgemini (ME-1)	1
6.	14th February 2026	Off Campus Placement Drive by Saarloha Advanced Materials Pvt. Ltd. (Kalyani Group)	1
7.	25th February 2026, & 27th February 2026	Online interviews by Schlep MHE Solutions Private Limited, Warje, Pune	20
8.	04th March 2026	Off Campus Placement Drive by Saint Gobain Sekerit India Ltd., Kuruli, Chakan, Pune	20
9.	13th March 2026	Off Campus Placement Drive by Bijur Delimon India Pvt. Ltd., Nighoje, Chakan	1
10.	16th March 2026	Pool Campus Placement Drive by V TechWabag Ltd., Aundh, Pune	60 (MMP-26 + Others - 34)
11.	26th March 2026	Off Campus Placement Drive by Winspiration Energy & Engg Pvt Ltd., Wakad, Pune	3
12.	27th March 2026	Off Campus Placement Drive by Atlas Copco Ltd., Chinchwad, Pune	2
13.	18th April 2026	Off Campus Placement Drive by Schindler India Pvt. Ltd., Chakan, Pune	2

Campus Placement - March, 2026:

Pool Campus Placement Drive was conducted on Monday, 16th March 2026 at the institute for Diploma in Electrical, and Mechanical Engineering students. The drive was organized in collaboration with VA Tech WABAG, Aundh, Pune.



Students Writing WABAG Aptitude Test

Students Participating in a WABAG Group Discussion

Other Institutes Participated - 4 No. | Total Participation - 60 students | Total Selections - 7 No.

Campus Placement - February, 2026

Pool Campus Placement Drive conducted on Friday, 13th February 2026 at the institute for Diploma in Automobile, Electrical, and Mechanical Engineering students. The drive was organized in collaboration with GE Aerospace, Chakan, Pune.

Students Writing the GE Aptitude Test

GE Aerospace Interview Panel Interviewing Students

Other Institutes Participated - 4 No. | Students Participated - 114 No. | Total Selections - 35 No.

Campus Placement - January, 2026

Pool Campus Placement Drive was conducted on Monday, 19th January 2026 at the institute for Diploma in Automobile, Electrical, Mechanical and Mechatronics Engineering students. The drive was organized in collaboration with Bosch Chassis Systems India Pvt. Ltd., Chakan, Pune.


Other Institutes Participated - 9 No. | Students Participated - 173 No. | Total Selections - 143 No.

Campus Placement - January, 2026

Pool Campus Placement Drive was conducted on Saturday, 17th January 2026 at the institute for Diploma in Automobile, Electrical, Mechanical and Mechatronics Engineering students. The drive was organized in collaboration with Bajaj Auto Ltd., Chakan, Pune.


Pre-Placement Talk by The Bajaj Auto Ltd. Team. **Mr. Pratik Bhabad, Bajaj Auto**

Online Interviewing Out of Station Students.

Other Institutes Participated - 4 No. | Students Participated - 114 No. | Total Selections - 35 No.

Training Activity 2024-25

Trainings Organized- 2024-25:

Sl. No.	Date	Activity	No. of Beneficiary
1.	2nd September 2024	Career Guidance Programme: ACDRI Skill Enhancement Workshops	142 (MK-39, ME-24, AE-19, EE- 40 CE- 52)
2.	10th September 2024	Resume writing workshop (POD.ai)	156 (EE - 14, MK - 29, ME - 24, AE - 19, CE - 70)
3.	16th October 2024	Interview Preparations Workshop	142 (MK-44, ME-30, AE-23, EE-37 CE-8)

Career Guidance Programme 2024-25:

A Career Guidance Programme was held for third year students on 02.09.2024. Ms. Deepti Deshpande from Auto Cluster Development and Research Institute (ACDRI) gave guidance to the students on 3D Printing, Fire Prevention & Fire Fighting, Automotive Embedded Systems, Robotic Automation, Industrial Secrets of EV, Creo Parametric Design Software. 174 students from Automobile, Computer, Electrical, Mechanical, & Mechatronics Departments benefitted from the programme.

Interview Preparations Workshop 2024-25:

Interview Preparations Workshop was held for third year students on 16th November 2024. 142 Students from Automobile, Computer, Electrical, Mechanical, and Mechatronics departments participated in the programme.

Campus Placement Activities 2024-25:

On/Off Campus Placement 2024-25:

Sl. No.	Date	Activity	No. of Beneficiary
1.	29th January 2025	Campus Drive for Electrical, Mechanical, and Mechatronics students by Yazaki India Pvt. Ltd. at MMCOE	83 (MMP-39 + Others-44)
2.	21st and 22nd February 2025	Pool Campus Drive for Automobile and Mechanical Students by Bosch Chassis Systems I. Pvt. Ltd.	102 (MMP-46 + Others-56)

3.	4th March 2025	Pool Campus Drive for Electrical and Mechanical Students by Gilbarco Veeder Root	82 (MMP-71 + Others-11)
4.	8th March 2025	Pool Campus Drive for Automobile, Electrical, and Mechanical Engineering Students by Piaggio Vehicles Pvt. Ltd., Baramati	55 (MMP-49 + Others-6)
5.	13th March 2025	Off Campus Placement of 4 ME students by Minda Corporation Ltd., Spark Minda Group	04
6.	22nd March 2025	Campus Drive for Automobile and Mechanical Engineering Students by Elixir-India and 1K2K Dosing and Dispensing Pvt. Ltd.	47 (AE-20 + ME-27)
7.	23rd April 2025	Off Campus placement of 4 students by Divgi Torq Transfer Systems Pvt Ltd., Bhosari (Drive by YBP)	04
8.	29th April 2025	Pool Campus Placement drive by Bharat Stars Services Pvt. Ltd. (BSSPL)	12 (MMP-6 + Others-6)
9.	10th May 2025	Off Campus Placement Drive for Diploma students by Mahindra Auto Steel Pvt. Ltd., Varale, Khed, Chakan, Pune	19
10.	16th May 2025	Campus Placement Drive for Degree and Diploma Engineering Students by Keolis India Pvt. Ltd. at Marathwada Mitra Mandals College of Engineering (MMCOE), Karvenagar, Pune.	19 (MMP-19)
11.	03rd June 2025	Off Campus Placement Drive for Diploma and Degree students by Bijur Delimon India Pvt Ltd, Pune	03 (MMP-0 + Others-3)

Campus Placement - April, 2025:

Pool Campus Placement Drive conducted on Tuesday, 29th April 2025 at the institute for Diploma in Automobile and Mechanical Engineering students. The drive was organized in collaboration with Bharat Stars Services Pvt. Ltd. (BSSPL)

Pre-placement Talk **Bharat Stars Interview panel interviewing students**

Other Institutes Participated - 4 No. | Students Participated - 35 No. | Total Selections - 12 No.

Campus Placement - March, 2025:

Campus Placement Drive was conducted for Diploma in Automobile and Mechanical Engineering students by Elixir-India and 1K2K Dosing and Dispensing Pvt. Ltd on 22nd March 2025.

Pre-placement Talk **Elixir-India and 1K2K Interview panel interviewing students**

Students Participated - 47 No. | Total Selections - 05 No.

Campus Placement - March, 2025:

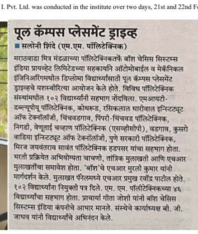
Pool Campus Placement Drive was conducted for Diploma students in Automobile, Electrical, and Mechanical Engineering by Piaggio Vehicles Pvt. Ltd., Baramati on 8th March 2025.

Pre-placement Talk Piaggio Vehicles Pvt. Ltd. Interview panel interviewing students

Other Institutes Participated - 2 No. | Students Participated - 55 No. | Total Selections - 34 No.

Campus Placement - February, 2025:

Pool Campus Placement Drive conducted for Diploma in Automobile and Mechanical Engineering students by Bosch Chassis Systems I. Pvt. Ltd. was conducted in the institute over two days, 21st and 22nd February 2025.



पूल कॅम्पस प्लेसमेंट ड्राइव्ह

■ सलोनी शिंदे (एम.एम. पॉलिटेक्निक)

मराठवाडा मित्र मंडळाच्या पॉलिटेक्निकतर्फे बॉश चेसिस सिस्टम्स इंडिया प्रायव्हेट लिमिटेडच्या सहकायनि ऑटोमोबाईल व मेकॅनिकल इंजिनिअरिंगमधील डिप्लोमा विद्यार्थ्यांसाठी पूल कॅम्पस प्लेसमेंट ड्राइव्हचे यशस्वीरित्या आयोजन केले होते. विविध पॉलिटेक्निक संस्थांमधील १०२ विद्यार्थ्यांनी सहभाग नोंदविला. एमआयटी-डब्ल्यूपीयू पॉलिटेक्निक, कोथरूड, रसिकलाल धारीवाल इन्स्टिट्यूट ऑफ टेक्नॉलॉजी, चिंचवडगाव, पिंपरी-चिंचवड पॉलिटेक्निक, निगडी, वेणूताई चव्हाण पॉलिटेक्निक (एसव्हीसीपी), वडगाव, कुसरो वाडिया इन्स्टिट्यूट ऑफ टेक्नॉलॉजी, पुणे सरकारी पॉलिटेक्निक, मिरज जयवंतराव सावंत पॉलिटेक्निक हडपसर यांचा सहभाग होता. भरती प्रक्रियेत अभियोग्यता चाचणी, तांत्रिक मुलाखती आणि एचआर मुलाखतींचा समावेश होता. 'बॉश'चे एचआर मुरली कुमार यांनी मार्गदर्शन केले. मुलाखत पॅनेलमध्ये एचआर प्रमुख रवींद्र पाटील होते. १०२ विद्यार्थ्यांना नियुक्ती पत्र दिले. एम. एम. पॉलीटेक्निकच्या ४६ विद्यार्थ्यांचा सहभाग होता. प्राचार्या गीता जोशी यांनी बॉश चेसिस सिस्टम्स इंडिया कंपनीचे आभार मानले. संस्थेचे कार्याध्यक्ष बी. जी. जाधव यांनी विद्यार्थ्यांचे अभिनंदन केले.

Mr. Murli Kumar (HR) and Mr. Ravindra Patil from Bosch Chassis Systems India Pvt. Ltd. interviewed students.

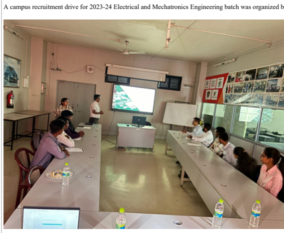
Other Institutes Participated - 07 No. | Students Selected - 102 No.

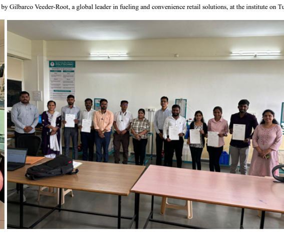
Campus Placement Activities 2023-24:

Sl. No.	Date	Activity	No. of Beneficiary
1.	10th July 2024	Campus Placement for VGTAP Programme Students' (2023-24 Batch)	8
2.	13th August 2024	Campus Recruitment Drive by Gilbarco Veeder-Root	11 (2023-24 Batch)

Campus Placement - August, 2024:

A campus recruitment drive for 2023-24 Electrical and Mechatronics Engineering batch was organized by Gilbarco Veeder-Root, a global leader in fueling and convenience retail solutions, at the institute on Tuesday, 13th August 2024.





The company briefed students about its vision, work culture, and growth opportunities during a pre-placement presentation. A total of 11 students attended the campus drive. Shortlisted candidates faced technical interviews. Candidates who cleared the technical round were interviewed by the HR team. A total of seven students from the Electrical and Mechatronics departments were successfully offered letters after clearing all stages of the recruitment process. These students will undergo further training at Gilbarco Veeder-Roots facility at Mumbai before joining full-time roles.

Gilbarco Veeder-Root Drive | Students Participated - 11 No. | Students Selected - 07 No

Placement for Internship 2024-25:

Sl. No.	Date	Activity	No. of Beneficiary

1	28th November 2024	Campus Drive for Internships for Mechatronics Students by Gilbarco Veeder-Root, B. U. Bhandari Auto Pvt. Ltd., and ATQ Metro Pvt. Ltd.	44 (MK)
2	11th April 2025	Internship Placement drive by Trinity Engineers Pvt. Ltd.	11

Campus Drive For Internship Placement - 2024:

Campus Drive for 6 month Internship for Mechatronics (Sandwich Course) Students by Gilbarco Veeder-Root, B. U. Bhandari Auto Pvt. Ltd., and ATQ Metro Pvt. Ltd. was organized at the institute on Thursday, 28th November 2024.

Gilbarco Veeder-Root, B. U. Bhandari Auto Pvt. Ltd., and ATQ Metro Pvt. Ltd.

Representatives Addressing students

ATQ Metro Pvt. Ltd. Interview panel

interviewing students

Gilbarco Veeder-Root Interview panel

interviewing students

| **Students Selected - 44 No.** |

Placement & Internship Details for Last Three Years:

Sl. No.	Activity	Programme	Academic Year		
			2025-26	2024-25	2023-24
1.	No. of Campus Placements	Automobile	05*	18	08
		Computer	00*	01	02
		Electrical	37*	14	09
		Mechanical	27*	11	14
		Mechatronics	16*	03	05
2.	No. of Industries Interacted for Placement	Automobile	03*	08	03
		Computer	00*	01	02
		Electrical	05*	06	05
		Mechanical	06*	14	06
		Mechatronics	02*	03	04
3.	No. of Industries for Internships	Automobile	03	06	05
		Computer	24	28	27
		Electrical	21	15	7
		Mechanical	08	12	13
		Mechatronics	23	24	14
4.	No. of Interns	Automobile	35	11	12
		Computer	131	132	138
		Electrical	50	51	27
		Mechanical	40	55	43
		Mechatronics	59	53	23

*** indicates the selection figure till the date of SAR submission.**

Effectiveness:

The institute has signed MoUs with various industries and organizations to strengthen industry–institute interaction and improve students' employability skills. Through these collaborations, the institute conducts internships, industrial visits, expert lectures, skill development programs, value-added courses, and campus placement activities. The MoUs help bridge the gap between academics and industry requirements, providing students with practical exposure and career opportunities.

Industry Collaboration - Centres of Excellence:

i) Envalior India Pvt Ltd., Ranjangaon, Pune - Centre of Excellence in EV Technology:

Envalior India Pvt. Ltd., Ranjangaon, is a reputed multinational company engaged in advanced materials and innovative engineering solutions for the automotive and mobility sector.

Envalior India through its implementation partner, Broarks Foundation, is setting up the COE at the institute. Currently, the work of setting up of the centre is under progress and expected to be complete by August 2026.

MoU with BroadArks Foundation:

On 4th November 2025, an MoU was entered into for establishing "**Centre Of Excellence in EV Technology - Marathwada Mitra Mandal's Polytechnic in collaboration with BroadArks Foundation under Envalior student -Industry outreach Initiative**".

Under this initiative, **students from the institute** as well as outside learners from **financially weaker sections** will receive **free training** in various domains of Electric Vehicle (EV) Technology. Bridge modules will be offered to outside learners to help them integrate into the training process.

Add on Courses:

The Centre will deliver industry-endorsed skilling programmes such as:

- Electric Vehicle Service Technician,
- EV Assembly Technician, and EV Assembly Operator.

Assessments:

Assessments will be conducted by approved Sector Skill Council (SSC)/NSDC agencies, ensuring national standards and certification.

Certification:

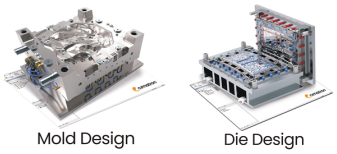
Successful learners will be awarded: NSDC/SSC-aligned certificate issued through an approved awarding body, and Industry certificate from BroadArks Foundation in collaboration with Envalior.

Placement:

All participants will receive placement assistance, connecting them with leading EV manufacturers and allied industries.

The initiative aims to create industry-ready, skilled professionals to support India's transition towards sustainable mobility.

ii) Cimatron Part of Sandvik Group - Centre of Excellence for Mold & Die - Design & Manufacturing In association with Cimatron Part of Sandvik Group:



Cimatron is integrated CAD/CAM software which provides an end-to-end solution for designing and manufacturing tools. Die and mold design and manufacturing is a critical skill area where students require focused and advanced training.

Cimatron's COE was inaugurated on 30th April 2026. Cimatron Ltd. has issued 10 (Ten) Cimatron software licenses to the institute.

MoU with Radhetech Engineering Pvt. Ltd., Pune:

The institute has entered into an MoU with Radhetech Engineering for faculty and students training on Mold and Die Design and Manufacturing on 31st January 2026.

Add on Course:

The first student batch started on 11th May 2026 and currently the training on Cimatron Mold and Die Design and Manufacturing is going on.

Assessment and Certification:

Assessment and Certification of the students will be done by Cimatron

Mr. Sachin Walke Killarikar, Radhetech Engineering, Bhosari, Pune imparting training to students on Cimatron Mold and Die Design and Manufacturing

iii) Industry Collaboration - Lab Equipment Support

Logicon Technosolutions Pvt. Ltd. - EV Two-Wheeler Donated

Logicon Technosolutions Pvt. Ltd., Chinchwad, Pune, on 18th July 2025, donated an Electric Two-Wheeler to the institute. This has helped in promoting practical learning and strengthening ties with industry for skill development in the field of electric mobility.

The electric two-wheeler facilitates students perform application-oriented practical experiments based on current industrial practices and standards. The experiments emphasize troubleshooting, fault diagnosis, wiring practices, parameter measurement, system testing, and performance analysis.

iv) Industry Collaboration - Volkswagen Group Technical Apprenticeship Program:

First polytechnic in India chosen by Volkswagen Group India Pvt. Ltd. to start VG-TAP Program. The VG-TAP means "**Volkswagen Group Technical Apprenticeship Program"** which is related to VALUE ADDED technical training about Volkswagen group vehicles.

MoU with Skoda Auto Volkswagen India Pvt. Ltd.

We have signed an MOU with Volkswagen Group India Pvt. Ltd. on 7th December 2010. Under this MOU, we have developed a VG-TAP centre as per Volkswagen standards, which includes vehicles JETTA , cut section of gear boxes & engines, Special diagnostic tools, Computer based training etc.

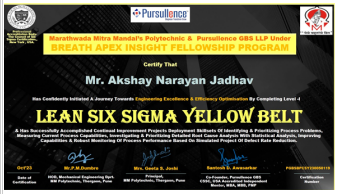
Volkswagen Group Technical Apprenticeship Program:

a. **Duration of course** :- 32 weeks (including 3 weeks in plant training in VW Group Service station)
b. **Batch Size** :- 16 students /batch
c. Current Batch:- 16
d. **Selection criteria** :- Min. 55% marks in class X and min. 60% marks in VGTAP selection test
e. **Designation After Placement**:- "Service Advisor" or "Technician" in Volkswagen Group Service station.
f. **Course Activities:-**
    a. Internal Training is to be done at institute level from VW Certified Trainer.
    b. Special 1 week Soft Skill training is to be done at Language Lab.
    c. Field Training is to be done from Volkswagen Trainer for 1 week.
    d. One month On-the-Job Training is carried out at the dealer network.
g. **Students Performance Test:-**
a. Academic Performance.
b. Institute & VGSIPL will jointly conduct the selection test to select the participants who wish to attend the VG –TAP.
c. During the course students will undergo 10 module tests including practical as well as theoretical tests.
d. Post test is carried out by VW Trainer during Field training.
e. Final test.
f. Final Interview by Dealership.
g. **Beneficiary Students** – 327 No.
h. **Certified -** 300 No

Special Achievements:-

a. Institute Award for Best Practices in Teaching and Learning process
b. 2022-23: Runner up in the National Skill Contest
c. Two faculties appointed as Evaluator for National Level Skill Contest by Skoda and Volkswagen
d. Two students are placed at Audi Middle East Dubai.
e. One student selected as Diagnostic Testing Technician for Volkswagen Group Vehicles
f. One student working as Master Technician at Valyat Motors, Pune
g. One Student working as a service advisor at B. U. Bhandari, Wakad.
h. Five students are placed at the Plant location.
i. Two students working at VW- Academy as a trainer.

V) Industry Collaboration - Six Sigma Training and Certification



MoU with Pursulience GBS LLP, India

The institute's Department of Mechanical Engineering has entered into an MoU with Pursulience GBS LLP for conducting training and certification programs in the field of Lean Six Sigma. Under this collaboration, workshops and certification activities were organized for students and faculty members to enhance their knowledge of quality management, process improvement, and industry-oriented practices.

Workshop Beneficiaries:

- AY 2023–24 : 23 Students
- AY 2024–25 : 31 Students
- AY 2025–26 : 33 Students

Certifications Achieved (AY 2023–24):

- 9 Students
- 2 Faculty Members

V) Incredible Technologies Pvt. Ltd (CredR.com)

Objective of MOU:-

1. To arrange workshops, expert lectures, Competitions relevant to automobile field in the institute.
2. To support technical and Non-Technical events organized by MM Polytechnic
3. To guide and assist prospective startups, entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from various government/non-government agencies of support system, information on technologies, etc
4. Provide training to students of MMP, Thergaon, Pune as per availability with CredR Pune which will be beneficial to get practical knowledge, start the business or to achieve new job opportunities.
5. To develop professional skills among student
6. Offer job to the suitable students as per requirement.

VII) MWell Software Solution Pune

Mwell is a leading software company in IT industry, MoU is signed by Marathwada Mitra Mandal's Polytechnic for mutual benefits. MWell will provide us sponsorship for student's projects, faculty development program, also internship training for students on real projects.

They provide services like:

- Web development & hosting
- ERP System development & maintenance
- Project development & training

Scope of the MoU include:

- Project Guidance
- Curriculum Design
- Industrial Training & Visits
- Research and Development
- Skill Development Programs
- Internships and Placement of Students
- Guest Lectures
- Faculty Development Programs

List of Memorandums of Understanding (MoUs) with Industries / Organizations:

Sl. No.	Department	MoU Partner	Purpose of MoU	Start Date	End Date	Activities Conducted & Beneficiaries
1.	Artificial Intelligence & Machine Learning	liView Progressive Learning	FDP,workshops, seminars, guest lectures and internships,industrial visits	31/07/2025	30/7/2028	2025-26: 16 Internship
2.	Artificial Intelligence & Machine Learning	Samago Infotech	Guest lectures and internships, industrial visits	19/3/2024	18/038/2027	2025-26: 3 Internship
3.	Automation & Robotics	Probotix Control System India Private Limited	FDP,workshops, seminars, guest lectures and internships,industrial visits,lab developments	8/10/25	7/10/2028	
4.	Automation & Robotics	iRobotics-Iiech Robotics And Automation Pvt Ltd	FDP,workshops, seminars, guest lectures and internships,industrial visits,lab developments	1/8/25	37/7/28	
5.	Automation & Robotics	IISER	FDP,workshops, seminars, guest lectures	8/3/23	Both parties can decide	
6.	Automation & Robotics	Pimpri Chinchwad Smart City Ltd	Guest lectures, seminars, conferences	3/9/04	2/9/26	
7.	Automation & Robotics	Scientech Technology Pvt. Ltd.	SDP,FDP, workshops, seminars, guest lectures and internships,industrial visits	11/02/26	11/02/28	
8.	Automobile Engineering	Skoda Auto Volkswagen India Pvt.Ltd.	VGTAP Center, Training Placement, FDP	07/12/2010	valid till any one party will terminate	2024-25: Visit-21 No. Internship-4 No Beneficiaries. Trained - 327 No. Certified - 300 No.
9.	Automobile Engineering	Deep-Technik Engineering	Internship, Guest Lecture, Industrial Visit	16/03/2022	Till Date	2023-24: 5 Internships.
10.	Automobile Engineering	MB Automotive Services	Internship, Guest Lecture, Industrial Visit	1/08/2022	Till Date	Ind Visits: 2023-24, 2024-25, 2025-26; Internship-2023-24 & 2024-25 - 3 No. each
11	Automobile Engineering	Engineering Cluster Pune	Guest Lecture, Industrial Visit	01/02/2023	Till Date	
12	Automobile Engineering	Auto Cluster Chinchwad,Pune	Guest Lecture, Industrial Visit		valid till any one party will terminate	
13	Automobile Engineering	ATQ Metro	Internship, Guest Lecture, Industrial Visit	12.04.2022	Till Date	
14	Automobile Engineering	BroadArks Foundation	EV Skilling Programmes	04-Nov-2025	03-Nov-2028	In process
15	Automobile Engineering	Radhetech Engineering Pvt. Ltd.	Industrial Training, Visits, Guest Lectures	31/01/2026	30/01/2029	
16	Computer Engineering	Source Code Technology	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	30/9/2018	valid till any one party will terminate	Internship 23-24:10 24-25:2 25-26:
17	Computer Engineering	kusality innovative engineering	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	21/02/2018	21/02/2021	
18	Computer Engineering	Mwell Software Solution Pune	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	15/02/2019	valid till any one party will terminate	
19	Computer Engineering	CISCO Networking Academy	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	29/08/2023	29/08/2026	
20	Computer Engineering	WebGurukul IT Solutions Pvt.Ltd Pune	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	21/05/2022	21/05/2027	
21	Computer Engineering	Globalize Skill Foundation NGO	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	21/05/2022	21/05/2027	
22	Computer Engineering	Infosys Spring Board	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	21/05/2022	valid till any one party will terminate	
23	Computer Engineering	SAN TECHNO mentors pvt ltd	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	11/12/2024	11/12/2029	
24	Computer Engineering	samago infotech pvt ltd	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	19/3/2024	18/3/2027	Internship 24-25: 5
25	Computer Engineering	ExcelR	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	14/02/2024	14/02/2026	

26	Computer Engineering	Devops operations	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	15/01/2025	15/01/2027	
27	Computer Engineering	Keyword planner	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	15/01/2025	15/01/2027	
28	Computer Engineering	Infeanet digital solutions and web media	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	15/01/2025	15/01/2027	
29	Computer Engineering	Techvista Education	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	15/01/2025	15/01/2027	
30	Computer Engineering	Smart Cookie	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	15/01/2025	15/01/2027	
31	Computer Engineering	Quantum code	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	15/01/2025	15/01/2027	
32	Computer Engineering	Ezio infotech	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	11/04/2025	11/04/2028	Internship 23-24:4 25-26: 10
33	Computer Engineering	sybrass Tech pvt ltd	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	4/8/25	4/8/2026	
34	Computer Engineering	oracle academy	oracle membership	12-Sep-2025	10-Sep-2027	
35	Computer Engineering	Enthralltech private limited	industrial projects, workshops, training programs, internship opportunities	17-Nov-2025	17-Nov-2028	
36	Computer Engineering	Fourier Software Solutions Pvt. Ltd.	industrial projects, workshops, training programs, internship opportunities	17-Nov-2025	16-Nov-2028	
37	Electrical Engineering	Anuklika Skill Foundation (CSR of Legrand Group/ Power sector Skill Council)	Legrand Training	16-12-2023	15-12-2024	Student: 95 Staff: 35
38	Electrical Engineering	MAHAVITARAN (STC Pune zone)	Industrial Visit, Internship, Guest lecture	03-08-2023	02-08-2026	2022-23 Internship :06 2022-2025 Visit: Every Year
39	Electrical Engineering	Rubicon Foundation	Employability skills under life skill program	15-02-2023	14-02-2026	2022-23: 28 No.
40	Electrical Engineering	Tejodeep Technical Services	Project Sponsorship, Guest Lecture, Lab Development expert, Industrial Expert for ITR.	28-12-2021	28-12-2024	23-24: 01 Group (3 Students)
41	Electrical Engineering	S.K. Electric Company	Project Sponsorship, Guest Lecture, Industrial Visit	28-12-2021	28-12-2024	Placement 22-23: 03 2023-24 Internship: 06 Placement: 02 Project: 01 2024-25 Placement -02
42	Electrical Engineering	Jai Mata Di Auto (Kinetic Green), Pune	12 week internship offered to SY students	26-Sept-2024	28-Sept-2027	2024-25 - Internship:01 2025-26: Internship: 08 No. beneficiaries
43	Electrical Engineering	M/S Sahyadri Enterprises, Baramati	Industrial Visit	12-Mar-2025	12-Mar-2028	Visit:01 No. Beneficiaries:41
44	Electrical Engineering	BroadArks Foundation	EV Skilling Programmes	04-Nov-2025	03-Nov-2028	In process
45	Electrical Engineering	Electrocraft System, Pune	Guest Lecture	17-Feb-2026	17-Feb-2031	Lecture:01 No. beneficiaries 43
46	Electronics Engineering	Scientech Technology Pvt. Ltd.	SDP,FDP, workshops, seminars, guest lectures and internships, industrial visits	11/02/26	11/02/28	
47	Electronics Engineering	Sdtronics Pvt. Ltd	SDP, FDP, workshops, seminars, guest lectures and internships, industrial visits	24/11/25	24/11/27	
48	Electronics Engineering	Arthtech Automation Services.	SDP,FDP, workshops, seminars, guest lectures and internships	24/11/25	24/11/27	
49	Mechanical Engineering	Rubicon Foundation	Skill Development Training Programme	15.02.2023		
50	Mechanical Engineering	G Square Engineering Pvt. Ltd.				
51	Mechanical Engineering	MUSC at IIMB	Lean Manufacturing Programme	12.11.2022	Until terminated	04 No. beneficiaries
52	Mechanical Engineering	The Institute of Tool Engineering (ITE)	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	03/11/2022	02/11/2025	-
53	Mechanical Engineering	Auto Cluster Development and Research Institute (ACDRI)	Industry visit, Training	13.01.2021	13.01.2022	2023-24: Visit - 40 No.; 2024-25: Welding Training: 30 No. beneficiaries
54	Mechanical Engineering	Deep-Technik Engineering	Training, Workshops	16.03.2022	16.03.2025	
55	Mechanical Engineering	Indian Institute of Science Education and Research (IISCER), Pune	Faculty Development	08.03.2023	07.03.2026	02 No. beneficiaries
56	Mechanical Engineering	Urja Metallurgical Services	Industrial Visit, In-plant Training	Jun 2023	May 2026	
57	Mechanical Engineering	Jyoti Heat Treatment	Industrial Visit, In-plant Training	Jun 2023	May 2026	2023-24 Industrial Visit: 34 No. beneficiaries
58	Mechanical Engineering	Radhetech Engineering	Industrial Training, Visits, Guest Lectures	31/01/2026	30/01/2029	Beneficiary: 10
59	Mechanical Engineering	Pursuilence GBS LLP, India	Six sigma yellow belt training workshops and certifications	Jun 2023	May 2026	Workshop Beneficiary: 2023-24:23 No; 2024-25: 31 No.; 2025-26: 33 No. Certifications: 23-24: 9 Students & 2 Faculties
60	Mechanical Engineering	BroadArks Foundation	EV Skilling Programmes	04-Nov-2025	03-Nov-2028	In process
61	Mechatronics Engineering	Litex Electrical Pvt.Ltd.Pune	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	07/05/2025	07/05/2030	2025-26: Guest Lecture-53 beneficiaries
62	Mechatronics Engineering	Dolphin Labs	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	31/07/2025	31/07/2030	2025-26: Expert Lecture - 50 Workshop-56 Beneficiaries
63	Mechatronics Engineering	Ravin Cables Limited	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	22/03/2025	22/03/2026	2024-25 Workshop-51
64	Mechatronics Engineering	Matrix Robotics	SDP,FDP,workshops, seminars, guest lectures and internships,industrial visits	24/11/2025	24/11/2028	
65	Mechatronics Engineering	ATQ Metro		18/04/2022	12/04/2025	

66	Mechatronics Engineering	Maha Sainik Industrial Estate (MSIE)		16/03/2022	15/03/2025	
67	Mechatronics Engineering	The World of Automation	Internship, Industry Visit	12/10/2022	12/10/2025	2024-25: Workshop - 52 No. Guest Lecture-48 2023-24: Workshop-25 Internship, Industry Sponsored Project
68	Mechatronics Engineering	Zimmer Automation LLP	Industry Visit	25/09/2022	25/09/2025	2024-25: Industry Visit - 45 No.
69	Mechatronics Engineering	Embetron System Solutions		18/06/2022	07/06/2025	
70	Mechatronics Engineering	Rubicon Foundation		15/02/2023	Until Terminated	
71	Mechatronics Engineering	Tiscon Testing and Research Institute		01/01/2021	31/12/2023	
72	Mechatronics Engineering	Technocraft Institute of Robotics Research	Industry Visit	01/06/2021	31/05/2023	2023-24: Industry Visit - 22
73	Mechatronics Engineering	Realtech Precision Engineering		01/10/2020	30/11/2023	
74	Mechatronics Engineering	Realtech Precision Consulting Work		01/03/2022	28/02/2023	

8.5 Entrepreneurship Cell/Technology Business Incubator (5)

Total Marks 5.00

Institute Marks

5.00

The Entrepreneur Development Cell has been established in the institute to encourage self-employment. Expert's guidance and necessary training on Entrepreneurship Development is made available to the students.

Objective of Entrepreneurship Cell:

- To introduce the concept of entrepreneurship and promote employment opportunities.
- Creating awareness among the students of the Polytechnic regarding entrepreneurship as a career option, provide training in entrepreneurship through modular courses.
- Conduct training programs in the field of entrepreneurial skill development
- To provide a platform for interaction with Entrepreneurs.
- To develop management personnel at appropriate levels for the non-corporate & unorganized sector like Education, rural development, small scale industry etc.

ED Cell Members for the academic year 2025–26:

Name	Designation	Role
Mrs. Geeta S. Joshi	Principal	Chairperson
Mr. Ganesh S Mhalankar	Training and Placement Officer	Co-ordinator
Mrs. Lubhda P. Nemade	Lecturer, Automobile Engineering	Member
Mrs. Supriya J. Patil	Lecturer, Computer Engineering	Member
Mrs. Deepali K. Nimbalkar	Lecturer, Electrical Engineering	Member
Mrs. Pratibha Rahul Savalajkar	Lecturer, Mechanical Engineering	Member
Mrs. Gitanjali D. Shelke	Lecturer, Mechatronics Engineering	Member

Marathwada Mitra Mandal's Polytechnic

Sr. No. 4/17, Pimpri Chinchwad, Pune - 411 033

Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics | AIML | Automation & Robotics

Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage President	Prin. Bhausaheb G. Jadhav Exe. President	Shri. Kishor H. Mungale Secretary

Ref. No. MMP/T&P/ED Cell/2025-26/ Date: 19/08/2025

OFFICE ORDER

Subject: Constitution of ED Cell

An Entrepreneurship Development Cell (ED Cell) is hereby constituted at Marathwada Mitra Mandal's Polytechnic, Pimpri-Chinchwad, for the academic year 2025–26 to promote innovation and entrepreneurial skills among students.

ED Cell Members

Name	Designation	Role
Mrs. Geeta S. Joshi	Principal	Chairperson
Mr. Ganesh S Mhalankar	Training and Placement Officer	Co-ordinator
Mrs. Lubhda P. Nemade	Lecturer, Automobile Engineering	Member
Mrs. Supriya J. Patil	Lecturer, Computer Engineering	Member
Mrs. Deepali K. Nimbalkar	Lecturer, Electrical Engineering	Member
Mrs. Pratibha Rahul Savalajkar	Lecturer, Mechanical Engineering	Member
Mrs. Gitanjali D. Shelke	Lecturer, Mechatronics Engineering	Member

The cell will plan and conduct relevant activities, workshops, and mentoring sessions. All members are requested to extend full cooperation.

M. M. POLYTECHNIC PUNE 411033. THERGAON

PRINCIPAL
Marathwada Mitra Mandal's POLYTECHNIC
Thergaon, Pune - 411 033.

Entrepreneurship Cell Activities- 2025-26:

Academic Year 2025-26

Entrepreneurship Development Program

Sl. No.	Date	Name of Event	Activity	Name of Speaker	Name of Program / No. of Beneficiaries
1.	27th September 2025	Entrepreneurial Thinking – Building Awareness & Sparking Curiosity, and Entrepreneurial Journey	Entrepreneurial Thinking – Building Awareness & Sparking Curiosity	Ms. Manisha Tapaswi, Program Manager, & Mrs. Vaishali Aparajit, Sr. Program Manager, deAsra Foundation, Pune	Computer - 55 No, Electrical - 40 No. and Mechanical Engineering - 3 No.
			Entrepreneurial Journey	Ms. Sheetal Arjunwadkar, Founder Director – SACCo (OPC), Pune	

Entrepreneurship Development Cell organized Entrepreneurship Awareness Sessions on Saturday, 27th September 2025 from 02:15 pm to 04:15 pm for the third year students of Computer, Electrical, and Mechanical Engineering branches. The programme aimed to promote entrepreneurial thinking and expose students to real-life experiences from the industry.

Guest Speakers: Ms. Manisha Tapaswi, Program Manager – dcAura Foundation, Pune & Mrs. Vaishali Aparajit, Sr. Program Manager – dcAura Foundation

Topic: "Entrepreneurial Thinking – Building Awareness & Sparking Curiosity"

Ms. Sheetal Arjunwadkar, Founder Director – SACCo (OPC), Pune

Topics: (1) Entrepreneurial Thinking – Building Awareness & Sparking Curiosity (2) "Entrepreneurial Journey"

The sessions included expert talks and an interactive Q&A session. The speakers motivated students by highlighting curiosity, creativity, risk-taking, and perseverance as essential qualities for entrepreneurship.

Students attended: Computer - 55 No, Electrical - 40 No. and Mechanical Engineering - 3 No.

Entrepreneurship Cell Activities- 2024-25:

Academic Year 2024-25

Entrepreneurship Development Program

Sl. No.	Date	Name of Event	Activity	Name of Speaker	Name of Program / No. of Beneficiaries
1.	04th to 06th September 2024	Entrepreneurship Awareness Camp	Workshop in association with Maharashtra Centre for Entrepreneurship Development	Mr. Sunil Patil, Project Officer, MCED	AE-43 EE-48 MK- Total 91.

Entrepreneurship Cell Activities- 2023-24:

Academic Year 2023-24

Entrepreneurship Development Program

Sl. No.	Date	Name of Event	Activity	Name of Speaker	Name of Program / No. of Beneficiaries
1.	07th to 09th September 2023	Entrepreneurship Awareness Camp	Three days workshop in association with Maharashtra Centre for Entrepreneurship Development	Mr. Sunil Patil, Mr. Vijay Deshpane, Mr. Ajit Dorge, Mrs. Akakanksha Patil, Mr. Pandit Gavade, Mrs. Preeti Pande	AE-18, EE-22, ME-23, MK-17
2.	29th August 2023	Swavalambi Bharat Abhiyan	Lecture on Entrepreneurship Awareness	Mr. Rahul Khole, Mr. K D Joshi	AE-15, CO-47, EE-25, MK-18

Success Stories: Institute has success stories as a result of Entrepreneurship cell.

Sr. No.	Name of Student	Department	Batch	Name of Organization	Location
1	Balaji Bobade	Automobile Engineering	2025-26	Balaji Automobiles	Chinchwad
2	Atharva Jagtap	Automobile Engineering	2024-25	Brand Stand	Wakad, Datta Mandir
3	Pratik Govind Wanale	Automobile Engineering	2023-24	Govind Auto Garage	Kudalwadi, Bhosari
4	Sahil Tarale	Automobile Engineering	2020-21	Mangalmurti Motors	Chakan
5	Shailesh Yadav	Automobile Engineering	2020-21	Balaji Autocare Point	Nehru Nagar, Pimpri
6	Sajid Khan	Automobile Engineering	2019-20	Arzoo Enterprises	Kudalwadi
7	Prathamesh Ramesh Kale	Electrical Engineering	2023-24	Shree Nageshwar Electricals And Electronics	Chinchwad
8	Komal Hanumant Pokharkar	Electrical Engineering	2023-24	Ayakti Controls	Bothadewadi Moshi

9 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (75)

Total Marks 75.00

9.1 Organization, Governance and Transparency (25)

Total Marks 25.00

9.1.1 State the Vision and Mission of the Institute (5)

Institute Marks

5.00

Vision :

To nurture proficient technicians with sound ethical and social values contributing towards the welfare of masses.

Mission :

M:- Make ardent efforts to inculcate technical skills, social and ethical values among students. M:- Mould students to be competent through an excellent harmony among Theoretical, Analytical and Practical Knowledge P:- Permeate professional skills among students through Co-curricular and Extra-Curricular Activities

9.1.2 Governing body, administrative setup, functions of various bodies, define rules procedures, recruitment and promotional policies (5)

Institute Marks

5.00

1. **Governing body, administrative setup, functions of various bodies, define rules, procedures, recruitment and promotional policies (05)**

A. List the Governing Body Composition; their membership, function, and responsibility (02)

1. Marathwada Mitra Mandal:

B. Governing Body Members

Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune– 411 033.
Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics | AIML | Automation & Robotics
Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage President | **Prin. Bhausaheb G. Jadhav** Exe. President | **Shri. Kishor H. Mungale** Secretary

Date:- 16/06/2025

GOVERNING BODY
(For academic year – 2025-26)

Sr. No.	Name	Designation in Governing Body	Details
1	Shri. S. D. Ganage	Chairman	President, Marathwada Mitra Mandal, Pune
2	Prin. B. G. Jadhav	Member	Executive President, Marathwada Mitra Mandal, Pune
3	Shri. K. H. Mungale	Member	Secretary, Marathwada Mitra Mandal, Pune
4	Shri. A. S. Pawar	Member	Treasurer, Marathwada Mitra Mandal, Pune
5	Shri. S. S. Garge	Member	Joint Secretary, Marathwada Mitra Mandal, Pune
6	Shri. J. M. Pawar	Member	Joint Secretary, Marathwada Mitra Mandal, Pune
7	Shri. S. S. Suryawanshi	Member	Member, Marathwada Mitra Mandal, Pune
8	A.I.C.T.E. Nominee	Representative	--
9	M.S.B.T.E. Nominee	Representative	--
10	D.T.E. Nominee	Representative	--
11	Mrs. G. S. Joshi	Member - Secretary	Principal, Marathwada Mitra Mandal's Polytechnic
12	Shri. P. M. Dambre	Faculty Member	HOD, Mechanical Engg. Dept. (Regular Faculty member)
13	Shri. B. S. Salunke	Faculty Member	Lecturer, Physics Dept. (Regular Faculty member)
14	Shri. V. S. Solanke	Faculty Member	Lecturer, Computer Engg. Dept. (Regular Faculty member)
15	Mr. P. R. Kapure	Non-Teaching Staff Member	Office Superintendent

M.M. POLYTECHNIC PUNE 411033. THERGAON

PRINCIPAL
Marathwada Mitra Mandal's POLYTECHNIC
Thergaon, Pune - 411 033.

The Governing Body is constituted as per the guidelines of AICTE, New Delhi.

Functions of the Governing Body -

- To consider the recommendation of the sub-committee in respect of Infrastructure, Equipment, Library resources, Staff and Finance for the Academic year.
- To monitor and approve the proposed Recurring and Non-recurring Budget estimates of various departments and other sections.
- To scrutinize and accept the Audited statement of account of each year.
- To approve the Teaching and Non-teaching staff posts as per the Institutions load requirement.
- To consider and make provisions for meeting the general and specific conditions laid down by AICTE, State Government, DTE, MSBTE, NBA and monitor the progress in fulfilling the conditions.
- To direct and guide the Principal on the efforts of Admissions.
- To consider the report and the proposals of the Principal on the academic performance of the staff and students. Recommend necessary remedial measures.
- To approve proposals of the Principal to enhance the academic atmosphere in the Institution.
- To consider proposals for expansion of educational activities to be made to AICTE, DTE, MSBTE, such as the addition of new courses, an increase/decrease in intake capacity.
- Any other important policies and decisions in the future interest of the Institution.

The Meetings of the Governing Body are held twice a year

Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune– 411 033.
Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics | AIML | Automation & Robotics | Electronics Engineering
Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage President | **Prin. Bhausaheb G. Jadhav** Exe. President | **Shri. Kishor H. Mungale** Secretary

Ref. No.: MMPOLY/25-26/Gov. Body Date: - 30/12/2025

Notice for Governing Body Meeting

All the honourable members of the Governing Body Meeting of the Marathwada Mitra Mandal's Polytechnic, Thergaon, Pune 411033 are hereby requested to kindly make it convenient to attend the meeting scheduled as below:

Day and Date of Meeting : Monday, the 8th January, 2026
Time : 1.30 p.m.
Venue : VG- TAP Room M.M. Polytechnic Thergaon, Pune-33

Place : Pune 411033
Date : 30/12/2025

M.M. POLYTECHNIC PUNE 411033. THERGAON

Mrs. Gouri S. Joshi
Principal
M.M Mandal's Polytechnic , Pune 33

AGENDA

Subject No. 1 : To read and confirm the minutes of the previous Governing Body Meeting of dated 06/10/2025.
Subject No. 2 : Approval of Vision & Mission of new branches –
1) Electronics Engineering.
Subject No. 3 : To discuss and approve notes on various requirements.
Subject No. 4 : To discuss and approve the senior scale grade for the MSBTE / DTE-approved teaching staff
Subject No. 5 : To know about the status/progress of admission activities for the Academic Year 2026-27.
Subject No. 6 : To know the status/progress of construction work.
Subject No. 7 : To discuss about further process of 'Centre of Excellence' funding by Envalior India Pvt. Ltd., Pune under CSR activity.
Subject No. 8 : To know about the scholarship forms filling status of the Academic Year 2025-26.
Subject No. 9 : Any other points/subjects with the permission of the chairperson.

Place : Pune 411033
Date : 30/12/2025

M.M. POLYTECHNIC PUNE 411033. THERGAON

Mrs. Gouri S. Joshi
Principal
M.M Mandal's Polytechnic , Pune 33

To,
All the members of
College Governing Body Committee
Marathwada Mitra Mandal's Polytechnic,
Thergaon, Pune-411 033.

Copy for information & with kind request to make it convenient to attend the Kalewadi Campus Governing Body Meeting scheduled as above to:

1. **Hon. Executive President,**
   Marathwada Mitra Mandal,
   302/A, Deccan Gymkhana,
   Pune-411 004.
2. **Hon. Secretary,**
   Marathwada Mitra Mandal,
   302/A, Deccan Gymkhana,
   Pune-411 004.
3. **Hon. Treasurer,**
   Marathwada Mitra Mandal,
   302/A, Deccan Gymkhana,
   Pune-411 004.

Marathwada Mitra Mandal's Polytechnic
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Shri. Shivajirao D. Ganage President | **Prin. Bhausaheb G. Jadhav** Exe. President | **Shri. Kishor H. Mungale** Secretary

Date: 09/01/2026

Minutes of the Governing body meeting held on 08/01/2026

A meeting of the Governing body of Marathwada Mitra Mandal's Polytechnic was held on 08th January-2026 at 01.30 p.m. in VG-TAP room of M. M. Polytechnic, Thergaon, Pune-33.

Minutes of the Meeting

Subject No. 1:

To read and confirm the minutes of the previous Governing Body Meeting dated 06/10/2025.

- The minutes of the previous Governing Body Meeting held on 06/10/2025 were read out. After due discussion, the members **confirmed the minutes unanimously**.
- **Resolution:**
  The minutes of the Governing Body Meeting dated 06/10/2025 are approved.

Subject No. 2:

Approval of Vision & Mission of new branch – Electronics Engineering.

- The Vision and Mission statements proposed for the newly introduced Electronics Engineering branch were presented before the Governing Body. Members discussed the relevance and alignment with institutional objectives.
- **Resolution:**
  The Vision & Mission of the Electronics Engineering branch are **approved unanimously**.

M.M. POLYTECHNIC PUNE 411033. THERGAON

Subject No. 3:

To discuss and approve notes on various requirements.

- The Principal presented notes regarding academic, administrative, infrastructure, and operational requirements of the institute. The Governing Body reviewed the same.
- **Resolution:**
  The notes on various requirements are **approved**, and the Principal is authorized to proceed further as per norms.

Subject No. 4:

To discuss and approve the senior scale grade for the MSBTE / DTE-approved teaching staff.

- The proposal to grant senior scale grades to eligible MSBTE/DTE-approved teaching staff was presented to the Governing Body. Eligibility criteria and applicable rules were discussed.
- **Resolution:**
  The Governing Body **approved the senior scale grade** for eligible teaching staff as per MSBTE / DTE norms.

Subject No. 5:

To know about the status/progress of admission activities for the Academic Year 2026-27.

- The Principal informed the members about the current status and progress of admission promotional activities for the Academic Year 2026-27.
- **Resolution:**
  The Governing Body **noted the admission status** and advised continuing efforts to improve enrolment.

Subject No. 6:

To know the status/progress of construction work.

- An update regarding ongoing construction work at the campus was presented by Civil Engineers, including timelines and stages of completion.
- **Resolution:**
  The Governing Body **noted the progress** of construction work and expressed satisfaction.

Subject No. 7:

To discuss the further process of 'Centre of Excellence' funding by Envalior India Pvt. Ltd., Pune, under CSR activity.

- The Principal briefed the members about the 'Centre of Excellence' funding proposal under CSR activity supported by Envalior India Pvt. Ltd., Pune.
- **Resolution:**
  The Governing Body **approved the further process** and authorized the Principal to take necessary actions.

Subject No. 8:

To know about the scholarship form-filling status for the Academic Year 2025-26.

- The status of online scholarship form submission for eligible students was placed before the Governing Body.
- **Resolution:**
  The Governing Body **noted the scholarship status** and instructed to ensure timely completion and follow-up.

Subject No. 9:

Any other points/subjects with the permission of the Chairperson.

- No additional subject was raised.

Subject no. 10: - Vote of thanks

- Mrs. G. S. Joshi, Principal, proposed a vote of thanks.

Mrs. G. S. Joshi
Member Secretary
PRINCIPAL
Marathwada Mitra Mandal's
POLYTECHNIC
Thergaon, Pune - 411 033

Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune - 411 033.
Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics | AI&ML | Automation & Robotics
Contact No.- 9657728181, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage — President
Prin. Bhausaheb G. Jadhav — Exe. President
Shri. Kishor H. Mungale — Secretary

GOVERNING BODY MEETING

Venue: VG-TAP Room, M.M. Polytechnic, Thergaon

Date:- 08-01-2026 Time:- 1.30pm

Sr. No.	Name	Designation in the Governing Body	Signature
1	Shri. S. D. Ganage	Chairman	
2	Prin. B. G. Jadhav	Member	
3	Shri. K. H. Mungale	Member	
4	Shri. A. S. Pawar	Member	
5	Shri. B. V. Deshmukh	Member	
6	Shri. S. S. Suryawanshi	Member	
7	Shri. T. P. Niwalikar	Invitee	
8	A.I.C.T.E. Nominee	A.I.C.T.E. Representative	
9	M.S.B.T.E. Nominee	M.S.B.T.E. Representative	
10	D.T.E. Nominee	D.T.E. Representative	
11	Mrs. G. S. Joshi	Member - Secretary	
12	Shri. P. M. Dumbre	Faculty Member	
13	Shri. B. S. Salunke	Faculty Member	
14	Shri. V. S. Solanke	Faculty Member	
15	Mr. P. R. Kapure	Non-Teaching Staff Member	

Schedule of Governing Body Meetings held during the last 5 years.

Sr. No.	Year	Date	Venue	Total Members Present
1	2025-26	08-01-2026	VG.TAP	**08**
2	2025-26	16-06-2025	VG.TAP	**08**
3	2024-25	15-10-2024	VG.TAP	**08**
4	2024-25	10-08-2024	VG.TAP	**09**
5	2023-24	20-03-2024	VG.TAP	**11**
6	2023-24	15-12-2023	VG.TAP	**11**
7	2023-24	21-08-2023	VG.TAP	**11**
8	2022-23	23-02-2023	VG.TAP	**08**
9	2022-23	08-08-2022	VG.TAP	**08**
10	2020-21	23-08-2021	VG.TAP	**08**
11	2020-21	23-02-2021	VG.TAP	**08**
12	2020-21	07-09-2020	VG.TAP	**08**

B. Action Taken Reports

Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune– 411 033.
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Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage President | **Prin. Bhausaheb G. Jadhav** Exe. President | **Shri. Kishor H. Mungale** Secretary

Date: 09/01/2026

Action taken against the meeting held on 08/01/2026

A meeting of the Governing body of Marathwada Mitra Mandal's Polytechnic was held on 08th January-2026 at 01.30 p.m. in VG-TAP room of M. M. Polytechnic, Thergaon, Pune-33.

Minutes of the Meeting and the Actions taken against the decision

Subject No. 1:

To read and confirm the minutes of the previous Governing Body Meeting dated 06/10/2025.

- The minutes of the previous Governing Body Meeting held on 06/10/2025 were read out. After due discussion, the members **confirmed the minutes unanimously.**
- **Resolution:**
  The minutes of the Governing Body Meeting dated 06/10/2025 are approved.
- **Action:**- --

Subject No. 2:

Approval of Vision & Mission of the new branch – Electronics Engineering.

- The Vision and Mission statements proposed for the newly introduced Electronics Engineering branch were presented before the Governing Body. Members discussed the relevance and alignment with institutional objectives.
- **Resolution:**
  The Vision & Mission of the Electronics Engineering branch are **approved unanimously**.
- **Action:**- The approved Vision and Mission statements of the Electronics Engineering branch are formally documented, published on the institution's website- www.mmpolytechnic.edu.in.

Subject No. 3:

To discuss and approve notes on various requirements.

- The Principal presented notes regarding the academic, administrative, infrastructure, and operational requirements of the institute. The Governing Body reviewed the same.
- **Resolution:**
  The notes on various requirements are **approved**, and the Principal is authorised to proceed further as per norms.
- **Actions:**- The approved expenditure of ₹ 7,00,000 for glass partitions in two labs of the Centre of Excellence has been completed. The approved amount of ₹ 2,20,000 for the farewell program was utilized, and the event was successfully conducted department-wise in April 2026. In the same way, other works have been completed as per the sanctioned notes.

Subject No. 4:

To discuss and approve the senior scale grade for the MSBTE / DTE-approved teaching staff.

- The proposal to grant senior scale grades to eligible MSBTE/DTE-approved teaching staff was presented to the Governing Body. Eligibility criteria and applicable rules were discussed.
- **Resolution:**
  The Governing Body **approved the senior scale grade** for eligible teaching staff as per MSBTE / DTE norms.
- **Actions:**- The approved increments, along with differences, are given to the specified teaching staff from the month of January-2026.

Subject No. 5:

To know about the status/progress of admission activities for the Academic Year 2026-27.

- The Principal informed the members about the current status and progress of admission promotional activities for the Academic Year 2026-27.
- **Resolution:**
  The Governing Body **noted the admission status** and advised continuing efforts to improve enrolment.

- Actions:- Admission promotional activities are ongoing and have been intensified.
- Publicity materials have been distributed across key locations.
- Counseling sessions and direct interactions with students/parents are being conducted regularly.
- The admission cell is actively monitoring enquiries and maintaining follow-up communication.

- The Governing Body's advice is being implemented, and efforts are continuing to ensure improved enrolment for Academic Year 2026-27.

Subject No. 6:

To know the status/progress of construction work.

- An update regarding ongoing construction work at the campus was presented by Civil Engineers, including timelines and stages of completion.
- **Resolution:**
  The Governing Body **noted the progress** of construction work and expressed satisfaction.
- **Actions:**- The construction work at the campus is progressing as per the timelines presented. Civil Engineers are monitoring each stage of completion, and periodic updates are being submitted to the Governing Body. Necessary coordination with contractors and site supervisors is being maintained to ensure timely delivery and quality standards.

Subject No. 7:

To discuss the further process of 'Centre of Excellence' funding by Envalior India Pvt. Ltd., Pune, under CSR activity.

- The Principal briefed the members about the 'Centre of Excellence' funding proposal under CSR activity supported by Envalior India Pvt. Ltd., Pune.
- **Resolution:**
  The Governing Body **approved the further process** and authorized the Principal to take necessary actions.
- **Actions:**- The Principal has initiated the further process for funding of the Centre of Excellence under CSR activity with Envalior India Pvt. Ltd., Pune. Necessary documentation and communication with the company are underway, and proposals are being aligned with institutional norms. Follow-up meetings and compliance requirements are being coordinated to ensure smooth progress of the funding process.

Subject No. 8:

To know about the scholarship form-filling status for the Academic Year 2025-26.

- The status of online scholarship form submission for eligible students was placed before the Governing Body.
- **Resolution :**
  The Governing Body **noted the scholarship status** and instructed to ensure timely completion and follow-up.

- **Actions:**- The scholarship cell facilitated online form-filling for all eligible students for Academic Year 2025-26. Assistance was provided to students facing technical issues, and pending cases were followed up until completion before deadlines.

Subject No. 9:

Any other points/subjects with the permission of the Chairperson.

- No additional subject was raised.

Subject no. 10: - Vote of thanks

- Mrs. G. S. Joshi, Principal, proposed a vote of thanks.

Mrs. G. S. Joshi
Member Secretary

C. The published Service rules, policies and procedures with year of publication (01):

Marathwada Mitra Mandal, Pune, implemented service rules since the establishment of the Polytechnic, i.e. in the year 2008. The rules of conduct, discipline and service conditions for the employees of Marathwada Mitra Mandal's Polytechnic have been reaffirmed by the management. A copy of the rules of the document is made available in the office as well as to the heads of various departments. The staff members are permitted to refer to the service conditions.

The staff is recruited by following the appropriate procedure. Annually, in the month of May, advertisements for the various vacancies are published in the local newspaper and the institute website as per requirement.

The eligible candidates are invited for an interview and demo lecture. The Shortlisted candidates are called for a final interview with management. Candidates selected by Management are informed to join by completing the official formalities. The Ad-hoc staff members are continued in service based on their satisfactory performance in the preceding year.

Within the framework of the working of the Polytechnic college and Staff promotion scheme, the regular faculty members with adequate qualifications, experience, and good performance appraisals are promoted to the next higher levels. This is done by following AICTE and the State Government norms applicable to the regular staff members from time to time.

Staff Rules and Regulations

MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33	
ACADEMIC YEAR: 2024-25	
Doc. No.: Policy Doc-13	Rev. No.: 01
Page:1 out of 4	Rev. Dt: 09/10/2024
Policy Document - 2024 – 2025 – Leave Policy	

"येथे बहुतांचे हित"

Policies for vacations & leaves for M. M. Polytechnic with effect from 01/01/2025

I. **Policy for Vacation**: The vacation is against the academic load engaged during academic semester and is to be used for preparations, development of labs, MSBTE duties (supervision, RAC etc.). All records of vacation are to be kept with college office.

a) **Teaching & Non-teaching staff—**
- Eligibility - Minimum Service — 2+ years continue at institute.
- 60 days per year (20 days in winter + 40 days in summer)
- Diwali vacation will be declared by central office and it will be counted as part of this 60 days' vacation

b) **Administrative / office staff, Librarian —**
- Eligibility -Minimum Service — 2+ years continue at Institute.
- 30 days per year as earned leave (EL) (10 days in winter + 20 days in summer)
- Diwali vacation will be declared by central office and it will be counted as part of this 30 days' EL.

II. Policy for Leaves: Casual leave (CL), compensatory off (CO), on duty leave (OD), earned leave (EL), Medical Leave (ML), Maternity Leave, Special Leave (SL) etc.

Leav

Casual leave (CL) -
- Eligibility — All employees on muster.
- 12 days per calendar year, to be availed 1 per month with prior permission of HOD, sanction by principal.
- CL will be availed after one month of joining.

Marathwada Mitra Mandal's Polytechnic, Pimpri Chinchwad, Pune-33 page 1 of 4

MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33	
ACADEMIC YEAR: 2024-25	
Doc. No.: Policy Doc-13	Rev. No.: 01
Page:2 out of 4	Rev. Dt: 09/10/2024
Policy Document - 2024 – 2025 – Leave Policy	

"येथे बहुतांचे हित"

- Maximum of one CL of next month can be taken in current month (for e.g. in January one can take 2 CL (one for January & one for February), but in that case 2 CL will be deducted from total remaining CL).
- CL can be sandwiched with Sunday or with holiday i.e. one can take pre & post CL to Sunday / holiday. In that case, Sunday / holiday will not be calculated as CL. But in this sandwiched case, maximum two pre & post CL (if available as per clause mentioned above) can be taken; otherwise; sandwiched Sunday / holiday will be calculated as CL / LWP) i.e. if one has taken more than two pre & (or) post sandwiched CL; then Sunday / holiday will be calculated as CL / LWP.
- Half day CL is permitted.
- Accumulated CL can be availed for more than one day.
- Remaining CL will not be carry forwarded to next year.
- All records of casual leave are to be kept with college office.

Compensatory off (CO)-
- Eligibility - To be given for non-remunerative work done beyond college working hours & during holidays.
- One compensatory off (CO) will be availed, if minimum four-hour work is done on Sunday / holiday.
- If all staff are working on Sunday / holiday, then CO will not be given for that day.
- If worked for less than 4 hours, then these working hours will not be counted for calculation of the CO. Half CO may be given in that case.
- All records of compensatory off (CO) are to be kept with college office.

Earned leave (EL)-
- Eligibility - Permanent staff or minimum service - 3+ years continuous service at institute.
- One EL for every 2 days of detention during summer / winter vacation.
- For detention purpose head of institute should release specific office order.
- To be availed with prior permission by HOD, sanction by Principal.
- Cumulative in nature. (max. 300)

Marathwada Mitra Mandal's Polytechnic, Pimpri Chinchwad, Pune-33 page 2 of 4

MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33	
ACADEMIC YEAR: 2024-25	
Doc. No.: Policy Doc-13	Rev. No.: 01
Page:3 out of 4	Rev. Dt: 09/10/2024
Policy Document - 2024 – 2025 – Leave Policy	

"येथे बहुतांचे हित"

- All records of earned leave (EL) are to be kept with college office.

Medical Leave (ML) —
- Eligibility - Minimum service - 2+ years continuous service at institute.
- Ten ML will be availed per year.
- Cumulative in nature. (max. 180).
- To be availed with permission from Principal.
- It should be minimum of 3 days at a time.
- A supporting medical certificate by a doctor (having min. MBBS degree) & fitness certificate on joining is needed.

Maternity Leave —
- Eligibility - Minimum Service - Permanent staff.
- 90 days of leave with full pay.
- Rejoining permitted only at the start of the next academic session.
- Additional leave if needed can be consumed from EL (maximum up to 15 days) then after LWP will be considered.

Special Leave (SL) —
- Eligibility - Minimum Service - 06 months' continuous service at institute.
- Full pay leave will be granted in the following events / situations –
  - i) Marriage of the employee (Self). – 05 days.
  - ii) Death of a blood relative: – 05 days. Leave will be granted for the passing of immediate family members, including mother, father, brother, sister, son, daughter, spouse (Wife/Husband).
  - iii) Examination of higher studies / improving educational qualification - Leaves for actual days of examination as per official time table, will be granted.
  - iv) Paternity leave: - 03 days.
- Employees must submit a written application to the Principal to obtain permission for Special Leave.

Marathwada Mitra Mandal's Polytechnic, Pimpri Chinchwad, Pune-33 page 3 of 4

MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33	
ACADEMIC YEAR: 2024-25	
Doc. No.: Policy Doc-13	Rev. No.: 01
Page:4 out of 4	Rev. Dt: 09/10/2024
Policy Document - 2024 – 2025 – Leave Policy	

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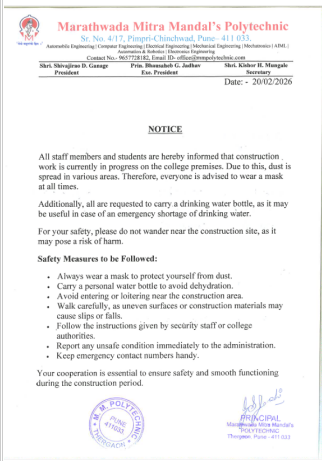
- Additional leave if needed, will be sanctioned as LWP.

Note: - All rights are reserved by the Principal / Secretary / Executive President.

Office Superintendent	IQAC Coordinator	Principal	The Executive President
Prepared By	Reviewed By	Recommended By	Approved By



Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune– 411 033.
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Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage	Prin. Bhausaheb G. Jadhav	Shri. Kishor H. Mungale
President	Exe. President	Secretary

Date: - 20/02/2026

NOTICE

All staff members and students are hereby informed that construction work is currently in progress on the college premises. Due to this, dust is spread in various areas. Therefore, everyone is advised to wear a mask at all times.

Additionally, all are requested to carry a drinking water bottle, as it may be useful in case of an emergency shortage of drinking water.

For your safety, please do not wander near the construction site, as it may pose a risk of harm.

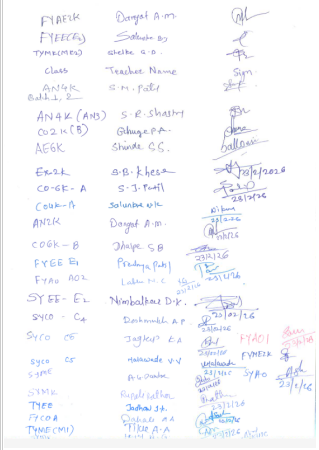
Safety Measures to be Followed:

- Always wear a mask to protect yourself from dust.
- Carry a personal water bottle to avoid dehydration.
- Avoid entering or loitering near the construction area.
- Walk carefully, as uneven surfaces or construction materials may cause slips or falls.
- Follow the instructions given by security staff or college authorities.
- Report any unsafe condition immediately to the administration.
- Keep emergency contact numbers handy.

Your cooperation is essential to ensure safety and smooth functioning during the construction period.

M.M. POLYTECHNIC PUNE 411033. THERGAON

PRINCIPAL
Marathwada Mitra Mandal's POLYTECHNIC
Thergaon, Pune - 411 033.



Rules, Policies, Procedures for students regarding:

1. DISCIPLINE:

a. Creating a nuisance on the campus is liable for disciplinary action.
b. The students must keep their mobile phones switched off during lecture hours and lab sessions. Violation of this rule will lead to confiscation of the mobile by the concerned teacher.
c. Ragging is strictly prohibited in the campus (Maharashtra Prohibition of Ragging Act 1999)
d. Students should take care of their belongings. The college authority will not be responsible for any loss or theft.
e. Smoking or chewing gum, ghutka, or Pan in the premises is strictly prohibited.

2. ATTENDANCE

a. The college expects 100% attendance for the theory and practical sessions. Some relaxation is possible to the extent of 25% on a valid reason and prior permission of the class teacher.
b. In no case should the attendance be less than 75% separately for theory and practicals; otherwise, he/she may be detained from appearing for board exams.

3. UNIFORM

a. Wearing of the I-Card is compulsory every day.
b. Wearing of uniform every day except Wednesday is compulsory. The student must also wear a uniform during examinations and various committee visits.
c. While representing our college during various events, students must wear the college uniform.
d. The college uniform should be clean and ironed properly.

4. CARE OF COLLEGE PROPERTY:

a. Students should treat Institute property with care.
b. Students are forbidden to write or scribble on the wall and furniture, dirty the classrooms or damage any material.
c. Parents/guardians will have to compensate for wilful damage done to college property.

5. LEAVE

a. Students should take prior permission for leave from their respective class teacher before proceeding on leave.
b. In case of an emergency, parents can contact the respective class teacher at the given phone number.
c. If the student takes sick leave for more than 3 days, he/she must produce a medical certificate.
d. No student suffering from any contagious or infectious disease shall be permitted to attend classes.

6. LIBRARY Rules:

a. Silence should be observed in the library at all times.
b. Students should not bring any book of their own into the library except their notebooks and a pen or pencil.
c. Books should be returned on or before the due date indicated on them without fail. Delay in doing so will result in a fine of Re 1/- per day per book.
d. The librarian has the right to recall a book from students or staff at any time, even before the due date indicated on the book.
e. Books can be renewed for a period of one week, provided the book is not in great demand.
f. Before leaving the library, books to be borrowed must be carefully examined by the student. He/ She should report any damage to the book to the librarian immediately. A fine will be levied if the book is lost; it must be replaced at once or duly compensated for.
g. No book, magazine or newspaper shall be taken out of the library without the permission of the librarian.

Marathwada Mitra Mandal's Polytechnic
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Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage	Prin. Bhausaheb G. Jadhav	Shri. Kishor H. Mungale
President	Exe. President	Secretary

Date: - 29-11-2025

NOTICE

All the students of FY, SY & TY are hereby informed that, the academics of next semester will start from 15-12-2025. The attendance is compulsory & wearing of uniform along with college I-Card is compulsory from first day.

All the students must ensure that outstanding fees (if any) are paid in full before attending classes.

M.M. POLYTECHNIC PUNE 411033. THERGAON

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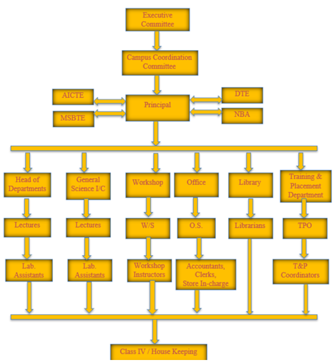
Marathwada Mitra Mandal's POLYTECHNIC
Thergaon, Pune - 411 033.

D. Extent of awareness among the employees/students (01)-

The college ensures adequate awareness among faculty, staff, and students regarding the institution's Vision and Mission, Outcome-Based Education (OBE), Program Outcomes (POs), Course Outcomes (COs), academic regulations, and NBA accreditation processes through orientation programs, meetings, workshops, notices, displays, and regular interactions. All stakeholders are actively informed and encouraged to participate in continuous quality improvement activities as per NBA guidelines.

9.1.3 Decentralization in working and grievance redressal mechanism (5)	Institute Marks
	5.00

9.1.3 Decentralisation in Working and Grievance Redressal Mechanism (05)



Principal: Academic and Administrative Head of the Institution.

- Provide effective leadership to the College.
- Interaction with Management, AICTE, DTE, MSBTE, Industries, Parents, Students, Alumni and other stakeholders.
- Implement policies of management, action taken as per directives of the Governing Body and Campus Coordination Committee.
- Present Institute reports before the Institute Monitoring Committee of MSBTE.
- Direct staff on all college chores.
  - Approve the academic calendar, hold faculty meetings, monitor admissions, and academic and exam-related work. Monitor faculty performance.

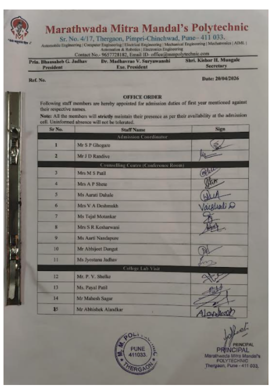
- Evolve future plan and prepare for progress, development and sustainability of the Institute.
  - Monitors smooth conduct of Quality Management System

Head of the Department / In-charge.

- The Head of the Department is the key person for the smooth functioning of the department as per the academic calendar.
- The staff of the concerned department has to report to the Head from time to time.
- HOD guides and directs the department staff members.
- HOD runs the co-curricular and extracurricular activities of the students of the departments.
- HOD monitors the Industry interaction for Guest lectures, Internship and Projects.
- Reports to the Principal regarding all the requirements of the department, such as Faculty Member, supporting staff, equipment, books & journals, maintenance, etc.
- Represents the department and will report to the Principal all the requirements/shortcomings for the development and proper functioning of the Department, during weekly/fortnightly meetings.

- Responsible for innovative programs, including collaboration with other institutions and different industries.
- More committees formed as and when required.

1. **Admission Cell: First Year and Direct Second Year**



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Prin. Bhausaheb G. Jadhav, President — Dr. Madhavrao V. Suryawanshi, Exe. President — Shri. Kishor H. Mungale, Secretary

Ref. No. Date: 20/04/2026

OFFICE ORDER

Following staff members are hereby appointed for admission duties of first year mentioned against their respective names.

Note: All the members will strictly maintain their presence as per their availability at the admission cell. Uninformed absence will not be tolerated.

Sr No.	Staff Name	Sign
	Admission Coordinator	
1	Mr S P Ghogare	
2	Mr J D Randive	
	Counselling Centre (Conference Room)	
3	Mrs M S Patil	
4	Mrs A P Shete	
5	Ms Aarati Dahale	
6	Mrs V A Deshmukh	Vaishali D
7	Ms Tejal Motankar	
8	Mrs S R Kesharwani	
9	Ms Aarti Nandapure	
10	Mr Abhijeet Dangat	
11	Ms Jyostana Jadhav	
	College Lab Visit	
12	Mr. P. V. Shelke	
13	Ms. Payal Patil	
14	Mr Mahesh Sagar	
15	Mr Abhishek Alandkar	Alandkar

M. M. POLYTECHNIC PUNE 411033. THERGAON

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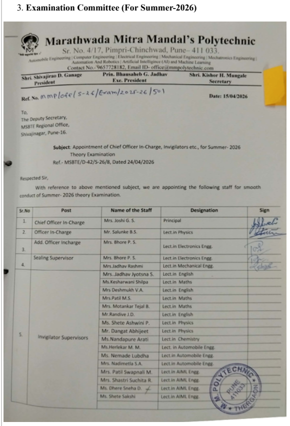
2. **Functions of the Admission Cell are:**

- Counselling at various Schools for SSC appearing students.
- Arranging School students visit to college facilities.
- Guidance about the Centralised Admission Process of the State Government.
- List of essential documents to be kept ready for the admission application registration.
- Facilitation Centre for the issue of Login kits with the admission brochure.
- Assistance for submitting online admission forms to the students.
- Assist students in uploading Institute and Course Options during CAP Rounds.
- Guidance to Students/Parents about Course details and prospects.
- Counselling the admission allotted students for document submission and payment of fees.
- Orient the students for Academic and Co-curricular activities.
- Upload the admitted student's data on DTE / MSBTE Portals.
- Keep Documentation ready for Merit List verification.
- Complete the Document Verification and Merit List Approval as per the DTE RO-notified schedule.

3. **Examination Committee (For Summer-2026)**



Marathwada Mitra Mandal's Polytechnic
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Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage, President — Prin. Bhausaheb G. Jadhav, Exe. President — Shri. Kishor H. Mungale, Secretary

Ref. No. mmp/ofe/S-26/Exam/2025-26/501 Date: 15/04/2026

To,
The Deputy Secretary,
MSBTE Regional Office,
Shivajinagar, Pune-16.

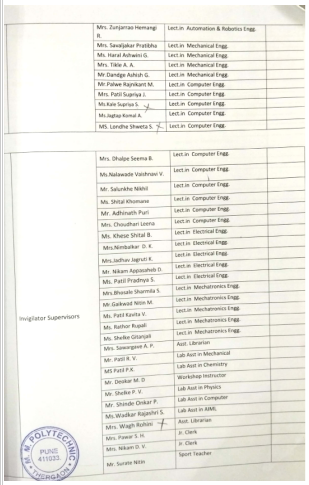
Subject: Appointment of Chief Officer In-Charge, Invigilators etc., for Summer- 2026 Theory Examination
Ref.- MSBTE/D-42/S-26/8, Dated 24/04/2026

Respected Sir,

With reference to above mentioned subject, we are appointing the following staff for smooth conduct of Summer- 2026 theory Examination.

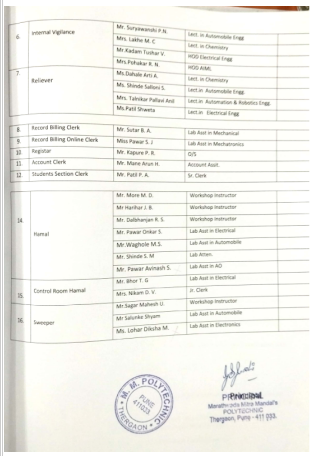
Sr.No	Post	Name of the Staff	Designation	Sign
1.	Chief Officer In-Charge	Mrs. Joshi G. S.	Principal	
2.	Officer In-Charge	Mr. Salunke B.S.	Lect.in Physics	
3.	Add. Officer Incharge	Mrs. Bhore P. S.	Lect.in Electronics Engg.	
4.	Sealing Supervisor	Mrs. Bhore P. S.	Lect.in Electronics Engg.	
		Mrs.Jadhav Rashmi	Lect.in Mechanical Engg.	
5.	Invigilator Supervisors	Mrs..Jadhav Jyotsna S.	Lect.in English	
		Ms.Kesharwani Shilpa	Lect.in Maths	
		Mrs Deshmukh V.A.	Lect.in English	
		Mrs.Patil M.S.	Lect.in Maths	
		Mrs. Motankar Tejal B.	Lect.in Maths	
		Mr.Randive J.D.	Lect.in English	
		Ms. Shete Ashwini P.	Lect.in Physics	
		Mr. Dangat Abhijeet	Lect.in Physics	
		Ms.Nandapure Arati	Lect.in Chemistry	
		Ms.Herlekar M. M.	Lect. in Automobile Engg.	
		Ms. Nemade Lubdha	Lect.in Automobile Engg.	
		Mrs. Nadimetla S.A.	Lect.in Automobile Engg.	
		Mrs. Patil Swapnali M.	Lect.in AIML Engg.	
		Mrs. Shastri Suchita R.	Lect.in AIML Engg.	
		Ms. Dhere Sneha D.	Lect.in AIML Engg.	
		Ms. Shete Sakshi	Lect.in AIML Engg.	

M. M. POLYTECHNIC PUNE 411033 THERGAON



	Mrs. Zunjarrao Hemangi R.	Lect.in Automation & Robotics Engg.	
	Mrs. Savaljakar Pratibha	Lect.in Mechanical Engg.	
	Ms. Haral Ashwini G.	Lect.in Mechanical Engg.	
	Mrs. Tike A. A.	Lect.in Mechanical Engg.	
	Mr. Dandge Ashish G.	Lect.in Mechanical Engg.	
	Mr. Palwe Rajnikant M.	Lect.in Computer Engg.	
	Mrs. Patil Supriya J.	Lect.in Computer Engg.	
	Ms.Kale Supriya S.	Lect.in Computer Engg.	
	Ms.Jagtap Komal A.	Lect.in Computer Engg.	
	MS. Londhe Shweta S.	Lect.in Computer Engg.	

Invigilator Supervisors	Mrs. Dhalpe Seema B.	Lect.in Computer Engg.	
	Ms.Nalawade Vaishnavi V.	Lect.in Computer Engg.	
	Mr. Salunkhe Nikhil	Lect.in Computer Engg.	
	Ms. Shital Khomane	Lect.in Computer Engg.	
	Mr. Adhinath Puri	Lect.in Computer Engg.	
	Mrs. Choudhari Leena	Lect.in Computer Engg.	
	Ms. Khese Shital B.	Lect.in Electrical Engg.	
	Mrs.Nimbalkar D. K.	Lect.in Electrical Engg.	
	Mrs.Jadhav Jagruti K.	Lect.in Electrical Engg.	
	Mr. Nikam Appasaheb D.	Lect.in Electrical Engg.	
	Ms. Patil Pradnya S.	Lect.in Electrical Engg.	
	Mrs.Bhosale Sharmila S.	Lect.in Mechatronics Engg.	
	Mr.Gaikwad Nitin M.	Lect.in Mechatronics Engg.	
	Ms. Patil Kavita V.	Lect.in Mechatronics Engg.	
	Ms. Rathor Rupali	Lect.in Mechatronics Engg.	
	Ms. Shelke Gitanjali	Lect.in Mechatronics Engg.	
	Mrs. Sawargaet A. P.	Asst. Librarian	
	Mr. Patil R. V.	Lab Asst in Mechanical	
	MS Patil P.K.	Lab Asst in Chemistry	
	Mr. Deokar M. D	Workshop Instructor	
	Mr. Shelke P. V.	Lab Asst in Physics	
	Mr. Shinde Onkar P.	Lab Asst in Computer	
	Ms.Wadkar Rajeshri S.	Lab Asst in AIML	
	Mrs. Wagh Rohini	Asst. Librarian	
	Mrs. Pawar S. H.	Jr. Clerk	
	Mrs. Nikam D. V.	Jr. Clerk	
	Mr. Surate Nitin	Sport Teacher.	

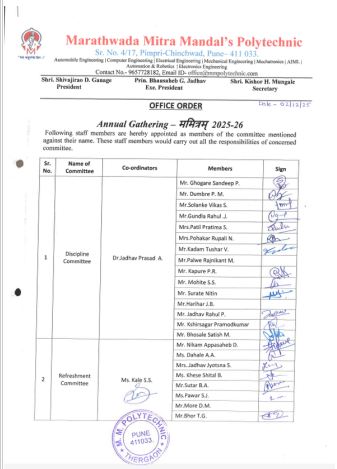


6	Internal Vigilance	Mr. Suryawanshi P.N.	Lect. in Automobile Engg
		Mrs. Lakhe M. C.	Lect. in Chemistry
		Mr.Kadam Tushar V.	HOD Electrical Engg
7.	Reliever	Mrs.Pohakar R. N.	HOD AIML
		Ms.Dahale Arti A.	Lect. in Chemistry
		Ms. Shinde Sailoni S.	Lect.in Automobile Engg
		Mrs. Talnikar Pallavi Anil	Lect.in Automation & Robotics Engg.
		Ms.Patil Shweta	Lect.in Electrical Engg
8.	Record Billing Clerk	Mr. Sutar B. A.	Lab Asst in Mechanical
9.	Record Billing Online Clerk	Miss Pawar S. J.	Lab Asst in Mechatronics
10.	Registar	Mr. Kapure P. R.	O/S
11.	Account Clerk	Mr. Mane Arun H.	Account Asst.
12.	Students Section Clerk	Mr. Patil P. A.	Sr. Clerk
14.	Hamal	Mr. More M. D.	Workshop Instructor
		Mr Harihar J. B.	Workshop Instructor
		Mr. Dalbhanjan R. S.	Workshop Instructor
		Mr. Pawar Onkar S.	Lab Asst in Electrical
		Mr.Waghole M.S.	Lab Asst in Automobile
		Mr. Shinde S. M.	Lab Atten.
		Mr. Pawar Avinash S.	Lab Asst in AO
15.	Control Room Hamal	Mr. Bhor T. G.	Lab Asst in Electrical
		Mrs. Nikam D. V.	Jr. Clerk
16.	Sweeper	Mr.Sagar Mahesh U.	Workshop Instructor
		Mr Salunke Shyam	Lab Asst in Automobile
		Ms. Lohar Diksha M.	Lab Asst in Electronics

The functions of the examination committee include-

- Examination-related guidelines are forwarded to concerned staff and students from time to time.
- Maintain details of Learning Disability (LD) students for awarding applicable concessions as per MSBTE norms.
- Record Keeping and Safety of Exam Stationery and other related Inventory.
- All necessary arrangements for the smooth conduction of the examination.
- Examination to be held in a disciplined and proper manner.

4. **Gathering Committee - 2025-26**



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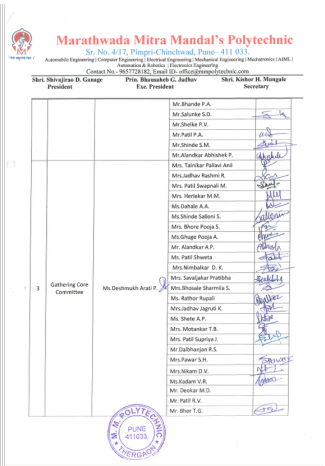
Shri. Shivajirao D. Ganage President | **Prin. Bhausaheb G. Jadhav** Exe. President | **Shri. Kishor H. Mungale** Secretary

OFFICE ORDER

Annual Gathering – मनिषम् 2025-26

Following staff members are hereby appointed as members of the committee mentioned against their name. These staff members would carry out all the responsibilities of concerned committee.

Sr. No.	Name of Committee	Co-ordinators	Members	Sign
1	Discipline Committee	Dr.Jadhav Prasad A.	Mr. Ghogare Sandeep P.	
			Mr. Dumbre P. M.	
			Mr.Solanke Vikas S.	
			Mr.Gundla Rahul J.	
			Mrs.Patil Pratima S.	
			Mrs.Pohakar Rupali N.	
			Mr.Kadam Tushar V.	
			Mr.Palwe Rajnikant M.	
			Mr. Kapure P.R.	
			Mr. Mohite S.S.	
			Mr. Surate Nitin	
			Mr.Harihar J.B.	
			Mr. Jadhav Rahul P.	
			Mr. Kshirsagar Pramodkumar	
			Mr. Bhosale Satish M.	
2	Refreshment Committee	Ms. Kale S.S.	Mr. Nikam Appasaheb D.	
			Ms. Dahale A.A.	
			Mrs. Jadhav Jyotsna S.	
			Ms. Khese Shital B.	
			Mr.Sutar B.A.	
			Ms. Pawar S.J.	
			Mr.More D.M.	
			Mr.Bhor T.G.	



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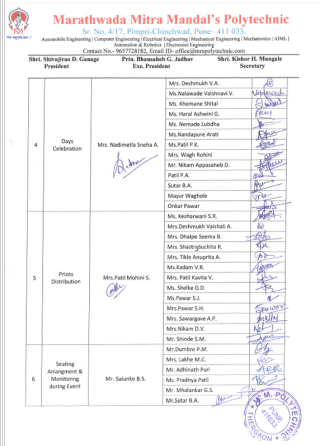
Shri. Shivajirao D. Ganage President	Prin. Bhausaheb G. Jadhav Exe. President	Shri. Kishor H. Mungale Secretary

			Mr.Bhande P.A.	
			Mr.Salunke S.D.	
			Mr.Shelke P.V.	
			Mr.Patil P.A.	
			Mr.Shinde S.M.	
			Mr.Alandkar Abhishek P.	
			Mrs. Talnikar Pallavi Anil	
			Mrs.Jadhav Rashmi R.	
			Mrs. Patil Swapnali M.	
			Mrs. Herlekar M.M.	
			Ms.Dahale A.A.	
			Ms.Shinde Sailoni S.	
			Mrs. Bhore Pooja S.	
			Ms.Ghuge Pooja A.	
			Mr. Alandkar A.P.	
			Ms. Patil Sheeta	
			Mrs.Nimbalkar D. K.	
3	Gathering Core Committee	Ms.Deshmukh Arati P.	Mrs. Savaljakar Pratibha	
			Mrs.Bhosale Sharmila S.	
			Ms. Rathor Rupali	
			Mrs.Jadhav Jagruti K.	
			Ms. Shete A.P.	
			Mrs. Motankar T.B.	
			Mrs. Patil Supriya J.	
			Mr.Dalbhanjan R.S.	
			Mrs.Pawar S.H.	
			Mrs.Nikam D.V.	
			Ms.Kadam V.R.	
			Mr. Deokar M.D.	
			Mr. Patil R.V.	
			Mr. Bhor T.G.	



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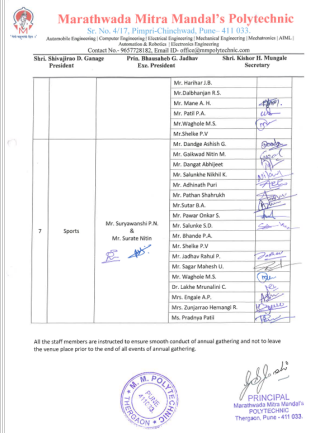
Shri. Shivajirao D. Ganage President	Prin. Bhausaheb G. Jadhav Exe. President	Shri. Kishor H. Mungale Secretary

			Mrs. Deshmukh V.A.	
			Ms.Nalawade Vaishnavi V.	
			Ms. Khomane Shital	
			Ms. Haral Ashwini G.	
			Ms. Nemade Lubdha	
			Ms.Nandapure Arati	
4	Days Celebration	Mrs. Nadimetla Sneha A.	Ms.Patil P.K.	
			Mrs. Wagh Rohini	
			Mr. Nikam Appasaheb D.	
			Patil P.A.	
			Sutar B.A.	
			Mayur Waghole	
			Onkar Pawar	
			Ms. Keshanavar S.R.	
			Mrs.Deshmukh Vaishali A.	
			Mrs. Dhalpe Seema B.	
			Mrs. Shastrigiuchita R.	
			Mrs. Tikle Anupritta A.	
5	Prizes Distribution	Mrs.Patil Mohini S.	Ms.Kadam V.R.	
			Mrs. Patil Kavita V.	
			Ms. Shelke G.D.	
			Ms.Pawar S.J.	
			Mrs.Pawar S.H.	
			Mrs. Sawargave A.P.	
			Mrs.Nikam D.V.	
			Mr. Shinde S.M.	
			Mr.Dumbre P.M.	
			Mrs. Lakhe M.C.	
6	Seating Arrangment & Monitoring during Event	Mr. Salunke B.S.	Mr. Adhinath Puri	
			Ms. Pradnya Patil	
			Mr. Mhalankar G.S.	
			Mr.Sutar B.A.	



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Shri. Shivajirao D. Ganage President	Prin. Bhausaheb G. Jadhav Exe. President	Shri. Kishor H. Mungale Secretary

			Mr. Harihar J.B.	
			Mr.Dalbhanjan R.S.	
			Mr. Mane A. H.	
			Mr. Patil P.A.	
			Mr.Waghole M.S.	
			Mr.Shelke P.V	
			Mr. Dandge Ashish G.	
			Mr. Gaikwad Nitin M.	
			Mr. Dangat Abhijeet	
			Mr. Salunkhe Nikhil K.	
			Mr. Adhinath Puri	
			Mr. Pathan Shahrukh	
			Mr.Sutar B.A.	
			Mr. Pawar Onkar S.	
			Mr. Salunke S.D.	
			Mr. Bhande P.A.	
			Mr. Shelke P.V	
			Mr. Jadhav Rahul P.	
			Mr. Sagar Mahesh U.	
			Mr. Waghole M.S.	
			Dr. Lakhe Mrunalini C.	
			Mrs. Engale A.P.	
			Mrs. Zunjarrao Hemangi R.	
			Ms. Pradnya Patil	

7	Sports	Mr. Suryawanshi P.N. & Mr. Surate Nitin	

All the staff members are instructed to ensure smooth conduct of annual gathering and not to leave the venue place prior to the end of all events of annual gathering.

PRINCIPAL
Marathwada Mitra Mandal's POLYTECHNIC
Thergaon, Pune - 411 033.

This Committee organizes cultural and sports events as per the academic calendar.

- The committee estimates and gets a note sanctioned for the expenditure of the cultural event.
- Makes all required notices for staff and students.
- Make all required arrangements for the event.
- Conducts the event along with all staff and the Principal.
- The activities include singing, dancing, Mehendi competition, fun fair, Elocution, Rangoli, Traditional day, etc.
- The sports event includes cricket, volleyball, Kabaddi, Chess, Carrom, Table-tennis, etc.

5. **Training and Placement Cell (2025-26)**

Sr. No	Name of Staff	Designation
1	Mrs. G. S. Joshi	Principal
2	Mr. G. S. Mhalankar	TPO
3	Mrs. M. M. Herlekar	T&P Coordinator - Automobile Department
4	Mr. N. K. Salunkhe	T&P Coordinator - Computer Department
5	Mrs. D. K. Nimbalkar	T&P Coordinator - Electrical Department
6	Mrs. P. R. Savaljkar	T&P Coordinator - Mechanical Department
7	Ms. G. D. Shelke	T&P Coordinator - Mechatronics Department

- Interaction with potential recruiters
- Organizing Industry Institute Meet
- Placement Presentation at various Companies
- Organizing resume Writing/GD/Interviews skills development sessions
- Developing and maintaining student record
- Allocation of companies to student groups
- Coordinating all the activities related to Placement
- Monitoring the progress of Placement activities at regular intervals

Teachers & supporting staff are assigned various responsibilities, such as Class Teachers, Mentors, Co-curricular coordinators, and Academic Lab Assistants, each with a specific list of duties. The list of duties is prepared in accordance with the guidelines. Additional committees are prepared as and when required

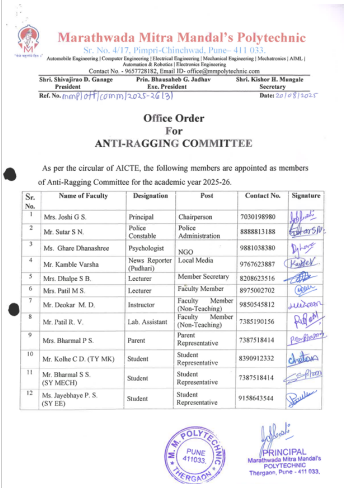
The following four committees are formed for the Redressal of Grievances-

1. **Anti-Ragging Committee**
2. **Women Grievance Redressal Committee**
3. **Student Grievance Redressal Cell**
4. **SC/ST (Prevention of Atrocities) Committee**
5. **ICIQAC Committee**
6. **Internal Complaint Committee (ICC)**

1. **Anti-Ragging Committee (2025-26)**

According to the provisions of the All India Council of Technical Education Advt. No. AR/05(04)/2012 (Public Notice), & Notification dt.1.7.2009, the Principal framed the Anti-Ragging Committee in the College for each academic year.

The Committee includes the Principal as Chairperson and 11 Members.



Marathwada Mitra Mandal's Polytechnic

Sr. No. 4/17, Pimpri-Chinchwad, Pune - 411 033.

Office Order
For
ANTI-RAGGING COMMITTEE

As per the circular of AICTE, the following members are appointed as members of Anti-Ragging Committee for the academic year 2025-26.

Sr. No.	Name of Faculty	Designation	Post	Contact No.	Signature
1	Mrs. Joshi G S.	Principal	Chairperson	7030198980	
2	Mr. Satar S N.	Police Constable	Police Administration	8888813188	
3	Ms. Ghare Dhanashree	Psychologist	NGO	9881058380	
4	Mr. Kamble Varsha	News Reporter (Pudhari)	Local Media	9767623887	
5	Mrs. Dhalpe S B.	Lecturer	Member Secretary	8208623516	
6	Mrs. Patil M S.	Lecturer	Faculty Member	8975002702	
7	Mr. Deokar M. D.	Instructor	Faculty Member (Non-Teaching)	9850545812	
8	Mr. Patil R. V.	Lab. Assistant	Faculty Member (Non-Teaching)	7385190156	
9	Mrs. Bharmal P S.	Parent	Parent Representative	7387518414	
10	Mr. Kolhe C D. (TY MK)	Student	Student Representative	8390912332	
11	Mr. Bharmal S S. (SY MECH)	Student	Student Representative	7387518414	
12	Ms. Jayebhaye P. S. (SY EE)	Student	Student Representative	9158643544	

PRINCIPAL
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Thergaon, Pune - 411 033.

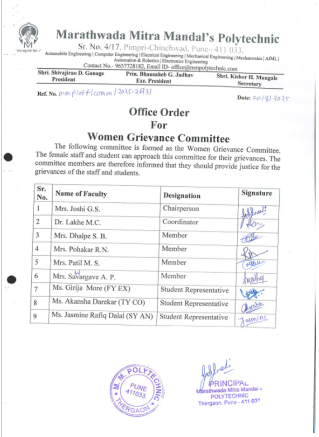
Activities undertaken (Every year)

- Formation of the committee by the Principal
- Planning of meetings at the beginning of the Semester
- Display of Ragging prohibition notices on all department notice boards
- Selection of the Staff representatives from each department to take rounds for the prohibition of ragging.
- Regular meetings to resolve the problems, if any.

2. Women Grievance Redressal Committee (2025-26)

As per the Circular of the Director of Technical Education, M.S., Mumbai, No. 16/Est/Misc/2012/Sha/2193 dt. 26th July 2012, the Women's Grievance Committee started functioning in the College for each academic year. This Cell helps women faculty and female students to record their complaints and solve their problems related to resources and personal grievances. Women's harassment complaints will be handled as per government norms.

Women's Grievance Redressal Committee functions with a view to looking after the general well-being of the womenfolk on the campus. It organizes different women's empowerment programs. All women staff and female students are members of the cell. Any type of sexual harassment, physical, verbal or mental shall come under the purview of the cell, and it is empowered to initiate actions against such offences.



Marathwada Mitra Mandal's Polytechnic

Sr. No. 4/17, Pimpri-Chinchwad, Pune - 411 033.

Office Order
For
Women Grievance Committee

The following committee is formed as the Women Grievance Committee. The female staff and student can approach this committee for their grievances. The committee members are therefore informed that they should provide justice for the grievances of the staff and students.

Sr. No.	Name of Faculty	Designation	Signature
1	Mrs. Joshi G.S.	Chairperson	
2	Dr. Lakhe M.C.	Coordinator	
3	Mrs. Dhalpe S. B.	Member	
4	Mrs. Pohakar R.N.	Member	
5	Mrs. Patil M. S.	Member	
6	Mrs. Savargave A. P.	Member	
7	Ms. Girija More (FY EX)	Student Representative	
8	Ms. Akansha Darekar (TY CO)	Student Representative	
9	Ms. Jasmine Rafiq Dalal (SY AN)	Student Representative	

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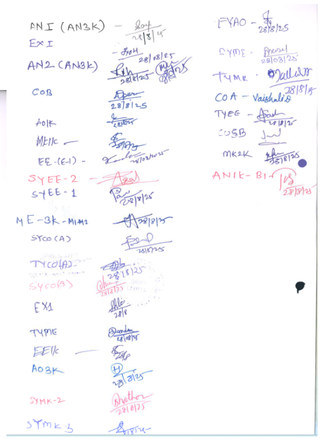
Grievance Reporting Procedure

- The Committee will deal with the cases/complaints of physical, verbal, mental and sexual harassment of the female teaching and non-teaching staff of the Polytechnic College.
- The committee may form/review the guidelines /policy for redressal of the grievance as required from time to time, which may be in accordance with those issued by the Supreme Court and Government Agencies.
- Female employee will have the right to lodge a complaint concerning sexual harassment against a male employee of the college or the members of the authorities of the Management, by writing a letter to the Principal of the college or putting the complaint in the Complaint Box, which is to be placed in the Library/Office.
- The Complaint Box is to be opened once a week by the Committee Member. If there is any complaint by the female staff or student, it is to be reported to the Chairman of the Committee.
- The complainant will be afforded full confidentiality at this stage.
- After receiving the complaint, the Chairperson shall convene a meeting of the cell, as the case may be, to deal with it.
- The Chairperson may appoint an Investigation Committee, as the case may be.
- Whenever the Investigation Committee is set up by the Chairman, the Convener (Chairperson of Investigating Committee) shall convene a meeting for which advance intimation will be given to the complainant.
- At the first meeting, the complainant or, at her request, her representative shall be heard.
- The Investigation Committee shall then decide whether the complaint deserves to be proceeded with.
- The complaint will stand dropped if, in accordance with the committee, the complainant has not been able to disclose prima facie an offence of any type of harassment.
- In case the Investigation Committee decides to proceed with the complaint, the wishes of the complainant shall be ascertained, and if the complainant wishes that a warning would suffice, then the alleged offender shall be called to the meeting of the Committee, heard and if so satisfied that a warning is just and proper, he may be warned about his behavior. The matter will then be treated as concluded with a recording to that effect made in the complaint Register.
- If the Investigation Committee comes to the conclusion that the accused, in case of his guilt being proved, a major penalty should be imposed, it shall make such a recommendation to the Principal of Polytechnic.



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Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage President	Prin. Bhausaheb G. Jadhav Exe. President	Shri. Kishor H. Mungale Secretary

Ref. No. mmP/Poly/office/25/31 Date:

INSTITUTE NOTICE

Academic Year – 2025-26

All the girls students of First, second and third year are hereby informed that a "WOMEN'S GRIEVANCE meeting" is scheduled on 28th August, 2025, at 4.00 pm in Seminar Hall.

All Ladies Faculties (teaching and non-teaching) should remain present for the meeting.

Regards,

Mrs. Geeta S. Joshi
(Principal)

PRINCIPAL
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Meeting Date: 28th August, 2025
Venue: Seminar Hall
Time: 4.20 pm

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Shri. Shivajirao D. Ganage President	Prin. Bhausaheb G. Jadhav Exe. President	Shri. Kishor H. Mungale Secretary

Minutes of the Meeting of Women Grievance Committee held on 28-08-25, Thursday, at 4.00 pm in SEMINAR HALL

Following grievances of girls and lady staff has been discussed in the meeting:

1) Mrs. S.B. Dhalpe read out the minutes of the previous meeting.
2) Principal Mam advised to girl students to concentrate on self-study. And to prepare proper schedule for the same. Also, she told not to use more mobile while doing study. She convinced to share the same with parents.
3) Committee members requested to principal mam that there is need of bus facility and girl's hostel for the girl students.
4) According to suggestions from girls, discipline round should be after college for girl's security purpose. Mrs S.B. Dhalpe mam asked to anti ragging squad to take continuous discipline after college.
5) According to suggestions from girls, girl's washrooms should be properly clean. Principal Mrs G.S. Joshi madam gave the assurance that girl's washrooms will be properly clean.
6) Committee coordinator gave awareness for **"Damini Pathak"** to girl students.
7) Regarding matters relating to complaints, it was found that there is not a single case of women harassment brought to the notice of the committee.

M. M. POLYTECHNIC PUNE 411033. THERGAON

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3. **Grievance Redressal Cell (2025-26)**

Marathwada Mitra Mandal's Polytechnic
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Contact No. - 9657728182, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage President	Prin. Bhausaheb G. Jadhav Exe. President	Shri. Kishor H. Mungale Secretary

Ref. No. mmP/off/2025-26/31 Date: - 20/08/2025

Office Order
For
Grievance Redressal Committee

The following committee is formed as a Grievance Redressal Committee. The staff, students & their parents can approach this committee for their grievances. The committee members are therefore informed that they should provide justice for the grievances of the staff, students & their parents.

Sr. No.	Name of Member with Contact Number	Designation	Signature
1.	Mrs. G. S. Joshi 7030198980	Chairperson	
2.	Mr. P. M. Dumbre 9766000223	Coordinator	
3.	Mrs. S. B. Dhalpe 8208623516	Member	
4.	Mr. V. S. Solanke 9823202098	Member	
5.	Dr. P. A. Jadhav 9423959362	Member	
6.	Mr. R. J. Gundla 8055103040	Member	
7.	Mr. T. V. Kadam 8806107819	Member	
8.	Mr. S. P. Ghogare 9850293974	Member	
9.	Mrs. R. M. Pohakar 8087618454	Member	

M. M. POLYTECHNIC PUNE 411033. THERGAON

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The Students Grievance Redressal Cell functions are:

- Invite students' suggestions for improving theory and practical teaching performances.
- Suggestion/complaint box has been installed in front of Grievance Cell in the Administrative Block, in which the students, who want to remain anonymous, put in writing their grievances and their suggestions for improving the Academic/Administration in the College.
- Advising Students of the college to respect the rights and dignity of one another and show utmost restraint and patience whenever any occasion of rift arises.
- Advising all the students to refrain from inciting students against other students, teachers and college administration.
- Advising all staff to be affectionate to the students and not behave in a vindictive manner towards any of them for any reason.
- Monitor student activities to prevent untoward incidents.
- Disobedient students are being identified and are counselled to be punctual.

4. **SC/ST (Prevention of Atrocities) Committee**

Marathwada Mitra Mandal's Polytechnic
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Shri. Shivajirao D. Ganage	Prin. Bhausaheb G. Jadhav	Shri. Kishor H. Mungale
President	Exe. President	Secretary

Ref. No. mmp/off/comm/2025-26/31 Date: 20/08/2025

Office Order
For
SC / ST (Prevention of Atrocities) Committee

The following committee is formed as the SC / ST (Prevention of Atrocities) Committee. The staff & students of the SC / ST category can approach this committee for their grievances. The committee members are therefore informed that they should provide justice for the grievances of the SC / ST staff & students.

Sr. No.	Name of Faculty	Designation	Signature
1	Mrs. Joshi G.S.	Chairperson	
2	Mrs. Deshmukh A. P.	Coordinator	
3	Mrs. Savalajkar P. R.	Member	
4	Mr. Surate N. K.	Member	
6	Akansha Kamble (SY CO)	Student Representative	
7	Priti Pandit Surwase (SY AE)	Student Representative	
8	Dnyaneshwar Suradkar (SY AN)	Student Representative	

M. M. POLYTECHNIC PUNE 411033. THERGAON

PRINCIPAL
Marathwada Mitra Mandal's
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The cell is formed to ensure fair treatment to Reserve Category staff and students. The institute's overall ambience is extremely fair for all stakeholders, including students from economically weaker sections. Administration helps the students to fill scholarship forms and complete other documentation to entitle their learning at concessional fees. Students are properly informed about different scholarship schemes, deadlines, etc., to avail the benefit.

1. The Cell basically aims to uplift the morale of the deprived section of students and staff.
2. Ensures equal opportunities to all the students and staff irrespective of their background
3. Encourage and motivate through counselling and personality development programs

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Shri. Shivajirao D. Ganage	Prin. Bhausaheb G. Jadhav	Shri. Kishor H. Mungale
President	Exe. President	Secretary

Ref. No. Date: 06/11/25

NOTICE

The SC/ST (Prevention of Atrocities) Committee meeting is scheduled on 07th November, 2025, Friday, at 4.20 pm. In VG TAP.

Agenda of meeting

1. Welcome
2. Review of last meeting
3. Activities
4. Vote of thanks

Name of committee members:

Sr. No.	Name of Faculty	Designation	Signature
1	Mrs. Joshi G.S.	Chairperson	
2	Mrs. Deshmukh A. P.	Coordinator	
3	Mrs. Savalajkar P. R.	Member	
4	Mr. Surate N. K.	Member	
5	Akansha Kamble (SY CO)	Student Representative	
6	Priti Pandit Surwase (SY AE)	Student Representative	
7	Dnyaneshwar Suradkar (SY AN)	Student Representative	

Mrs Dhalpe S.B.
(Committee coordinator)

M. M. POLYTECHNIC PUNE 411033. THERGAON

Mrs Joshi G.S.
(Principal)
PRINCIPAL
Marathwada Mitra Mandal's
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Shri. Shivajirao D. Ganage	Prin. Bhausaheb G. Jadhav	Shri. Kishor H. Mungale
President	Exe. President	Secretary

Ref. No. Date: 07/11/25

ATTENDANCE – SC/ST COMMITTEE MEETING

Name of committee members:

Sr. No.	Name of Faculty	Designation	Signature
1	Mrs. Joshi G.S.	Chairperson	
2	Mrs. Deshmukh A. P.	Coordinator	
3	Mrs. Savalajkar P. R.	Member	
4	Mr. Surate N. K.	Member	
5	Akansha Kamble (SY CO)	Student Representative	
6	Priti Pandit Surwase (SY AE)	Student Representative	
7	Dnyaneshwar Suradkar (SY AN)	Student Representative	

Mrs Dhalpe S.B.
(Coordinator)

M. M. POLYTECHNIC PUNE 411033. THERGAON

Mrs Joshi G.S.
(Principal)
PRINCIPAL
Marathwada Mitra Mandal's
POLYTECHNIC
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Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage	Prin. Bhausaheb G. Jadhav	Shri. Kishor H. Mungale
President	Exe. President	Secretary

Minutes of the Meeting of SC/ST Committee held on 07-11-25, Friday, at 4.20 pm in VG TAP.

Proceedings:

1. **Mrs S.B. Dhalpe** read out the minutes of the previous meeting.
2. It is observed that the committee regularly organized interactive sessions and informal meetings with SC/ST students to attend to their personal, social and academic problems.
3. It is observed that no issues for SC/ST students. Committee members are working nicely for SC/ST students along with office staff. Principal Mam giving support to all of them. So meeting has over.
4. **Mrs. G.S. Joshi** (Principal Mam) gave a guidelines to committee members to look after in SC/ST students issues, if any.

Mrs. S.B.Dhalpe
(Committee coordinator)

M. M. POLYTECHNIC PUNE 411033. THERGAON

Mrs. G. S. Joshi
(Principal)
PRINCIPAL
Marathwada Mitra Mandal's
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Thergaon, Pune - 411 033.

ICIQAC Committee Institute level curriculum implementation and quality assurance committee

Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune– 411 033.
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Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage President	Prin. Bhausaheb G. Jadhav Exe. President	Shri. Kishor H. Mungale Secretary

Ref. No. Date: 26/08/2025

OFFICE ORDER

As per guidelines of MSBTE, "Institute level curriculum implementation and quality assurance committee" **(ICIQAC)** is being formulated in our institute for the year 2025-26. The chairman and the members of the unit are as follows:

Sr no.	Name	Post	Sign
1	Mrs G.S.Joshi	Ex.Officio. Chairman	
2	Mr. P.M. Dumbre	Ex.Officio.	
	Mr. V. S. Solanke		
	Mr. R. J. Gundla		
	Dr. P.A. Jadhav		
	Mr. S.P.Ghogare		
	Mr. T. V. Kadam		
	Mrs R.N. Pohakar		
	Mrs P.S.Patil		
3	Ms M.S.Patil	Members	
	Ms M.M. Herlekar		
4	Mr R.M. Palwe	Ex.Officio. Member secretary	
5	Ms G. A. Chavan	Student Representatives	
	Mr O. J. Bhosale		
6	Mr T. A. Thombare	Parent Representatives	
	Mr P. V. Tambe		
	Mr A. V. Kinge		

Mrs. Geeta. S. Joshi
(PRINCIPAL)
PRINCIPAL
Marathwada Mitra Mandal's POLYTECHNIC
Thergaon, Pune - 411 033

Functions of Committee

- **Curriculum Implementation**
  - Monitor effective delivery of curriculum as per affiliating body (MSBTE/AICTE).
  - Ensure CO–PO–PSO mapping and attainment tracking.
  - Recommend corrective actions (add-on courses, bridge programs, industry lectures).
- **Quality Assurance**
- Establish benchmarks for teaching-learning processes.
- Review assessment methods (question papers, moderation, Bloom's Taxonomy compliance).
- Ensure transparency in evaluation and result analysis.
- Collect and analyze feedback from students, faculty, alumni, and industry.
- Identify curriculum gaps and propose revisions.
- Promote innovative teaching practices (hackathons, projects, publications).
- Prepare documentation for NBA/NAAC/MSBTE submissions.
- Ensure systematic reporting of attainment levels and corrective actions.
- Maintain audit-ready records of academic processes.
- Organize FDPs, workshops, and training for faculty.
- Encourage student participation in research, internships, and industry projects.
- Track employability and skill development outcomes.
- Oversee adequacy of learning resources (library, labs, digital tools).
- Recommend upgrades in infrastructure to support curriculum needs.
- **Continuous Improvement**
- **Compliance & Accreditation**
- **Faculty & Student Development**
- **Library & Resource Monitoring**

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Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage President	Prin. Bhausaheb G. Jadhav Exe. President	Shri. Kishor H. Mungale Secretary

Date: 03/09/25

INSTITUTE LEVEL CURRICULUM IMPLEMENTATION AND QUALITY ASSURANCE COMMITTEE (ICIQAC)

Academic Year – 2025-26

All the members of "Institute level curriculum implementation and quality assurance committee" (ICIQAC) are hereby informed that a meeting of ICIQAC is planned on Thursday, 04th September, 2025 at 4.15 pm. You are requested to attend the above said meeting.

Regards,

Day & Date: Thursday, 04th September, 2025
Venue: VG TAP centre
Time: 4.15 pm

Mrs. Geeta S. Joshi
(Principal)
PRINCIPAL
Marathwada Mitra Mandal's POLYTECHNIC
Thergaon, Pune - 411 033

Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune– 411 033.
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Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage President	Prin. Bhausaheb G. Jadhav Exe. President	Shri. Kishor H. Mungale Secretary

Ref. No. Date: 04/09/25

INSTITUTE LEVEL CURRICULUM IMPLEMENTATION AND QUALITY ASSURANCE COMMITTEE (ICIQAC)

Academic Year 2025-26

Day & Date: **Thursday & 04th September 2025**

(Time: **4.15 pm**) (Venue: - **VG TAP centre**)

Agenda

1. Welcome
2. Vision Mission – Institute, Program
3. Discussion on teaching methodology and curriculum implementation
4. Discussion on new academics start
5. Head of department's plan for new academics
6. Principal's plan for new academics
7. Any other point
8. Vote of thanks

Marathwada Mitra Mandal's Polytechnic
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Shri. Shivajirao D. Ganage President	Prin. Bhausaheb G. Jadhav Exe. President	Shri. Kishor H. Mungale Secretary

Date: 04/09/25

INSTITUTE LEVEL CURRICULUM IMPLEMENTATION AND QUALITY ASSURANCE COMMITTEE (ICIQAC)

Academic Year: 2025-26

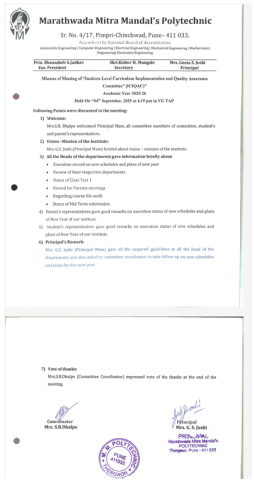
Day & Date: Thursday, 04th September, 2025

Time: 04:15 pm **Venue: VG TAP Center**

ATTENDANCE

Sr no.	Name	Post	Sign
1	Mrs G.S.Joshi	Ex.Officio. Chairman	
2	Mr. P.M. Dumbre	Ex.Officio.	
	Mr. V. S. Solanke		
	Mr. R. J. Gundla		
	Dr. P.A. Jadhav		
	Mr. S.P.Ghogare		
	Mr. T. V. Kadam		
	Mrs R.N. Pohakar		
	Mrs P.S.Patil		
3	Ms M.S.Patil	Member	
	Ms M.M. Herlekar		
4	Mr R.M. Palwe	Ex.Officio. Member secretary	
5	Ms G. A. Chavan	Student Representatives	
	Mr O. J. Bhosale		
6	Mr T. A. Thombare	Parent Representatives	
	Mr P. V. Tambe		
	Mr A. V. Kinge		

Mrs. Geeta S. Joshi (PRINCIPAL)
PRINCIPAL
Marathwada Mitra Mandal's POLYTECHNIC
Thergaon, Pune - 411 033



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Prin. Bhausaheb G.Jadhav Exe. President	Shri.Kishor H. Mungale Secretary	Mrs. Geeta S.Joshi Principal

Minutes of Meeting of "Institute Level Curriculum Implementation and Quality Assurance Committee" (ICIQAC)"
Academic Year 2025-26
Held On "04th September, 2025 at 4.15 pm in VG TAP

Following Points were discussed in the meeting:

1) **Welcome:**
Mrs.S.B. Dhalpe welcomed Principal Mam, all committee members of committee, student's and parent's representatives.
2) **Vision –Mission of the Institute:**
Mrs. G.S. Joshi (Principal Mam) briefed about vision – mission of the institute.
3) **All the Heads of the departments gave information briefly about**
- Execution record on new schedules and plans of new year
- Review of their respective departments
- Status of Class Test 1
- Issued for Parents meetings
- Regarding course file audit
- Status of Mid Term submission
4) Parent's representatives gave good remarks on execution status of new schedules and plans of New Year of our institute
5) Student's representatives gave good remarks on execution status of new schedules and plans of New Year of our institute.
6) **Principal's Remark:**
Mrs. G.S. Joshi (Principal Mam) gave all the required guidelines to all the head of the departments and also asked to committee coordinator to take follow up on new schedules and plans for this new year.

7) **Vote of thanks:**
Mrs.S.B.Dhalpe (Committee Coordinator) expressed vote of the thanks at the end of the meeting.

Coordinator
Mrs. S.B.Dhalpe

Principal
Mrs. G. S. Joshi
PRINCIPAL
Marathwada Mitra Mandal's POLYTECHNIC
Thergaon, Pune - 411 033

Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune– 411 033.
Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics | AIML | Automation & Robotics | Electronics Engineering
Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Shri. Shivajirao D. Ganage President	Prin. Bhausaheb G. Jadhav Exe. President	Shri. Kishor H. Mungale Secretary

Ref. No. mmp/off/comm/2025-26/31 Date: 20/08/2025

Office Order For Internal Complaint Committee

In accordance with the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013, the college hereby constitutes the Internal Complaints Committee (ICC) comprising the following members to address and resolve grievances related to sexual harassment. The committee shall function with impartiality, confidentiality, and a firm commitment to justice.

Sr. No.	Name of Member with Contact Number	Designation	Signature
1.	Mrs. R. N. Pohakar	Coordinator	
2.	Ms. Ghare Dhanashree	NGO	
3.	Ms. M. M. Herlekar	Member	
4.	Mrs S. B. Dhalpe	Member	
5.	Mrs. A. P. Sawargave	Member	
6.	Mr. P. M. Dumbre	Member	
7.	Mr. V. S. Solanke	Member	
8.	Ms. Y. G. Petkar (SY AI/ML)	Student Representative	
9.	Ms. N. K. Pansare (TY CO)	Student Representative	

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Thergaon, Pune - 411 033.

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Shri. Shivajirao D. Ganage President	Prin. Bhausaheb G. Jadhav Exe. President	Shri. Kishor H. Mungale Secretary

Date: 04/08/2025

"Internal Complaint Committee Meeting Notice"

The Internal complaint Committee meeting is scheduled on 05-08-2025 at 4.25 pm in VG TAP center.

Agenda of meeting:

1. Welcome
2. Review of last meeting
3. Activities / discussion
4. Vote of thanks

Name of members:

Sr. No.	Name of Member with contact number	Designation	Signature
1.	Mrs. R. N. Pohakar (8087618454)	Coordinator	
2.	Ms. Ghare Dhanashree (9881038380)	NGO	
3.	Ms. M. M. Herlekar (9518370718)	Member	
4.	Mrs S. B. Dhalpe (8208623516)	Member	
5.	Mrs. A. P. Sawargave (9762213268)	Member	
6.	Mr. P. M. Dumbre (9766000223)	Member	
7.	Mr. V. S. Solanke (9823202098)	Member	
8.	Ms. Yachika G. Petkar (SY AI/ML) (9359455098)	Student Representative	
9.	Ms. Nikita K. Pansare (TYCO) (7414926914)	Student Representative	

Mrs. Geeta. S. Joshi
(PRINCIPAL)

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Shri. Shivajirao D. Ganage President	Prin. Bhausaheb G. Jadhav Exe. President	Shri. Kishor H. Mungale Secretary

Ref. No. Date: 05/08/2025

"Internal Complaint Committee Meeting Attendance"

Name of members:

Sr. No.	Name of Member with Contact Number	Designation	Signature
1.	Mrs. R. N. Pohakar (8087618454)	Coordinator	
2.	Ms. Ghare Dhanashree (9881038380)	NGO	
3.	Ms. M. M. Herlekar (9518370718)	Member	
4.	Mrs S. B. Dhalpe (8208623516)	Member	
5.	Mrs. A. P. Sawargave (9762213268)	Member	
6.	Mr. P. M. Dumbre (9766000223)	Member	
7.	Mr. V. S. Solanke (9823202098)	Member	
8.	Ms. Yachika G. Petkar (SY AI/ML) (9359455098)	Student Representative	
9.	Ms. Nikita K. Pansare (TYCO) (7414926914)	Student Representative	

Mrs. Geeta. S. Joshi
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Shri. Shivajirao D. Ganage President	Prin. Bhausaheb G. Jadhav Exe. President	Shri. Kishor H. Mungale Secretary

Minutes of the Meeting of "Internal Complaint Committee" held on 05-08-2025 at 4.25pm in VG TAP

Proceedings:

1) Mrs Dhalpe S.B. (Committee coordinator), commenced the meeting by extending a warm welcome to all the attendees.
2) Finalized the schedule for activities planned (all curriculum Exams), also identified the hindrances for above activities planned.
3) The Committee noted that no complaint of sexual harassment has been received from any employee/student till date.
4) As there were no other points for discussion, the meeting was concluded with a the coordinator conveyed thanks to the members for attending the meeting and the members agreed that the Committee will meet every semester on a regular basis or earlier, if need arise.

Mrs. S.B.Dhalpe
(Committee coordinator)

Mrs. G. S. Joshi
(Principal)

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Thergaon, Pune - 411 033

9.1.4 Delegation of financial powers (5)	Institute Marks
	5.00

MARATHWADA MITRA MANDAL, PUNE
202/A, Deccan Gymkhana, Pune - 411004
Registration Under Societies Registration Act 1860-Mah./523 dated 6/1/1967
Registration Under Bombay Public Trust Act 1950-f-338(P) dated 19/1/1967
Tel. : 020-25665320, 8149032328 Telefax: 020 - 25653039
E-mail : mmmandal67@gmail.com

Shivajirao D. Ganage, President
Bhausaheb G. Jadhav, Exe. President
Kishor H. Mungale, Secretary

MMM/MMPOLY/2022-2023/1306 Date : 13th December , 2022

OFFICE ORDER

Subject : Authority Letter for Day to Day Expenses
Reference : Executive Committee Meeting held on 13/12/2022

Reference is made to the resolution passed in Executive Committee Meeting of Marathwada Mitra Mandal, Deccan Gymkhana, Pune 411 004 , held on 13/12/2022.

It has been resolved in the Executive Committee Meeting of Marathwada Mitra Mandal, Deccan Gymkhana, Pune 411 004 , held on 13/12/2022, the Principal of Marathwada Mitra Mandal's M.M. Polytechnic , Tharogaon (Kalewadi), Pune - 411 033 is a drawing and disbursing authority of the College and is answerable to the Management of Marathwada Mitra Mandal , Pune and others . Hence He/She is vested adequate powers for day to day administrative and financial power up to Rs.20,000/- (Rupees Twenty Thousand Only.) at a time to carry out day to day academic and administrative duties effectively.

This practice will come in effect from 13/12/2022 onwards till further order.

Place : Pune- 4
Date : 13/12/2022

Prin.B.G.Jadhav
Executive President
Marathwada Mitra Mandal,Pune

Copy for information and necessary action to :-

1. The Principal
Marathwada Mitra Mandal's M.M. Polytechnic
Thargaon (Kalewadi) ,
Pune - 411 033

2. Concerned Head of the Department and Dean
Marathwada Mitra Mandal's M.M. Polytechnic
Thargaon (Kalewadi) ,
Pune - 411 033

3. Accountant
Marathwada Mitra Mandal's M.M. Polytechnic
Thargaon (Kalewadi) ,
Pune - 411 033

9.1.5 Transparency and availability of correct/unambiguous information in public domain (5)	Institute Marks
	5.00

1. **Transparency and availability of correct/unambiguous information in the public domain (05)**

All the policies, rules, and processes are made available on the website. The institute website www.mmpolytechnic.edu.in includes exhaustive information about the M. M. Polytechnic and relevant information about sister institutions managed by the trust. Various notices are regularly posted, including the annual academic calendar.

9.2 Budget Allocation, Utilization, and Public Accounting at Institute level (10)	Total Marks 10.00

Summary of current financial year's budget and actual expenditure incurred(for the institution exclusively)in the three previous financial years

Marathwada Mitra Mandal's Polytechnic

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Prin.Bhausaheb G.Jadhav	Dr. Madhavrao V. Suryawanshi	Shri.Kishor H.Mungale
President	Exe.President	Secretary

Table of Recurring and Non-Recurring Expenses

Particulars / ITEMS	FY2022-23		FY2023-24		FY2024-25		FY2025-26	
	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual
Non-Recurring Expenses								
Computer & Softwares	3000000	2472611.37	5000000	4308736.4	5000000	4139419	5000000	4531321.77
CCTV Camera & DVR	100000	140296	20000	4701.1	500000	402001.18	50000	21752.12
Furniture & fixture	210000	240026	6000000	5193210.7	800000	752113.35	3000000	1111117.72
Laboratary Equipment	2400000	2865277	900000	816387.9	4000000	3516587.04	2000000	1575089.96
Libraray Book	200000	172151	50000	36793.0	50000	39940	500000	785460
Machines & Tools Equipment	3000000	3346480	300000	265826.9	650000	587382.58	1600000	1336940
Educational Equipment	100000		100000					
Electrical Equipment	220000		280000	267562.8	50000			
Tools-General/ Sound Syatem	250000		100000					
Vehical	100000							
Gymkhana/ Sports Equipment	50000	21000	80000	56497.2	50000		100000	70605
LCD Projector	50000		50000					
Equipments -Other			50000		50000			
Office Equipment	350000	389759.9	650000	595442.92		559432.11	50000	17820
TOTAL - A (Non Recurring)	10,030,000	9,647,601	13,580,000	11,545,159	11,150,000	9,996,875	12,300,000	9,400,107
Percentage	96.19		85.02		89.66		76.42	
Recurring Expenses								
Teaching & Non Teaching Salary	30,827,510	34,945,172	37,391,334	39209171	44,353,815	50,034,467	54296880	58584473

PRINCIPAL
Marathwada Mitra Mandal's
POLYTECHNIC
Thergaon, Pune - 411 033.

EOA- Extension of Approval Expenses	100000				400,000	401,500	450,000	483,500
Affiliation Fees	75000	215000	1000000	1078000	300000	240000	300000	225000
Affiliation Fees ACKVK					25000	22000	25000	
Processing Fees DTE							300000	240000
Processing Fees MSBTE	80000	90000			90000	60000	160000	160000
Fees Fixation Committee Fees	50000		150000		200000	189200.04	50000	32533.4
Conference & Seminar Expenses	40000	32316	600000	544732.12	450000	225903.44	200000	145589.17
Annual Day /Gathering Expenses	200000	162055	250000	222449	200000	112083	250000	181701.94
Fees Concessions	600000	685477	1000000	857360	1000000	1031898	1000000	672145.5
Functional Expenses	40000	24731	100000		30000			
Insurance of VG TAP Body Repair Course	20000	14603	20000		20000			
News Paper Expenses	20000	6135			20000		25000	16802
Magzine Journal & Periodicals	25000				40000	35093	10000	3000
Prize Expenses	140000	113460						
Sports Expenses	40000	32730	150000	111707	200000	232247.01	300000	239739.89
Student Related Expenses	200000	179420	200000					
Induction Programme for Student							75000	54358.38
I Card Expenses	15000	4999	20000		20000			
Laboratory Material & Other Consumable	300000	367189	700000	608144.88	700000	809591.91	1000000	504640.66
Exam Expenses	15000	8246	100000	72842.54	80000	49527.4	75000	65995.95
Earn & Learn Stipend to Student			20000	15800	20000		20000	7300
Student Activity Expenses			160000	141987.38	200000	402488.93	700000	543885.06
Student Social Welfare Expenses							300000	242940.56
Student Competion Expenses			400000	240775	300000	162232.72	200000	138065.5
NBA Visit Expenses			70000	55630				
NBA Acreditation, etc Processing Fee							125000	94400
Alumni Meet Expenses					125000	96792		
Training & Placement Activity Expenses			250000		300000	243480.49	300000	303484.02
Industrial Visit			10000	7040.46	20,000			443395.64
Remuneration MSBTE Manual Designing Project								259500
Remuneration to Amphenol Interconnect India Pvt Ltd								10000
Remuneration to Staff (IME)								96900
Remuneration for Staff (Skoda Workshop)								51200
Advertisement	150000	127721	500000	403749.98	1500000	1149253.98	1200000	1054377.6
Internet Expenses	285000	159011	200000	173165	300000	234048.96	300000	341020
Postage, Stamps, Courier	5000	8268	15000	11452	15000	13313	20000	18143
Telephone Expenses	60000	53543	10000	7586.68	10000	10230.6	10000	9285.96

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Marathwada Mitra Mandal's
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Thergaon, Pune - 411 033.

Website Expenses	15000	5645	50000	49511	50000	21949.82	50000	24125
House keeping Expenses	3500000	3108288	3800000	3521527.36	3500000	3259717.92	3500000	5460267.22
Security Expenses	2800000	2581678	2300000	1973477.79	2200000	2099990.54	2400000	3198509.08
House Keeping Material	20000		15000	9978	10000	6648		
Electricity Charges	900000	810473	1300000	1149993	1200000	1364520	1400000	1402790
Gardening / Landscape Expenses	240000	222216	250000	190630	260000	254395	275000	238389.04
Academic Meeting Expenses			100000	96140.28	300000	34614.57	350000	121362.27
Tea & Refreshments	300000	289907	400000					
Travelling & Conveyance	100000	89837	125000	181695.08	200000	111787	150000	146329
Printing & Stationery Expenses	900000	878428	900000	592204.45	550000	415449.06	400000	571013.06
Other Stationery				124142.45	210000	210457.25		
Internal Audit Fees	23600	23600	23600	23600	23600	23600	23600	23600
Professional Fees	50000	20355	70000	56522	60000	105278	100000	86561
Electrical Expenses			250000					104236.44
Labour Charges	10000	15150	15000		15000		15000	4400
Lab Manual								560
Membership Fees / Subscription	15000	12000	200000	226868	250000		250000	305620
Office Expenses	80000	96084	75000	71120.24	75000	39676.41	20000	15279.23
Transport Expenses	70000	58982					50000	44340
Building Insurance	60000	60592	60592	22792	30000	30243	70000	65551
Property Tax	2300000	2248927	2300000	2119955	2300000	2115755	2300000	2090624
Water Charges	60000	45811	50000	79235	80000	78510	100000	108680
Servicing Expenses								25783
Bank Charges	15000	10563	15000	18891.58	15000	10769.48	15000	21911.83
Annual Maintenance Contract	300000	356591	700000	596592.44	500000	605127.96	600000	580179.64
Repairs & Maintenance -Computer	150000	121764	50000	38409.63	40000	27080.14	8000	7679.52
Repairs & Maintenance -Electrical	210000	175845	200000	226514.68	200000	145698.59	150000	104494.46
Repairs & Maintenance -Building	800000	1162307	500000	489898.86	300000	380966.02	15000	10950
Repairs & Maintenance-Equipments	150000	101385	325000	310066.62	300000	148074.74	200000	342421.19
Repairs & Maintenance-Laboratory	50000		100000		100000	79400.26	500000	1389636.92
Repairs & Maintenance-Expenses Ground			400000	348132				21300
Repairs & Maintenance-Expenses Furniture			500000					287636.4
Audit Fees	7500	7080	8000	8260	8500	8260	8500	8260
	46,413,610	40,733,585	58,398,526	56,287,753	63,695,815	67,333,320	74641980	82035866.5
	107.15		96.39		105.71		109.91	
Recuring + Non Recuring Total	56,443,610	50,381,186	72,978,526	67,832,911	74,845,815	77,330,196	86,941,980	91,435,973
	105.20		94.24		103.32		105.17	

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Table 1 - CFYm1 2024-25

Total Income 71280559				Actual expenditure(till…): 77330195			Total No. Of Students 1152
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
29502127	41457950	0	320482	67333320	9996875	0	67126.91

Table 2 - CFYm2 2023-24

Total Income 52834177				Actual expenditure(till…): 67832912			Total No. Of Students 871
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
26682570	25950528	0	201079	56287753	11545159	0	77879.35

Table 3 - CFYm3 2022-23

Total Income 55296921				Actual expenditure(till…): 59381185			Total No. Of Students 896
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
27906577	26253039	0	1137305	49733584	9647601	0	66273.64

9.2.1 Adequacy of Budget Allocation (4)

	Institute Marks
	4.00

Marathwada Mitra Mandal's Polytechnic

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Prin.Bhausaheb G.Jadhav, President | Dr. Madhavrao V. Suryawanshi, Exe.President | Shri.Kishor H.Mungale, Secretary

Institute Budget Allocation & Utilization

Table of Recurring and Non-Recurring Expenses

Particulars	FY2022-23		FY2023-24		FY2024-25		FY2025-26	
	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual
Non Recurring Expenses (A)	10030000	9647601	13580000	11545159	11150000	9996875	12300000	9400107
Percentage	96.19		85.02		89.66		76.42	
Recurring Expenses (B)	46413610	49733585	58398526	56287753	63695915	67333320	74641980	82035867
Percentage	107.15		96.39		105.71		109.91	
Total Expenses (A + B)	56443610	59381186	71978526	67832911	74845915	77330196	86941980	91435973
Percentage	105.20		94.24		103.32		105.17	

M. M. POLYTECHNIC PUNE 411 033 THERGAON

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Thergaon, Pune - 411 033

9.2.2 Utilization of allocated funds (4)

	Institute Marks
	4.00

Branch	Nature of Fund	AICTE Sanction Fund		Institute Share		Total Utilized Funds (AICTE + Institute)	
		Non- Recurring	Recurring	Non- Recurring	Recurring	Non- Recurring	Recurring
Automobile	Modernisation and Removal of Obsolescence Polytechnic (MODROBS - POL)	12,85,625/-	2,26,875/-	5,45,971/-	72,515/-	18,31,596/-	2,99,390/-
Mechanical	Modernisation and Removal of Obsolescence Polytechnic (MODROBS - POL)	8,39,375/-	1,48,125/-	3,41,805/-	1,28,489/-	11,81,180/-	2,76,614/-
Computer	Grant for organizing conference (GOC)	2,13,300/-				1,06,650/-	

All India Council for Technical Education
(A Statutory body under Ministry of Education, Govt. of India)
Nelson Mandela Marg, VasantKunj, New Delhi-110070 Website: www.aicte-india.org

MODROB POLYTECHNIC - Sanction Letter

F.No.9-70/IDC/MOD- POL/Policy-1/2021-22   Date: 20.01.2022

To
The Drawing and Disbursing Officer,
All India Council for Technical
Education, Nelson Mandela Marg,
Vasant Kunj, New Delhi - 110070

Sub: Release of a sum of **Rs.1210000/- (Rupees Twelve Lakhs Ten Thousand Only)** being the 1st installment **Grant-in-Aid** under the scheme **(MODROB- POL)** for the year **2021-2022** payable during the current financial year **2021-2022-** reg.

Sir/ Madam,
With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of **Rs.1512500/- (Rupees Fifteen Lakhs Twelve Thousand Five Hundred Only)** as sanctioned Grant-in-Aid under the **Modernization and Removal of Obsolescence Polytechnic (MODROB-POL)** scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	**Director/ Principal/ Registrar, MARATHWADA MITRA MANDAL'S POLYTECHNIC, THERGAON, PUNE,** S.NO. 4/17, SECTOR NO. 34, PCNTDA, OFF KALEWADI ROAD, THERGAON, PUNE, Maharashtra		
2.	Title of Project:	**Recent development in Vehicle Maintenance and Testing.**		
3.	Name of Coordinator:	**PARMESHWAR SURYAWANSHI**		
4.	Duration of the project:	**2 years**		
5.	Total Project Cost:	**Rs.1742500/-**		
6.	Contribution from AICTE, Industry & Institute:	**AICTE**	**Industry**	**Institute**
		Rs.1512500/-	**Rs.35000/-**	**Rs.195000/-**
7.	Total Sanctioned Grant-in-aid from AICTE:	**Non-Recurring(85%):**	**Recurring (15%):**	**TOTAL**
		Rs.1285625/-	**Rs.226875/-**	**Rs.1512500/-**
8.	Amount to be released during the year 2021-22:	**Non-Recurring (85%):**	**Recurring (15%):**	**TOTAL**
		Rs.1028500/-	**Rs.181500/-**	**Rs.1210000/-**
9.	Sanctioned grant-in-aid is debatable to:	**Major Head 601.18(a) Gen. (Plan Head)**		

The contributions from industry and institute (as mentioned in the row 6 of the Table above) must reflect in the Receipt Expenditure Statement in respect of this project, failing which AICTE may not consider proposals under the Scheme future.

1. The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technica Education on the Grant-in-Aid bill and shall be disbursed to and credited to the account of Director/ Principal/ Registrar of the Institute through RTGS/ PFMS.
2. This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

The instructions/guidelines to be followed by University/Institution

I. **Release of funds**

a. The Principal/ Director of the institute and the Coordinator of the project are hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them along with the Proposal, in which the grant is being released:

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAATM9698N	BANK OF INDIA	Pinpri	PIMPRI PF, PB No. 1101 PUNE MAHARASHTRA 411018	MARATHWADA MITRA MANDALS POLYTECHNIC	Saving Account	050710210000022	BKID0000507

In case of any omission, the same should be reported to AICTE immediately.

b. The sanction is issued in exercise of the powers delegated to the council and other terms & conditions laid down in the guidelines of the scheme.

c. 80% grant of the sanctioned amount is being released to institution as first installment followed by 20% as reimbursement after Utilization Certificate (UC) and other requisite documents as specified in terms & conditions of MODROB scheme.

II. **Maintenance of accounts**

a. The institute shall strictly follow the provisions laid down in the scheme document and this sanction letter. All correspondences related to the project must contain this number along with year of sanction of the project; failing which correspondence will not be entertained.

b. Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant from AICTE.

c. The University/ College/ Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure (list enclosed).

d. The Council or its nominee shall have the right to check/ verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.

e. The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal/ Director/ Registrar shall intimate about the receipt of the grant to AICTE. Any expenditure incurred prior to the issuance of the sanction letter will not be allowed to be adjusted in the grant and if the Institution/ University does not take the project work within one month of the receipt of the grant, the approval shall ipso fact lapse.

f. After receipt of the grant from AICTE, the Institute shall send a confirmation to AICTE within 2 months of receipt of grant that the sanctioned project has been started/is in progress.

III. **Refund of grant by way of a demand draft in favour of Member Secretary, AICTE, New Delhi**

a. If the college/ institute does not have the Letter of Approval (LOA) or Extension of Approval issued by AICTE for the academic year 2021-22, the fund released should be immediately refunded to AICTE with interest accrued thereon.

b. If project is not started within six months of the issuance of this Sanction Letter, the released amount along with interest accrued thereon, has to be necessarily returned to AICTE.

c. It may be ensured that the project is completed within the stipulated time. If the project is not completed in time, no further extension will be granted in any case and institute has to refund the entire amount to AICTE.

d. As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

IV. Submission of documents by college/institution after completion of Project/Subsequent years.

The following mandatory relevant documents are required to be submitted by the college/institution within one month of the completion of the project: -

a. Feedback form in the prescribed proforma.

b. The **Annual Progress Report (APR)** in the prescribed format along with the original Statement of actual Expenditure in the prescribed proforma duly signed by the Head of the institution and shall be submitted to AICTE not later than one month after completion.

c. The **Utilization Certificate (UC)** supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the AICTE immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council. Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format and GFR-19 shall be submitted to the Council.

d. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.

e. **Program Evaluation Committee (PEC)** is required to be constituted at Institutional level. The constitution of the PEC shall be as under:

(i) Principal/Director/Registrar of the Institution(Chairperson)
(ii) Two HODs and one subject expert(Members).
(iii) Coordinator of the project (Secretary),

The minutes of the meetings are to be submitted to the Council at end of the project along with other mandatory documents.

f. Project completion report project indicating the activities undertaking, number of students benefited, laboratory works photographs of students, together with their views is to be submitted.

g. Attested photocopies of supporting vouchers/bills of expenditure incurred for the completion of Project.

h. Photographs of equipment purchased.

i. The balance amount of the grant will be reimbursed to the university/institution only on submission of the above documents. On receipt of these documents, the total amount of balance of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be released, as second installment, in favour of the beneficiary institution.

V. General instructions

a. The amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect the same in the audited statement of accounts/ utilization certificate and may either refund the interest amount to AICTE or AICTE shall adjust the same in the next installment of grant before its released.

b. Any unavoidable circumstantial change in the project with respect to name of Project Coordinator for the MODROB project would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council.

c. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the Grant-in-Aid and a register of assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.

d. The College/ Institute receiving grant under MODROB is expected to put up a plaque at the main entrance of the Lab/ Department, which has been modernized using the grant. All the equipment procured through the project should be superscribed with AICTE project file number.

e. The assets acquired wholly or substantially out of grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the AICTE and should at any time the institution cease to function, such assets shall revert to the AICTE.

f. When the institute ceases to function, it shall take action with respect to equipment/ items procured through AICTE grants as follows:

i. It shall be ensured that the project has been completed and all mandatory documents have been submitted for utilization of grant and file has been closed under which the equipment has been procured.
ii. The equipment/ items in unserviceable condition are to be disposed off by the institute as per the Government of India rules and the sale proceeds if any, should be sent by Demand Draft in favor of Member Secretary, AICTE, New Delhi.
iii. The equipment/ items in working/ serviceable condition shall be transferred in preferential order to:
- Institute under the same society/ trust/ management.
- Nearby AICTE approved Government (Degree/ Diploma) institute/ College.
iv. The transportation charges for shifting of equipment/ items be borne by borrowing institute.
v. AICTE shall be intimated regarding handover/ takeover of the equipment/ items.

g. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@https://doe.gov.in/order-circular/general-financial-rules2017) should be followed during utilization of grant.

h. The department/ institute is expected to utilize these equipment alongwith others in offering student internship also by registering on the AICTE Internship Portal (@https://internship.aicte-india.org). The internships can be offered to students of other institutions also.

i. As mentioned in the scheme document, the institute must register in I-STEM (Indian Science, Technology & Engineering Facilities Map) (@https://www.istem.gov.in).

List of Equipment approved:

Name of Equipment
Working Model of electric Vehicle
Computerized Research engine setup 1Cylinder
4 Stroke
Multi-fuel with eddy current dynamometer.
Scan Tool : On Board Diagnostic Tools (OBD-II)

Yours sincerely,

Dr. Neeraj Saxena
Advisor - I (IDC)

Copy forwarded for information and necessary action to:
1. **Name and Address of the Coordinator,**
PARMESHWAR SURYAWANSHI,

ANNEXURE

FORMAT
for
UTILIZATION CERTIFICATE

Sanction Letter No. 9-70/IDC/MOD-POL/Policy-1/2021-2022 Date: 30.11.2023

A.NON-RECURRING

Sl. No.	Name of the Equipment Procured	Amount Sanctioned	Amount Utilized (Item wise)	Unspent Balance
1	Computerized Research Engine Setup	12,85,625/-	9,65,004/-	
2	Working model of electric vehicle		7,54,492/-	
3	Off Board Diagnosis Tool (scanner)		1,12,100/-	
		Total		
			18,31,596/-	

Note : The institute share in the above said amount is Rs 5,45,971/- and AICTE sanctioned amount Rs 12,85,625/-

B. Recurring

Sl. No.	Name of the Equipment Procured	Amount Sanctioned	Amount Utilized (Item wise)	Unspent Balance
1	Electricity /	2,26,875/-	1,20,809 /-	0
2	Salary		1,78,581 /-	0
	Total	2,26,875 /-	2,99,390/-	0

Note : The institute share in the above said amount is Rs 72,515/- and AICTE sanctioned amount Rs 2,26,875/-

Certified that the grant has been utilized for the purpose for which it was sanctioned in accordance with the "Terms and Conditions" attached to the grant. If, as a result of check or audit objection some irregularity is noticed at a later stage, action will be taken to refund, adjust or regularize the amount objected to.

Finance Officer
(Signature and Seal with date)

Registrar /Principal/ Director
(Signature and Seal with date)

M.M. POLYTECHNIC * THERGAON * PUNE 411033

Name of the Institution : Marathwada Mitra Mandal Polytechnic
Address of Institute : Thergaon Pune 411033

Note: The Utilization Certificate (UC) will be signed by the Registrar/ Finance Officer in the case of Universities, Principals in the case of Colleges and Executive Heads of other Institutions. The Provisional UC may be countersigned by the internal auditors wherever the system of the internal audit exists. In case of the Self Financing/ Private Institutions, UC has to be signed by a Chartered Accountant.
*This is to be submitted for every financial year.

KRISHNA RAWAS & ASSOCIATES * Pune-9 * Firm Reg No. 105361W
For KRISHNA RAWAS & ASSOCIATES
CHARTERED ACCOUNTANTS
CA..DR. K.M. RAWAS
Memb. No. 035675
M Com. F C A..Ph.D.

ANNEXURE

FORMAT
for
AUDITED UTILISATION CERTIFICATE

Certified that out of Rs.**15, 12,500/-** of Grant- in – aid sanctioned during the year **2021-2022** Letter No. **9-70/IDC/MOD-POL/POLICY-1/2021-2022** and Rs. 12,10,000/- received and out of this **Rs.15,12,500/-** has been utilized for the purpose of **Modernization and Removal of Obsolescence (MODROBS), Automobile engineering Dept. Of Marathwada Mitra Mandal's Polytechnic, Pune** for which it was sanctioned and the balance of Rs. 3,02,500/- amount receivable from AICTE at the end of the year.

Certified that the grant has been utilized as per laid down terms and conditions for which it was sanctioned.

Finance Officer
(Signature and Seal with date)

Registrar/Principal/Director
(Signature and Seal with date)

For KRISHNA RAWAS & ASSOCIATES
CHARTERED ACCOUNTANTS
KRISHNA RAWAS & ASSOCIATES * Pune-9 * Firm Reg No. 105361W
CA..DR. K.M. RAWAS
Memb. No. 035675
M Com. F C A..Ph.D.

Chartered Accountant
(Signature and Seal with date)

All India Council for Technical Education
(A Statutory body under Ministry of Education, Govt. of India)
Nelson Mandela Marg, VasantKunj, New Delhi-110070 Website: www.aicte-india.org

MODROB POLYTECHNIC - Sanction Letter

F.No.9-69/IDC/MOD- POL/Policy-1/2021-22 Date: 20.01.2022

To
The Drawing and Disbursing Officer,
All India Council for Technical
Education, Nelson Mandela Marg,
Vasant Kunj, New Delhi - 110070

Sub: Release of a sum of **Rs.790000/- (Rupees Seven Lakhs Ninety Thousand Only)** being the 1st installment **Grant-in-Aid** under the scheme **(MODROB- POL)** for the year **2021-2022** payable during the current financial year **2021-2022-** reg.

Sir/ Madam,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of **Rs.987500/- (Rupees Nine Lakhs Eighty Seven Thousand Five Hundred Only)** as sanctioned Grant-in-Aid under the **Modernization and Removal of Obsolescence Polytechnic (MODROB-POL)** scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	**Director/ Principal/ Registrar, MARATHWADA MITRA MANDAL'S POLYTECHNIC, THERGAON, PUNE,** S.NO. 4/17, SECTOR NO. 34, PCNTDA, OFF KALEWADI ROAD, THERGAON, PUNE, Maharashtra		
2.	Title of Project:	**Center of Excellence in Advanced Manufacturing and Testing**		
3.	Name of Coordinator:	**PRASAD JADHAV**		
4.	Duration of the project:	**2 years**		
5.	Total Project Cost:	**Rs.1501500/-**		
6.	Contribution from AICTE, Industry & Institute:	**AICTE**	**Industry**	**Institute**
		Rs.987500/-	**Rs.115000/-**	**Rs.399000/-**
7.	Total Sanctioned Grant-in-aid from AICTE:	**Non-Recurring(85%):**	**Recurring (15%):**	**TOTAL**
		Rs.839375/-	**Rs.148125/-**	**Rs.987500/-**
8.	Amount to be released during the year 2021-22:	**Non-Recurring (85%):**	**Recurring (15%):**	**TOTAL**
		Rs.671500/-	**Rs.118500/-**	**Rs.790000/-**
9.	Sanctioned grant-in-aid is debatable to:	**Major Head 601.18(a) Gen. (Plan Head)**		

The contributions from industry and institute (as mentioned in the row 6 of the Table above) must reflect in the Receipt & Expenditure Statement in respect of this project, failing which AICTE may not consider proposals under the Scheme in future.

1. The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the account of Director/ Principal/ Registrar of the Institute through RTGS/ PFMS.

2. This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

The instructions/guidelines to be followed by University/Institution

I. Release of funds

a. The Principal/ Director of the institute and the Coordinator of the project are hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them along with the Proposal, in which the grant is being released:

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAATM9698N	BANK OF INDIA	Pinpri	PIMPRI PF. PB No. 1101 PUNE MAHARASHTRA 411018	MARATHWADA MITRA MANDALS POLYTECHNIC	Saving Account	050710210000022	BKID0000507

In case of any omission, the same should be reported to AICTE immediately.

b. The sanction is issued in exercise of the powers delegated to the council and other terms & conditions laid down in the guidelines of the scheme.

c. 80% grant of the sanctioned amount is being released to institution as first installment followed by 20% as reimbursement after Utilization Certificate (UC) and other requisite documents as specified in terms & conditions of MODROB scheme.

II. Maintenance of accounts

a. The institute shall strictly follow the provisions laid down in the scheme document and this sanction letter. All correspondences related to the project must contain this number along with year of sanction of the project; failing which correspondence will not be entertained.

b. Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant from AICTE.

c. The University/ College/ Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure (list enclosed).

d. The Council or its nominee shall have the right to check/ verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.

e. The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal/ Director/ Registrar shall intimate about the receipt of the grant to AICTE. Any expenditure incurred prior to the issuance of the sanction letter will not be allowed to be adjusted in the grant and if the Institution/ University does not take the project work within one month of the receipt of the grant, the approval shall ipso fact lapse.

f. After receipt of the grant from AICTE, the Institute shall send a confirmation to AICTE within 2 months of receipt of grant that the sanctioned project has been started/is in progress.

III. Refund of grant by way of a demand draft in favour of Member Secretary, AICTE, New Delhi

a. If the college/ institute does not have the Letter of Approval (LOA) or Extension of Approval issued by AICTE for the academic year 2021-22, the fund released should be immediately refunded to AICTE with interest accrued thereon.

b. If project is not started within six months of the issuance of this Sanction Letter, the released amount along with interest accrued thereon, has to be necessarily returned to AICTE.

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c. It may be ensured that the project is completed within the stipulated time. If the project is not completed in time, no further extension will be granted in any case and institute has to refund the entire amount to AICTE.

d. As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

IV. Submission of documents by college/institution after completion of Project/Subsequent years.

The following mandatory relevant documents are required to be submitted by the college/institution within one month of the completion of the project: -

a. Feedback form in the prescribed proforma.

b. The **Annual Progress Report (APR)** in the prescribed format along with the original Statement of actual Expenditure in the prescribed proforma duly signed by the Head of the institution and shall be submitted to AICTE not later than one month after completion.

c. The **Utilization Certificate (UC)** supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the AICTE immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council. Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format and GFR-19 shall be submitted to the Council.

d. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.

e. **Program Evaluation Committee (PEC)** is required to be constituted at Institutional level. The constitution of the PEC shall be as under:

(i) Principal/Director/Registrar of the Institution(Chairperson)
(ii) Two HODs and one subject expert(Members).
(iii) Coordinator of the project (Secretary),

The minutes of the meetings are to be submitted to the Council at end of the project along with other mandatory documents.

f. Project completion report project indicating the activities undertaking, number of students benefited, laboratory works photographs of students, together with their views is to be submitted.

g. Attested photocopies of supporting vouchers/bills of expenditure incurred for the completion of Project.

h. Photographs of equipment purchased.

i. The balance amount of the grant will be reimbursed to the university/institution only on submission of the above documents. On receipt of these documents, the total amount of balance of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be released, as second installment, in favour of the beneficiary institution.

V. General instructions

a. The amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect the same in the audited statement of accounts/ utilization certificate and may either refund the interest amount to AICTE or AICTE shall adjust the same in the next installment of grant before its released.

b. Any unavoidable circumstantial change in the project with respect to name of Project Coordinator for the MODROB project would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council.

F.No.9-69/IDC/MOD- POL/Policy-1/2021-22

c. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the Grant-in-Aid and a register of assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.

d. The College/ Institute receiving grant under MODROB is expected to put up a plaque at the main entrance of the Lab/ Department, which has been modernized using the grant. All the equipment procured through the project should be superscribed with AICTE project file number.

e. The assets acquired wholly or substantially out of grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the AICTE and should at any time the institution cease to function, such assets shall revert to the AICTE.

f. When the institute ceases to function, it shall take action with respect to equipment/ items procured through AICTE grants as follows:

i. It shall be ensured that the project has been completed and all mandatory documents have been submitted for utilization of grant and file has been closed under which the equipment has been procured.
ii. The equipment/ items in unserviceable condition are to be disposed off by the institute as per the Government of India rules and the sale proceeds if any, should be sent by Demand Draft in favor of Member Secretary, AICTE, New Delhi.
iii. The equipment/ items in working/ serviceable condition shall be transferred in preferential order to:
- Institute under the same society/ trust/ management.
- Nearby AICTE approved Government (Degree/ Diploma) institute/ College.
iv. The transportation charges for shifting of equipment/ items be borne by borrowing institute.
v. AICTE shall be intimated regarding handover/ takeover of the equipment/ items.

g. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@https://doe.gov.in/order-circular/general-financial-rules2017) should be followed during utilization of grant.

h. The department/ institute is expected to utilize these equipment alongwith others in offering student internship also by registering on the AICTE Internship Portal (@https://internship.aicte-india.org). The internships can be offered to students of other institutions also.

i. As mentioned in the scheme document, the institute must register in I-STEM (Indian Science, Technology & Engineering Facilities Map) (@https://www.istem.gov.in).

j.

List of Equipment approved:

Name of Equipment
Surface Roughness Tester
3-D Printer and Scanner for Additive manufacturing

Yours sincerely,

Dr. Neeraj Saxena
Advisor - I (IDC)

Copy forwarded for information and necessary action to:
1. **Name and Address of the Coordinator,**
PRASAD JADHAV,
MARATHWADA MITRA MANDAL'S POLYTECHNIC, THERGAON, PUNE,
S.NO. 4/17, SECTOR NO. 34, PCNTDA, OFF KALEWADI ROAD, THERGAON, PUNE, Maharashtra

F.No.9-69/IDC/MOD- POL/Policy-1/2021-22

ANNEXURE

FORMAT
for
UTILIZATION CERTIFICATE

Sanction Letter No. 9-69/IDC/MOD-POL/Policy-1/2021-2022 Date:30.11.2023

A. NON-RECURRING

Sl. No.	Name of the Equipment Procured	Amount Sanctioned	Amount Utilized (Item wise)	Unspent Balance
1	Surface Roughness Tester	Rs. 8,39,375/-	Rs. 1,21,540/-	
2	3 D Printer and Scanner for Additive Manufacturing		Rs. 10,59,640/-	
		Total	**Rs. 11,81,180/-**	

Note : The institute Share in the above said amount is Rs 3,41,805/- & AICTE Sectioned Non Recurring amount Rs 8,39,375/-

B. Recurring

Sl. No.	Name of the Equipment Procured	Amount Sanctioned	Amount Utilized (Item wise)	Unspent Balance
1	Salary	1,48,125/-	1,55,805/-	0
2	Electricity		1,20,809/-	0
	Total	**1,48,125/-**	**2,76,614/-**	

Note : The institute Share in the above said amount is Rs 1,28,489/- & AICTE Sanctioned Recurring amount Rs 1,48,125/-

Certified that the grant has been utilized for the purpose for which it was sanctioned in accordance with the "Terms and Conditions" attached to the grant. If, as a result of check or audit objection some irregularity is noticed at a later stage, action will be taken to refund, adjust or regularize the amount objected to.

Finance Officer
(Signature and Seal with date)

Registrar /Principal/ Director
(Signature and Seal with date)

Name of the Institution: Marathwada Mitra Mandal Polytechnic
Address of Institution : Thergaon Pune 411033

Note: The Utilization Certificate (UC) will be signed by the Registrar/ Finance Officer in the case of Universities, Principals in the case of Colleges and Executive Heads of other Institutions. The Provisional UC may be countersigned by the internal auditors wherever the system of the internal audit exists. In case of the Self Financing/ Private Institutions, UC has to be signed by a Chartered Accountant.

*This is to be submitted for every financial year.

For KRISHNA RAWAS & ASSOCIATES
CHARTERED ACCOUNTANTS
CA., DR. A.M. RAWAS
Memb. No. 035675
M.Com. F.C.A., Ph.D.

FORMAT
for
AUDITED UTILISATION CERTIFICATE

Certified that out of Rs.**9,87,500/-** of Grant- in – aid sanctioned during the year **2021-2022** Letter No. **9-69/IDC/MOD-POL/POLICY-1/2021-2022 and received Rs. 7,90,000/- (1st Installment) out of this Rs.9,87,500/-** has been utilized for the purpose of **Modernization and Removal of Obsolescence (MODROBS), Mechanical engineering Dept. Of Marathwada Mitra Mandal's Polytechnic, Pune** for which it was sanctioned and the balance of Rs. 1, 97,500/- receivable from **All India council for technical education** at the end of the year.

Certified that the grant has been utilized as per laid down terms and conditions for which it was sanctioned.

Finance Officer
(Signature and Seal with date)

Registrar/Principal/Director
(Signature and Seal with date)

For KRISHNA RAWAS & ASSOCIATES
CHARTERED ACCOUNTANTS
CA., DR. A.M. RAWAS
Memb. No. 035675
M.Com. F.C.A., Ph.D.

Chartered Accountant
(Signature and Seal with date)

Dated- 25th February, 2021 F. No.67- 19/IDC/GOC/POLICY-1/2020-21

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

Grant for Organizing Conference - Sanction Letter

To

The Drawing and Disbursing Officer
All India Council for Technical Education
Nelson Mandela Marg, Vasant Kunj,
New Delhi-110070

Subject: Release of a sum of **Rs. 1,06,650/- (Rupees One lakh six thousand six hundred fifty only)** as Grant-in-Aid to conduct Conference under the scheme **Grant for Organizing Conference (GOC)** for the year 2020-21 payable during the current financial year 2020-21-reg.

Sir,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of Rs. **1,06,650/-)Rupees One lakh six thousand six hundred fifty only)** to conduct Conference under the scheme **Grant for Organizing Conference (GOC)**, as per details given below:

1.	Name and address of the Beneficiary Institute:	**Marathwada Mitra Mandal' s Polytechnic, Thergaon, Pune, S. No.4/17, Sector No.34, PCNTDA, Off Kalewadi Road, Thergaon, Pune-District, Maharashtra-411033**
2.	Permanent ID of Institute:	**1-421166773**
3.	Title of Conference:	ANCICA
4.	Mode of Conference:	Onsite Conferences
5.	Level of Conference:	National Level
6.	Name of Coordinator:	Mr. Vikas Solanke
	Name of Co-Coordinator:	Rupali Pohakar
7.	Grant-in-aid Sanctioned:	**Rs. 2,13,300/-(Rupees Two lakh thirteen thousand three hundred only)**
8.	Amount to be released during the year 2020-21 as 1st instalment (50% of grant sanctioned:	**Rs. 1,06,650/-(Rupees One lakh six thousand six hundred fifty only)**
9.	Sanctioned grant-in-aid is debitable to:	**Major Head 601. 17 (a) Gen (GOC) Plan Head**

- The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education, New Delhi on the Grant-in-aid bill and shall be disbursed to and credited to the account of Registrar/ Director/ Principal of the institute through RTGS.
- This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated and also being communicated in this letter.

The instructions/ guidelines to be followed by college/ institution

I. Release of funds

a. The Principal/ Director of the institute and the Coordinator of the Conference are hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them along with the Proposal, against which the grant is being released:

AQIS ID: 1-9255180699

Dated- 25th February, 2021 F. No.67- 19/IDC/GOC/POLICY-1/2020-21

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAATM9698N	BANK OF INDIA	Pinpri	PIMPRI PF, PB No. 1101 PUNE MAHARASHTRA 411018	MARATHWADA MITRA MANDALS POLYTECHNIC	Saving Account	050710210000022	BKID0000507

In case of any omission the same should be reported to AICTE immediately.

b. First instalment i.e. 50% of the grant sanctioned is being released as advance to the institute.
c. 2nd instalment will be released on receipt of requisite documents after successful conduct of conference.
d. This sanction is issued in exercise of the powers delegated to the Council and other terms and condition laid down in the guidelines of the scheme.

II. Limit of Funding

a. The grant from AICTE will be **one-third (limited to Rs. 2,13,300/-)** of the total expenditure incurred for organizing the Conference and rest amount i.e. two-third of total expenditure will be managed by institute itself.

III. Utilization of funds

a. Funds once released/sanctioned for organizing the particular Conference cannot be utilized for any other programme/ conference.
b. 10% of the funds sanctioned by AICTE should be utilized for registration fee of participants belonging to SC/ST category.
c. At least 15% and 25% participation from other states is must for onsite conference and online conference respectively.
d. Papers from host institution should not be more than 10% of the total papers.
e. Coordinator will maintain an electronic record of papers, participants, their institution & its location, to ensure that norm of Pan-India participation, overseas participants in International Conferences and papers from local faculty, are adhered to and also shared with AICTE.

IV. Maintenance of accounts

a. The institute shall strictly follow the provisions laid down in the scheme document and this sanction letter. All correspondence related to the conference must contain the number of this letter alongwith year of sanction of the conference failing which correspondence will not be entertained.
b. The institute shall maintain proper accounts of the expenditure out of the grant and the Council or its nominee shall have the right to check/ verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.
c. Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant.

V. Refund of grant to AICTE (by way of a demand draft in favour of Member Secretary, AICTE, New Delhi)

a. In case the event is cancelled, the fund released should be immediately refunded to AICTE with interest accrued thereon.
b. The grant shall be refunded to AICTE if the Letter of Approval (LOA) or Extension of Approval is not issued by AICTE to the institute for the academic year 2020-21.

Dated- 25th February, 2021 F. No.67- 19/IDC/GOC/POLICY-1/2020-21

c. The proposed/approved Conference shall be conducted within 12 months from the date of receipt of grant. If conference is not conducted within stipulated time period, the released amount, alongwith interest accrued thereon, has to be necessarily returned to AICTE within one month, failing which penalty @ 18% will be levied.
d. Interest accrued on the grant released, shall be refunded to AICTE.
e. No payment is permissible against the conference **already conducted**. Institutions are liable to refund the grant if received after the conduct of conference and have no plan of conducting the conference ahead.
f. As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

VI. Documents to be uploaded on AICTE Dashboard/ Portal

On receipt of grant:

The Acceptance Letter with dates of Conference, within 7 days from the date of receipt of the Sanction Letter duly signed and seal affixed by Coordinator and Head of the Institutions along with permission/clearance of Govt. of India for Organizing Conference.

After conduct of the Conference:

Institute has to fill up Report on AICTE dashboard/ portal and upload following documents:

a. Copy of proceedings of conference
b. Feedback of the participants.
c. Geotagged photographs (maximum 15) of the conference.

VII. Submission of documents by institute after conduct of conference

The following documents must be submitted to AICTE within a period of one month, from the date of conduct of Conference:

a. Utilization Certificate and Statement of Accounts in prescribed format duly audited by the Chartered Accountant in the case of a private institution and by the Finance Officer/Account Officer in respect of government/government- aided institution.
b. Supporting bills/documents on account of expenses incurred for the purpose duly attested by the Head of the Institute.
c. Soft copy of final report submitted on portal as mentioned above (in section VI).

VIII. General instructions

a. Any change in the programme for holding Conference, change of Coordinator name, Venue and Date should be effected only after prior approval of the Council, failing which the sanction for the grant already issued would be treated as automatically withdrawn.
b. The assets acquired wholly or substantially of the All India Council for Technical Education's grants shall not be disposed or encumbered or utilized for the purposes other than those for which it was given without proper sanction of the Council and should, at any time the Institution ceased to function, such assets shall revert to the All India Council for Technical Education.
c. The beneficiary institute will make best efforts to promote the scheme by mentioning the sponsorship/ support from AICTE, carrying the Logo of AICTE in conference and other means.
d. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@https://doe.gov.in/order-circular/general-financial-rules2017-0) should be followed during utilization of grant.

AQIS ID: 1-9255180699

Dated- 25th February, 2021 F. No.67- 19/IDC/GOC/POLICY-1/2020-21

e. In respect of international conference, additional guidelines at **Annexure-I** have to be followed.
f. In respect of Online/ e-Conference, additional guidelines at **Annexure-II** have to be followed.
g. This Sanction Letter may be treated as Offer Letter for all purposes.

Yours sincerely,

Dr. Neeraj Saxena
Advisor (IDC)

Copy forwarded for information and necessary action to:

1. **Name and Address of the Coordinator**
   Mr. Vikas Solanke
   Marathwada Mitra Mandal' s Polytechnic,
   Thergaon, Pune, S. No.4/17, Sector No.34,
   PCNTDA, Off Kalewadi Road, Thergaon,
   Pune-District, Maharashtra-411033

2. **The Registrar / Director / Principal**
   Marathwada Mitra Mandal' s Polytechnic,
   Thergaon, Pune, S. No.4/17, Sector No.34,
   PCNTDA, Off Kalewadi Road, Thergaon,
   Pune-District, Maharashtra-411033

3. **Guard File**

Utilization Certificate
for the financial year: 2023-24

Name of Institute with PID: **Marathwada Mitra Mandal's Polytechnic (1-421166773)**
Name of the Scheme under which Grant was sanctioned: **Grant for Organizing Conference**

AICTE Sanction Order No. & Date under which Grant was sanctioned	Amount Sanctioned (Rs.)	CERTIFICATE
F.No.67-19/IDC/GOC/POLICY-1/2020-21 Dated 25th Feb,2021	Rs. 2,13,300/- Rs.00 (for Non-recurring) Rs. 00 (for recurring)	Certified that out of the grant-in-aid of Rs. **2,13,300/-** (Two Lacks thirteen thousand three hundred) sanctioned by the AICTE during the Financial Year 2020-21 as per letter mentioned in the margin, Rs. **1,06,650/-** on account of unspent balance of previous year + Rs. **8,708/-** on account of interest, a sum of **Rs.46,649/-** has been utilized for the purpose for which it was sanctioned, and the balance of Rs. **68,709/-** remained unutilized at the end of the year 2023-24

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised:

1. Audited Annual Accounts of the Institute
2. Receipt & Payment Account of the Institute
3. Periodical Progress Report of the Institute

For KRISHNA RAWAS & ASSOCIATES
CHARTERED ACCOUNTANTS

Signature of Chartered Accountant
Name of CA : CA., DR. K.M. RAWAS
Membership No. Memb. No. 035675
Full Address : M.Com. F.C.A., Ph.D.
[with seal] Udin No - 24035675BKBGKG3407
(mandatory for self-financing institutes)
Flat No. 9 phule corner, Pune-satara Road above Hotel Panchami Pune-411009

[Signature of Head of the Institute]
Name : Joshi G.S.
Designation : Principal
Full Address : M.M. Polytechnic
[with seal]

PRINCIPAL
Marathwada Mitra Mandal's
POLYTECHNIC
Thergaon, Pune - 411 033.

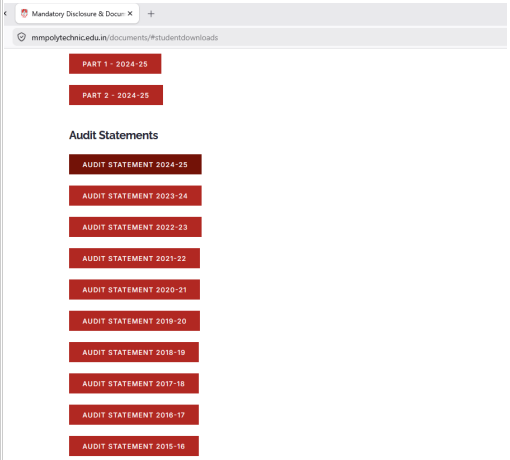
[Signature of the Finance Officer]
Name : P.P. Marathe
Designation : Finance & Accounts Officer
Full Address :
[with seal]
(Govt./Govt.Aided/University & whatever applicable)

Place : PUNE
Date : 10-02-2024

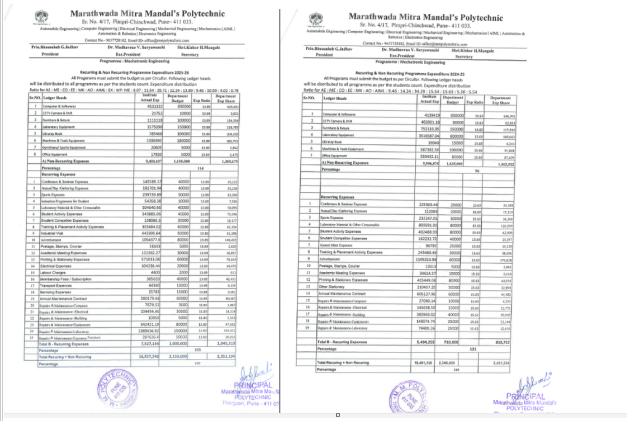
9.2.3 Availability of the audited statements on the institute's website (2) | Institute Marks

2.00

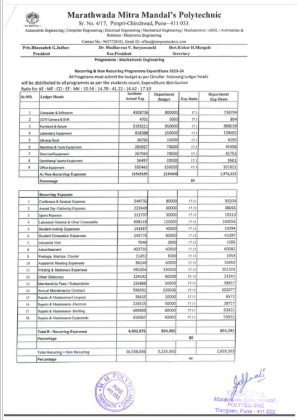
https://mmpolytechnic.edu.in/documents/#studentdownloads



9.3 Department Specific Budget Allocation, Utilization (5) | Total Marks 5.00


Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune- 411 033.

Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune- 411 033.


Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune- 411 033.


Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune- 411 033.

Table 1 :: CFY 2025-26

Total Budget 2150000		Actual expenditure (till…): 2351194	
Non Recurring	Recurring	Non Recurring	Recurring
1150000	1000000	1305675	1045519

Table 2 :: CFYm1 2024-25

Total Budget 2345000		Actual expenditure (till…): 2421264	
Non Recurring	Recurring	Non Recurring	Recurring
1635000	710000	1562512	858752

Table 3 :: CFYm2 2023-24

Total Budget 3224000		Actual expenditure (till…): 2828503	
Non Recurring	Recurring	Non Recurring	Recurring

2230000	994000	1974222	854281

Table 4 :: CFYm3 2022-23

Total Budget 1918000		Actual expenditure (till…): 1949820	
Non Recurring	Recurring	Non Recurring	Recurring
1230000	688000	1356453	593367

9.3.1 Adequacy of Budget Allocation (2) — Institute Marks: 2.00

Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune– 411 033.
Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics | AIML | Automation & Robotics | Electronics Engineering
Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

Prin.Bhausaheb G.Jadhav, President | Dr. Madhavrao V. Suryawanshi, Exe.President | Shri.Kishor H.Mungale, Secretary

Mechatronic Budget Allocation & Utilization

Table of Recurring and Non-Recurring Expenses

Particulars	FY2022-23		FY2023-24		FY2024-25		FY2025-26	
	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual
Non Recurring Expenses (A)	1230000	1356453	2230000	1974222	1635000	1562512	1150000	1,305,675
Percentage	110		89		96		114	
Recurring Expenses (B)	688000	593367	994000	854281	710000	858752	1000000	1045519
Percentage	86		86		121		105	
Total Expenses (A + B)	1918000	1949820	3224000	2828503	2345000	2421264	2150000	2351194
Percentage	102		88		103		109	

PRINCIPAL Marathwada Mitra Mandal's POLYTECHNIC Thergaon, Pune - 411

9.3.2 Utilization of allocated funds (3) — Institute Marks: 3.00

Marathwada Mitra Mandal's Polytechnic
Sr. No. 4/17, Pimpri-Chinchwad, Pune– 411 033.
Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics | AIML | Automation & Robotics | Electronics Engineering
Contact No.- 9657728182, Email ID- office@mmpolytechnic.com
Prin.Bhausaheb G.Jadhav, President | Dr. Madhavrao V. Suryawanshi, Exe.President | Shri.Kishor H.Mungale, Secretary
Mechatronic Budget Allocation & Utilization
Table of Recurring and Non-Recurring Expenses

Particulars	FY2022-23		FY2023-24		FY2024-25		FY2025-26	
	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual
Non Recurring Expenses (A)	1230000	1356453	2230000	1974222	1635000	1562512	1150000	1,305,675
Percentage	110		89		96		114	
Recurring Expenses (B)	688000	593367	994000	854281	710000	858752	1000000	1045519
Percentage	86		86		121		105	
Total Expenses (A + B)	1918000	1949820	3224000	2828503	2345000	2421264	2150000	2351194
Percentage	102		88		103		109	

PRINCIPAL Marathwada Mitra Mandal's POLYTECHNIC Thergaon, Pune - 411

Purchase Procedure

1. **Submission of Requirement**
   - The process starts with the submission of a purchase requirement from the concerned department.
2. **Preparation of Specifications**
   - If the estimated purchase expense exceeds ₹5000, detailed specifications are prepared as per the departmental requirement.
3. **Invitation of Quotations**
   - A minimum of three quotations are invited from different vendors based on the prepared specifications.
4. **Preparation of Comparative Statement**
   - After receiving the quotations, a comparative statement is prepared.
   - The comparative includes:
     - Cost comparison
     - Specifications
     - Quality
     - Warranty/terms and conditions
     - Delivery period
5. **Review and Negotiation**
   - The Purchase Officer reviews all quotations.
   - Necessary discussions and negotiations are carried out with vendors to obtain the best possible price and suitable terms.
6. **Purchase Committee Approval**
   - The Purchase Committee examines:
     - Departmental requirement
     - Comparative statement
     - Vendor details
     - Negotiated rates
   - The committee finalizes the vendor as per the purchase policy and institutional norms.
7. **Issue of Purchase Order**
   - After final approval, a Purchase Order (PO) is issued to the selected vendor.
8. **Completion of Purchase Process**
   - The vendor supplies the required material/equipment as per the Purchase Order and approved specifications.

9.4 Library and Internet (20) — Total Marks 20.00

(It is assumed that zero deficiency report was received by the institution, Effective availability and utilization to be demonstrated)

9.4.1 Quality of learning resources (hard/soft) (10) — Institute Marks: 10.00

Quality of learning resources

The Library and Information Center houses a collection of over 12,850 books and is fully computerized through ERP/iSLIM software. The following facilities are available to students and staff:

- Reading Room Facility: Issue of text and reference books for on-site study.
- Home Issue Facility: Up to three books per student for First, Second, and Third Year students.
- Free Book Bank: Available to First Year and Second Year students.
- Subscription to National Journals: Covering relevant technological domains and general science areas.
- Multimedia PCs: Maintained for database access and other digital resources.
- E-Book Facility: Accessible to both students and staff.
- Daily Newspapers: Available in Marathi and English.
- CD Collection: Includes select books.
- Project Reports: Copies of final-year students' project reports from previous batches.

- Central Reading Room: Seating capacity for over 80 students, with a separate area designated for staff research and reference.

Total number of Books:

Year	Total No. of Books	Title	Book Bank Sets Issued during the year
2022-23	12350	2146	314
2023-24	12357	2153	284
2024-25	12360	2156	312
2025-26	12850	2376	537

Total number of Journals :

Year	Journals
2022-23	21
2023-24	24
2024-25	27
2025-26	30

Accessibility to students

1. Reading room facility:

The **Library infrastructure** has been specially designed to foster and enhance the reading interest of students.

- **Reading Room Facility**:
  - Seating capacity for **80 students**.
  - Equipped with well-maintained tables and chairs to ensure a comfortable study environment.
- **Computer Access**:
  - Computers are available for student use.
  - Standard software packages are installed, including **internet access** and **word processing tools**.
- **Entry Register System**:
  - Students are required to record their names in the **Library Entry Register** before using the reading room facility.
  - This practice ensures systematic monitoring of student usage.
- **Discipline and Supervision**:
  - The **Librarian observes student behavior** in the reading room.
  - Efforts are made to maintain **discipline and silence**, thereby creating a conducive academic environment.

2. Working hours of Library

The **Library remains open for extended working hours** to facilitate student access to resources.

- Operating hours: **9:30 a.m. to 5:30 p.m.** on all working days.
- Students are permitted to **issue and return books throughout the day**, ensuring uninterrupted access to academic materials.

This schedule supports continuous learning and maximizes the utilization of library facilities.

3. Library Orientation

The **Library conducts Orientation Programs** for all students at the beginning of each academic year. In addition, various **awareness programs** are organized to familiarize students with library resources, facilities, and usage guidelines.

4. Issue/Return procedure

The **Issue and Return of library materials** is carried out as a routine operation. A **systematic sequence of activities** is followed to ensure accuracy and efficiency in issuing and receiving books. This process promotes accountability and smooth functioning of library services.

5. Access to the journals:

- A **dedicated periodicals section** is maintained within the library.
- **Current issues** are displayed on racks for easy access.
- To facilitate better usage, **back volumes of the current year** are archived in a storage area located behind the display racks.
- Journals are issued to **faculty and students** upon making proper entries in the **Journal Issue Register**, ensuring systematic tracking and record maintenance.

6. Stack Room /Display Area Management

Effective **collection organization** ensures optimum utilization of books and journals. Presently, resources are arranged as follows:

- **General Stack Area**: Books and bound volumes of journals.
- **Reference Section**: Encyclopedias, dictionaries, and other reference books.
- **Reserve Shelf Collection**: Books in high demand, theses, and dissertations.
- **Newspaper Display Area**: Daily newspapers for student and faculty reference.
- **Journal Display Racks**: Current issues displayed; back issues stored in drawers behind racks for easy access.

Librarian Responsibilities:

- Ensuring all books removed from stacks are replaced daily.
- Conducting continuous **shelf reading** to identify misplaced books.
- Properly labeling stacks with **subject guides** for systematic access.

7. Book Bank Scheme

The college operates a **Book Bank Scheme** to support students:

- Books covering the syllabus for all subjects are issued for the **entire semester**.
- Students must fill a **Book Bank Scheme Form** at the time of issue.
- At the end of the semester, students return books along with a **Book Return Form**, indicating the condition of the issued books.
- The entire process is managed by the **Library staff**.

8. Question Bank

A **Question Bank** is maintained in the form of files containing:

- **MSBTE examination question papers** of previous years.
- **Sessional question papers** for all subjects.

These files are accessible to both **students and faculty** for academic reference and exam preparation.

9. MSBTE syllabus

The **MSBTE syllabus and course structure** are maintained in a dedicated **Syllabus File** within the library. This file is regularly updated with newly introduced syllabi and revised course structures to ensure accuracy and relevance.

10. Reference Service

The library houses all essential **reference sources** including encyclopedias, handbooks, and manuals. A dedicated **Reference Section** is maintained, and students or faculty may also seek assistance directly from library staff for guidance in locating or using reference materials.

11. Newspapers and Journals:

The library subscribes to an adequate number of **Marathi and English newspapers**, enabling students to stay informed about current events across social, cultural, and scientific domains. In addition, the library subscribes to **national and international journals** to support academic and research activities.

12. Paper cutting and clippings

Newspapers serve as a vital source of updated information. Relevant **cuttings of articles, editorials, letters, statements, and news items** are systematically organized and stored in files. This practice ensures logical categorization and easy retrieval of information.

13. New Arrivals

All newly added books are placed on **display for a fixed period** to bring them to the notice of students and faculty. This practice ensures awareness of updated resources.

14. Library rules

Detailed **Library Rules** are prepared for students and prominently displayed at the entrance. These rules are strictly followed to maintain discipline, silence, and order within the library premises.

15. Digital library/E-resources

The library has developed a **Digital Library facility** to enhance access to academic resources.

- Content includes **e-books, e-journals, project reports, sessional/semester/annual question papers, and syllabi**.
- All digital content is accessible to students and faculty via the **institutional intranet**.

16. Notices/circulars/reminders to the staff and students

Library-related **notices and circulars** are prepared by the librarian through the library in-charge and approved by the Principal. These are maintained in a separate file for record-keeping and reference.

17. Total list of books/ Subject wisc list of books

A **comprehensive list of books** is maintained and updated regularly as new titles and volumes are added. The list is organized **department-wise and subject-wise** for systematic access.

18. List of National Journals

The library maintains a **list of subscribed journals**, including details of their national/international status, impact factor, and indexing information. The list also extends to **periodicals, magazines, bulletins, and newspapers**.

20. List of CDs Available

A catalog of **CD-ROMs** available in the library is maintained and updated periodically. CDs are issued to students upon request, and proper records of issue/return are maintained.

21. Subject-wise / Department-wise Display of Books

The library maintains a **display of books organized by subject and department**. This display is continuously updated to reflect new additions, ensuring transparency and easy access for students and faculty.

22. Library usage register

The **Library Usage Register** is maintained at the entrance of the library. All students are required to record their entries in this register upon arrival. The register serves as an official record, providing systematic information about the **student flow into the library**. Based on these entries, a report is generated, which reflects the usage trends and supports monitoring of library resources.

23. Library information display:

The **Library maintains a Notice Board** that displays all current updates related to library resources. The information includes:

- **Department-wise book details**
- **Subject-wise book availability**
- **List of subscribed periodicals**

This ensures transparency and easy access to academic resource information for students and faculty.

Number of computers available in library for student access	09 computers with internet facility
Number of Printers	01
Library Automation Software	ERP / iSLIM
No. of Titles	2376
No. of Volumes	12850
Total No. of Journals Subscription	30
Total No. of News Papers	English-02 , Marathi-05
Total No. of Student Project Reports	367 (Last 3 year 160)
Total No. of e-books downloaded	1000
Total No. of CD`s available	661
No. of users (Issue book)per day	50-70
No. of users (Reading space) per day	65-90

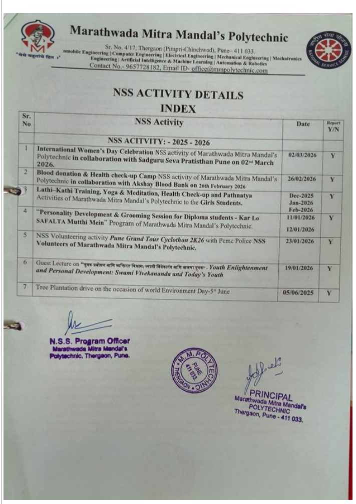
9.4.2 Internet (10)	Institute Marks
	10.00

Name of the Internet provider	Gazon / Limerick
Available band width	300/350 Mbps
WiFi availability	Yes
Internet access in labs, classrooms, library and offices of all Departments	Yes
Security arrangements	Firewall Protection and Seqrite Endpoint Security

9.5 Institutional Contribution to the Community Development (5)	**Total Marks 5.00**
	Institute Marks
	5.00

In **2025–26**, *Marathwada Mitramandal* contributed **₹31 lakh** to the *Chief Minister's Relief Fund* to aid flood victims. This amount was raised through one day's salary voluntarily donated by all teaching and non-teaching staff of M.M. Polytechnic and other units of the institution, with the organization matching the contribution. This initiative reflects the institution's sense of responsibility and solidarity towards society.

पुणे : मराठवाडा मित्रमंडळ शैक्षणिक संस्थेच्या वतीने मुख्यमंत्री सहाय्यता निधीस देणगीचा धनादेश मुख्यमंत्री देवेंद्र फडणवीस यांच्याकडे सुपूर्त करण्यात आला.



Marathwada Mitra Mandal's Polytechnic

Sr. No. 4/17, Thergaon (Pimpri-Chinchwad), Pune– 411 033.
omobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics Engineering | Artificial Intelligence & Machine Learning | Automation & Robotics
Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

NSS ACTIVITY DETAILS
INDEX

Sr. No	NSS Activity	Date	Report Y/N
	NSS ACITVITY: - 2025 - 2026		
1	**International Women's Day Celebration** NSS activity of Marathwada Mitra Mandal's Polytechnic **in collaboration with Sadguru Seva Pratisthan Pune on 02nd March 2026.**	02/03/2026	Y
2	**Blood donation & Health check-up Camp** NSS activity of Marathwada Mitra Mandal's Polytechnic **in collaboration with Akshay Blood Bank on 26th February 2026**	26/02/2026	Y
3	**Lathi–Kathi Training, Yoga & Meditation, Health Check-up and Pathnatya** Activities of Marathwada Mitra Mandal's Polytechnic to the **Girls Students.**	Dec-2025 Jan-2026 Feb-2026	Y
4	**"Personality Development & Grooming Session for Diploma students - Kar Lo SAFALTA Mutthi Mein"** Program of Marathwada Mitra Mandal's Polytechnic.	11/01/2026 12/01/2026	Y
5	NSS Volunteering activity ***Pune Grand Tour Cyclothon 2K26*** with Pcmc Police **NSS Volunteers of Marathwada Mitra Mandal's Polytechnic.**	23/01/2026	Y
6	Guest Lecture on "युवक प्रबोधन आणि व्यक्तिमत्व विकास: स्वामी विवेकानंद आणि आजचा युवक". ***Youth Enlightenment and Personal Development: Swami Vivekananda and Today's Youth***	19/01/2026	Y
7	Tree Plantation drive on the occasion of world Environment Day-5th June	05/06/2025	Y

N.S.S. Program Officer
Marathwada Mitra Mandal's
Polytechnic, Thergaon, Pune.

M.M. POLYTECHNIC THERGAON PUNE 411 033.

PRINCIPAL
Marathwada Mitra Mandal's
POLYTECHNIC
Thergaon, Pune - 411 033.

Marathwada Mitra Mandal's Polytechnic

Sr. No. 4/17, Thergaon (Pimpri-Chinchwad), Pune- 411 033.
Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics Engineering | Artificial Intelligence & Machine Learning | Automation & Robotics
Contact No.- 9657728182, Email ID- office@mmpolytechnic.com

NSS ACTIVITY DETAILS

INDEX

Sr. No	NSS Activity	Date	Report Y/N
	NSS ACITVITY: - 2024 - 2025		
1	Health check-up & Blood Donation Camp session with Gholap Blood Bank	20/03/2025	Y
2	Report on International Women's Day Celebration at M.M. Polytechnic	08/03/2025	Y
3	One Day Special Camp on Rally, Cleanliness Drive, Water Campaign, Tree Plantation, and at Shindgaon	22/02/2025	Y
4	Eye Donation Awareness session & Blood donation camp & with Akshay Blood Centre	27/02/2025	Y
5	Pcmc, Purple Jallosh- Divyang Mahotsav worked as a volunteer	17,18,19 Jan 2025	Y
6	Awareness Program on Cyber security, Social Responsibility and Community Safety with Collaboration of Kalewadi Police Station	07/01/2025	Y
	NSS ACITVITY: - 2023 - 2024		
7	NSS Volunteers' activity at Marathwada Mitra Mandal's Polytechnic, Thergaon, in Collaboration with Pcmc Election Officer & Team	14/11/2024	Y
8	NSS Volunteers' activity of Marathwada Mitra Mandal's Polytechnic as Police Mitra in Collaboration with Kalewadi Police Station on 19th &20th November24.	20/11/2024	Y
9	PNG Gillette Razor Guard grooming session for diploma students	14/11/2024	Y
10	Road Safety, Helmet awareness& Traffic rules Adherence	20/03/2024	Y
11	Special camp -Cleanliness drive, Tree Plantation, Save Water campaign at Darumbre	10/03/2024	Y
12	Cleanliness drive, Tree Plantation, at NGO- Gurukulam, Chinchwad	02/03/2024	Y
	NSS ACITVITY: - 2022- 2023		
13	Cleanliness drive, Clean City, Smart city Marathon on 25th Feb. 2024	25/02/2023	Y
14	Cleanliness drive, On the occasion of Gandhi Jayanti 01/10/2023	01/10/2023	Y
15	Tree Plantation Activity at M.M. Polytechnic garden	09/06/2023	Y
16	Tree Plantation & Cleanliness drive activity at M.M. Polytechnic garden	18/04/2023	Y

N.S.S. Program Officer
Marathwada Mitra Mandal's
Polytechnic, Thergaon, Pune.

MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33	
ACADEMIC YEAR: 2024-25	
Doc. No.: WS-Rpt-03	Rev. No.: 01
Page:1 out of 11	Rev. Dt: 04/03/2021
Report on NSS activity of Marathwada Mitra Mandal's Polytechnic in Collaboration with Pcmc smart city, clean city department: **Purple Jallosh 2025(Divyang Mahotsav), a three-day event aimed at empowerment for differently-abled individuals.**	

"येथे बहुतांचे हित"

Date:20/1/2025

Submitted:

Subject: Report on NSS Activity of Marathwada Mitra Mandal's Polytechnic in Collaboration with Pcmc smart city, clean city department: **Purple Jallosh 2025(Divyang Mahotsav), a three-day event aimed at empowerment for differently-abled individuals: -The details of the same are as follows:**

Date: January 17/18/19, 2025 **Location: Auto Cluster, PCMC, Pune**

Organized By: PCMC & Divyang bhavan **Time:** 8:00 am to 9:00 PM

Introduction

Purple Jallosh 2025, Divyang Mahotsav:

Purple Jallosh 2025, a three-day event aimed at providing disabled individuals with the opportunity to explore assistive technologies and engage in recreational activities, was held from January 17th,18th & 19th 2025. Organized by the Pimpri Chinchwad Municipal Corporation (PCMC) officials in collaboration with the Divyang Bhavan Foundation, the event aimed to foster inclusivity and empowerment for people with disabilities. NSS (National Service Scheme) students from Marathwada Mitra Mandal's Polytechnic, Thergaon, Pune, volunteered their services to help ensure a seamless experience for all participants.

Event Objectives:

1. To showcase assistive technologies for disabled individuals and provide them with hands-on experience.
2. To offer recreational and engaging activities for people with disabilities, creating an inclusive environment.
3. To encourage interaction between the disabled participants, volunteers, and public figures, fostering a sense of community and empowerment.
4. To raise awareness about the potential of assistive technologies in improving the quality of life for disabled individuals.

M.M. POLYTECHNIC PUNE 411 033. THERGAON

PRINCIPAL
Marathwada Mitra Mandal's
POLYTECHNIC
Thergaon, Pune - 411 033

MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33	
ACADEMIC YEAR: 2024-25	
Doc. No.: WS-Rpt-03	Rev. No.: 01
Page:2 out of 11	Rev. Dt: 04/03/2021
Report on NSS activity of Marathwada Mitra Mandal's Polytechnic in Collaboration with Pcmc smart city, clean city department: **Purple Jallosh 2025(Divyang Mahotsav), a three-day event aimed at empowerment for differently-abled individuals.**	

"येथे बहुतांचे हित"

Organizing Partners:

- **PCMC Officials**: Responsible for the logistical arrangements, venue management, and coordination of the event.
- **Divyang Bhavan Foundation**: Partnered in the organization of the event to ensure that the needs of disabled participants were addressed and that assistive technology solutions were effectively showcased.
- **NSS Students of Marathwada Mitra Mandal's Polytechnic**: Volunteers who played a critical role in helping the disabled attendees navigate the event and ensuring smooth operations.

NSS Student Participation: Under the guidance of NSS coordinator **Mr. J.D. Randive**, the NSS students were actively involved in the event, assisting with various roles and duties throughout the three days. Their contributions included:

- **Parking Duty**: Ensuring proper parking arrangements for attendees, particularly for those with mobility challenges.
- **Food Court Assistance**: Helping disabled individuals access the food court and ensuring that they had an enjoyable experience.
- **Discipline and Crowd Management**: Ensuring that the event ran smoothly by managing the crowd, maintaining discipline, and providing assistance as needed.
- **Attendance Tracking**: Managing volunteer attendance to ensure that all shifts were properly staffed.
- **Assisting Disabled Participants**: Providing physical assistance to the disabled attendees to navigate the event, whether it was helping them explore exhibits or guiding them to various activity areas.
- **Stage Backup**: Supporting event organizers during live programs, ensuring that the stage was prepared and ready for various performances.
- **Exhibition Assistance**: Accompanying disabled individuals to the assistive technology exhibitions, guiding them through the displays, and ensuring they could interact with the technology on display.
- **VIP Reception**: Assisting with the smooth entry of VIPs at the event, ensuring their comfort and ensuring proper protocol was followed.

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MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33	
ACADEMIC YEAR: 2024-25	
Doc. No.: WS-Rpt-03	Rev. No.: 01
Page:3 out of 11	Rev. Dt: 04/03/2021
Report on NSS activity of Marathwada Mitra Mandal's Polytechnic in Collaboration with Pcmc smart city, clean city department: **Purple Jallosh 2025(Divyang Mahotsav), a three-day event aimed at empowerment for differently-abled individuals.**	

"येथे बहुतांचे हित"

Key Highlights of the Event:

- **Exhibition of Assistive Technology**: The event featured a dedicated exhibition showcasing various assistive devices and technologies aimed at improving the lives of disabled individuals. Volunteers ensured that all attendees had the opportunity to engage with these technologies, ask questions, and experience them first-hand.
- **Recreational and Cultural Activities**: In addition to the technology exhibition, the event also included fun activities, cultural performances, and interactive sessions, providing entertainment and joy to the disabled participants.
- **VIP Participation**: On the final day, the event saw the participation of prominent dignitaries, including:
- **Governor of Maharashtra**: His Excellency **Governor of Maharashtra** addressed the audience, emphasizing the importance of creating inclusive spaces for disabled individuals and supporting assistive technology innovations.
- **MLA Shrirang Barne**: MLA **Shrirang Barne** also attended the event, expressing his support for initiatives that empower disabled individuals.
- **Padmashri Murlikant Petkar**: The presence of **Padmashri Murlikant Petkar**, a celebrated athlete and advocate for the disabled, added an inspirational element to the event.
- **PCMC Commissioner Shekhar Singh**: The PCMC Commissioner **Shekhar Singh** also participated in the event, praising the collaborative efforts of the organizing bodies and volunteers.
- **Cultural Performances, art Exhibitions, Stalls.**

Special Acknowledgments: The event was made possible thanks to the permission and support of:

- **Principal Mrs. G.S. Joshi** mam gives permission and encouragement allowed the NSS students to volunteer, making their participation in the event possible.
- The support and guidance provided by **Mr. S P Ghogare**, Head of the Department of General Science and Humanities, was integral in ensuring the students' involvement in the event.

Conclusion: Purple Jallosh 2025 was a highly successful and impactful event, highlighting the importance of accessibility and inclusivity for disabled individuals. The efforts of the NSS students from Marathwada Mitra Mandal's Polytechnic were invaluable in ensuring that the event was a

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"येथे बहुतांचे हित"	MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33	
	ACADEMIC YEAR: 2024-25	
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	ACADEMIC YEAR: 2024-25	
	Doc. No.: WS-Rpt-03	Rev. No.: 01
	Page:4 out of 11	Rev. Dt: 04/03/2021
	Report on NSS activity of Marathwada Mitra Mandal's Polytechnic in Collaboration with Pcmc smart city, clean city department: **Purple Jallosh 2025(Divyang Mahotsav), a three-day event aimed at empowerment for differently-abled individuals.**	

smooth and enjoyable experience for all attendees. The active involvement of the volunteers, combined with the support from PCMC officials, Divyang Bhavan Foundation, and the presence of dignitaries, created a sense of unity and empowerment for the disabled community.

The event also provided an excellent opportunity for volunteers to learn more about assistive technologies and the challenges faced by disabled individuals. The success of Purple Jallosh 2025 is a testament to the power of community involvement in creating inclusive and accessible spaces for all.

Acknowledgments:

- **PCMC Officials** for their tireless efforts in coordinating the event.
- **Divyang Bhavan Foundation** for their dedication to the disabled community and for making assistive technology a focal point of the event.
- **Marathwada Mitra Mandal's College of Polytechnic** for providing such dedicated NSS volunteers under the leadership of **Mr. JD Randive**.
- **Principal Mrs. G.S. Joshi** mam and **Mr. S.P. Ghogare HOD** for their constant support and guidance.

M.M. POLYTECHNIC PUNE 411 033. THERGAON

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"येथे बहुतांचे हित"	MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33	
	ACADEMIC YEAR: 2024-25	
	Doc. No.: WS-Rpt-03	Rev. No.: 01
	Page:8 out of 11	Rev. Dt: 04/03/2021
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M.M. POLYTECHNIC PUNE 411 033. THERGAON

"येथे बहुतांचे हित"	MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33	
	ACADEMIC YEAR: 2025-26	
	Doc. No.: WS-Rpt-03	Rev. No.: 01
	Page:1 out of 15	Rev. Dt: 04/03/2021
	Report on NSS Volunteering activity ***Pune Grand Tour Cyclothon 2K26*** with Pcmc Police **NSS Volunteers of Marathwada Mitra Mandal's Polytechnic**	

Date: 24/01/2026

Submitted:

Subject: Report on NSS Volunteering activity ***Pune Grand Tour Cyclothon 2K26*** with Pcmc Police **NSS Volunteers of Marathwada Mitra Mandal's Polytechnic. The details of the same are as follows:**

Date: January 23, 2026 **Time:** 09:30 a.m.- 04.30 p.m.

Organized By: Pune Grand Tour Cyclothon 2K26 **Number of Students: 227**

Location: Empire Estate Bridge to Kalewadi, Laxman Nagar (16 no), and Aundh Road

Introduction

The NSS Unit of M. M. Polytechnic actively participated in the Pune Grand Tour Cyclothon 2K26 with the objective of promoting social responsibility, discipline, and community service among students. The event was conducted in coordination with the Kalewadi, Sangvi, and Wakad Police Station teams.

Total of 227 NSS volunteers from M. M. Polytechnic enthusiastically took part in the volunteering activity. The volunteers were deployed at various points along the designated route to assist in traffic management, guide participants, and support police personnel for the smooth conduct of the Cyclothon.

The volunteering activity was successfully carried out with the cooperation of the Kalewadi, Sangvi, and Wakad Police Stations. The concerned police stations also made proper lunch arrangements for all volunteers, ensuring their welfare and comfort during the event.

M. M. POLYTECHNIC PUNE 411033. THERGAON

“येथे बहुतांचे हित”	MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33
	ACADEMIC YEAR: 2025-26
	Doc. No.: WS-Rpt-03 / Rev. No.: 01
	Page:2 out of 15 / Rev. Dt: 04/03/2021
	Report on NSS Volunteering activity ***Pune Grand Tour Cyclothon 2K26*** with Pcmc Police **NSS Volunteers of Marathwada Mitra Mandal's Polytechnic**

Guidance and Supervision

The NSS volunteers were continuously guided and supported by Mr. J. D. Randive, NSS Coordinator, and Mr. Shelke P. V. (Helping Staff) throughout the program. Additionally, Mr. Bhor T. G. and Mr. Chavan (Supervisor) were present at the event and provided valuable assistance, supervision, and timely guidance to the students.

Outcome of the Activity

The disciplined behavior, dedication, and teamwork displayed by the NSS volunteers significantly contributed to the successful execution of the Pune Grand Tour Cyclothon 2K26. The activity helped inculcate values of social service, responsibility, leadership, and cooperation among the students.

The NSS Unit of M. M. Polytechnic sincerely extends heartfelt thanks to all 227 NSS volunteers for their active participation, dedication, and excellent cooperation.

We also express our sincere gratitude to the Honorable **Principal Mrs. G.S. Joshi** Madam for granting permission and continuous support for organizing and participating in such a meaningful event.

Special thanks to the Kalewadi, Sangvi, and Wakad Police Station teams for their coordination and support.

Report Prepared by
Mr. J.D. Randive,
NSS Coordinator,
M.M.Polytechnic.
Date: [23/01/2026]

M. M. POLYTECHNIC PUNE 411033. THERGAON

PRINCIPAL
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Polytechnic
Thergaon, Pune-411 033.

“येथे बहुतांचे हित”	MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33
	ACADEMIC YEAR: 2025-26
	Doc. No.: WS-Rpt-03 / Rev. No.: 01
	Page:3 out of 15 / Rev. Dt: 04/03/2021
	Report on NSS Volunteering activity ***Pune Grand Tour Cyclothon 2K26*** with Pcmc Police **NSS Volunteers of Marathwada Mitra Mandal's Polytechnic**

M. M. POLYTECHNIC PUNE 411033.

9.6 Alumni Performance and Connect (10)	**Total Marks 10.00**
	Institute Marks
	10.00

Alumni Performance and Connect

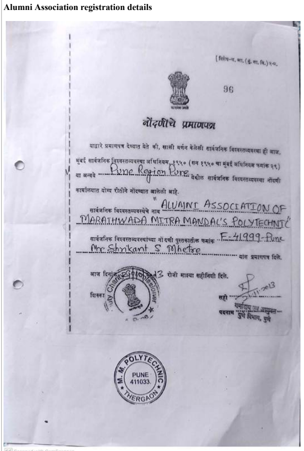
The Alumni association of Marathwada Mitra Mandal's Polytechnic has been established and all the alumni students are the members of it by paying Rs 500/- as lifetime membership fees. It helps to develop the institution and to encourage the students to be successful in their respective field.

1. Every Academic Year, a meeting is held to interact with alumni to share their views for the benefit of the Institution.
2. Improving the infrastructure of the institution after getting the feedback of alumni.
3. Involving alumni in giving lectures to our students in improving their attitude
4. Conducting workshop and training programs with distinguished alumni for Improving the knowledge of students in their respective fields.

Alumni Details:

No. of Alumni Registered Till Date : 1815

Alumni Association registration details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नोंदणीचे प्रमाणपत्र

याद्वारे प्रमाणपत्र देण्यात येते की, खाली वर्णन केलेली सार्वजनिक विश्वस्तव्यवस्था ही आज, मुंबई सार्वजनिक विश्वस्तव्यवस्था अधिनियम, १९५० (सन १९५० चा मुंबई अधिनियम क्रमांक २९) या अन्वये Pune Region Pune येथील सार्वजनिक विश्वस्तव्यवस्था नोंदणी कार्यालयात योग्य रीतीने नोंदण्यात आलेली आहे.

सार्वजनिक विश्वस्तव्यवस्थेचे नाव "ALUMNI ASSOCIATION OF MARATHWADA MITRA MANDAL'S POLYTECHNIC"

सार्वजनिक विश्वस्तव्यवस्थांच्या नोंदणी पुस्तकातील क्रमांक F-41999-Pune

Mr. Shrikant S. Mhetre यांस प्रमाणपत्र दिले.

आज दिनांक [illegible] 13 रोजी माझ्या सहीनिशी दिले.

शिक्का [illegible]

सही
पदनाम धर्मादाय उप आयुक्त पुणे विभाग, पुणे

M. M. POLYTECHNIC PUNE 411033. THERGAON

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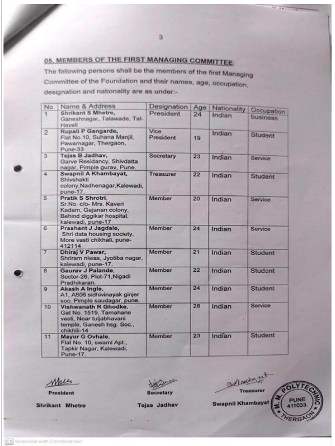
Members of the first alumni association



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05. MEMBERS OF THE FIRST MANAGING COMMITTEE:

The following persons shall be the members of the first Managing Committee of the Foundation and their names, age, occupation, designation and nationality are as under:-

No.	Name & Address	Designation	Age	Nationality	Occupation
1	**Shrikant S Mhetre,** Ganeshnagar, Talawade, Tal-Haveli	President	24	Indian	business
2	**Rupali P Gangarde,** Flat No.10, Suhana Manjil, Pawarnagar, Thergaon, Pune-33	Vice President	19	Indian	Student
3	**Tejas B Jadhav,** Garve Residancy, Shivdatta nagar, Pimple gurav, Pune.	Secretary	23	Indian	Service
4	**Swapnil A Khambayat,** Shivshakti colony,Nadhenagar,Kalewadi, pune-17.	Treasurer	22	Indian	Student
5	**Pratik S Shrotri,** Sr.No. c/o- Mrs. Kaveri Kadam, Gajanan colony, Behind diggikar hospital, kalewadi, pune-17	Member	20	Indian	Service
6	**Prashant J Jagdale,** Shri data housing society, More vasti chikhali, pune-412114	Member	24	Indian	Service
7	**Dhiraj V Pawar,** Shriram niwas, Jyotiba nagar, kalewadi, pune-17.	Member	21	Indian	Student
8	**Gaurav J Palande,** Sector-26, Plot-71,Nigadi Pradhikaran.	Member	22	Indian	Student
9	**Akash A Ingle,** A1, A606 sidhivinayak ginjer soc. Pimple saudagar, pune.	Member	24	Indian	Student
10	**Vishwanath R Ghodke,** Gat No. 1519, Tamahane vasti, Near tuljabhavani temple, Ganesh hsg. Soc., chikhili-14	Member	28	Indian	Service
11	**Mayur G Ovhale,** Flat No. 10, swami Apt., Tapkir Nagar, Kalewadi, Pune-17.	Member	23	Indian	Student

President
Shrikant Mhetre

Secretary
Tejas Jadhav

Treasurer
Swapnil Khambayat

M. M. POLYTECHNIC PUNE 411033. THERGAON

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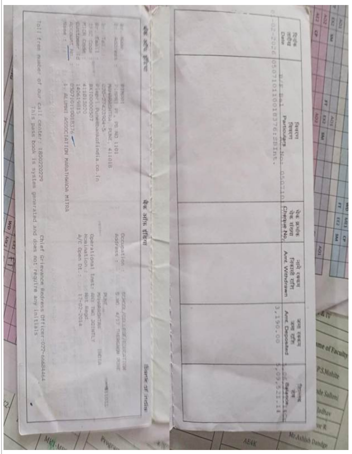
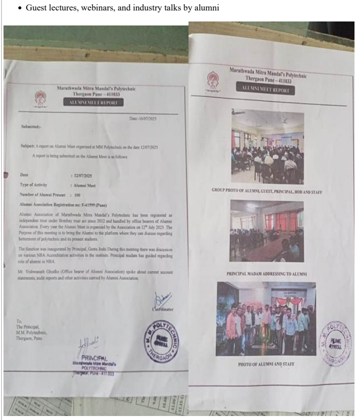
Bank details of Alumni Association



Engagement Activities

- Guest lectures, webinars, and industry talks by alumni



Marathwada Mitra Mandal's Polytechnic
Thergaon Pune – 411033
ALUMNI MEET REPORT

Date:-16/07/2025

Submitted:-

Subject: A report on Alumni Meet organized at MM Polytechnic on the date 12/07/2025

A report is being submitted on the Alumni Meet is as follows:

Date : 12/07/2025
Type of Activity : Alumni Meet
Number of Alumni Present : 100
Alumni Association Registration no: F-41999 (Pune)

Alumni Association of Marathwada Mitra Mandal's Polytechnic has been registered as independent trust under Bombay trust act since 2012 and handled by office bearers of Alumni Association. Every year the Alumni Meet is organized by the Association on 12th July 2025. The Purpose of this meeting is to bring the Alumni to the platform where they can discuss regarding betterment of polytechnic and its present students.

The function was inaugurated by Principal, Geeta Joshi During this meeting there was discussion on various NBA Accreditation activities in the institute. Principal madam has guided regarding role of alumni in NBA.

Mr. Vishwanath Ghodke (Office bearer of Alumni Association) spoke about current account statements, audit reports and other activities carried by Alumni Association.

Coordinator

To,
The Principal,
M.M. Polytechnic,
Thergaon, Pune.

PRINCIPAL
Marathwada Mitra Mandal's POLYTECHNIC
Thergaon, Pune - 411 033

Marathwada Mitra Mandal's Polytechnic
Thergaon Pune – 411033
ALUMNI MEET REPORT

GROUP PHOTO OF ALUMNI, GUEST, PRINCIPAL, HOD AND STAFF

PRINCIPAL MADAM ADDRESSING TO ALUMNI

PHOTO OF ALUMNI AND STAFF

Annexure I

(A) PROGRAM OUTCOME (POs)

1. **Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
2. **Problem analysis:** Identify and analyse well-defined engineering problems using codified standard methods.
3. **Design/ development of solutions :** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.
4. **Engineering Tools, Experimentation and Testing:**Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
5. **Engineering practices for society, sustainability and environment:**Apply appropriate technology in context of society, sustainability, environment and ethical practices.
6. **Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
7. **Life-long learning:**Ability to analyse individual needs and engage in updating in the context of technological changes.

(B) PROGRAM SPECIFIC OUTCOME (PSOs)

PSO1	Equipment and Instruments: Maintain equipment and instruments related to Mechatronics.
PSO2	Mechatronics Processes: Manage Mechatronics processes by selecting and scheduling relevant equipment, substrates, quality control techniques, and operational parameters.

Declaration

The head of the institution needs to make a declaration as per the format given -

- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute willbe initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, postvisit and subsequent to grant of accreditation.

Head of the Institute

Name : Geeta Shantanu Joshi

Designation : Principal

Signature :

Seal of The Institution :

Place : Pune

Date : 23-05-2026 14:39:29