

Automobile Engineering

PART B: Criteria Summary

Criteria 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	85.00
4	STUDENTS' PERFORMANCE	200	110.74
5	FACULTY INFORMATION AND CONTRIBUTIONS	150	135.45
6	FACILITIES AND TECHNICAL SUPPORT	100	96.00
7	CONTINUOUS IMPROVEMENT	75	69.00
8	STUDENT SUPPORT SYSTEMS	50	50.00
9	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	75	75.00
	Total	1000	854

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	Produce productive and adept technicians with social and ethical values for the global requirement within the automotive field through excellent technical education.

Mission No.	Mission Statements
M1	To provide quality education incorporating with changing trends in Automobile.
M2	To enhance students' practical knowledge and employability through Industry-Institute interaction
M3	To inculcate professional skills and social values among the students through curricular, co-curricular and Extra- Curricular activity.

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

Total Marks 5.00

Institute Marks
5.00

PEO No.	Program Educational Objectives Statements
PEO1	To develop the ability among the students to tackle the industrial problems with Technical foundation.
PEO2	To prepare student for a successful career with effective communication skills, teamwork skills and work with values that meet the diversified needs of industry.
PEO3	Student will evoke interest in higher education.
PEO4	Communicate and function effectively with professional ethics, social and environmental awareness.

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

Table 1.1 Vision and Mission and PEOs are published and dissemination

Sr.No.	Publication	Internal Stakeholder	External Stakeholder	Remark
1	Institute website www.mmpolytechnic.com https://mmpolytechnic.edu.in/automobile-engineering/	√	√	Displayed on homepage and departmental page for students, parents, and other stakeholders
2	HOD Cabin	√	√	For visibility to staff and visitors
3	Department Newsletter	√	√	Published periodically and shared with all stakeholders

4	Course file of Faculty, Lab Log Book, Lab Manuals, Project Dairy	√		Reference for faculty and students
5	Faculty Members mail signature	√	√	Incorporated into every email communication sent by faculty to internal and external stakeholders
6	Notice board of department	√	√	Daily visibility for students and staff
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
11	Orientation program for freshers	√	√	Explained during induction/ orientation programs for newly admitted students and their parents

List of Stakeholder:

• **Internal Stakeholder:** Teaching Staff, Non- Teaching Staff, Present Students.

• **External Stakeholder:** Parents, Alumni, Employers, Industry Experts.

L4 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

Process of establishing Vision & Mission

- The department constituted a department advisory committee (DAB) comprising the Head of Department, senior faculty members, industry experts, alumni, and other stakeholders to review the existing Vision and Mission statements.
- The existing Vision and Mission statements were reviewed in light of the institute's vision, recent technological advancements, industry requirements, societal needs, and outcome-based education practices.
- Feedback and suggestions were collected from stakeholders such as students, faculty, alumni, parents, employers, and industry representatives through meetings, interactions, and feedback mechanisms.
- The department analysed the relevance, clarity, and applicability of the existing Vision and Mission statements with respect to the current academic and industry scenario.
- The analysis indicated that the existing Vision and Mission statements continue to be relevant and aligned with the department's objectives, institutional goals, Program Outcomes (POs), and stakeholder expectations.
- As the statements adequately reflected the department's long-term goals and commitment towards quality technical education, no modifications were required during the second accreditation cycle.
- The continuation of the existing Vision and Mission statements was discussed and approved in the program assessment committee (PAC) meeting and endorsed by the Institutional Academic Monitoring Committee and Principal

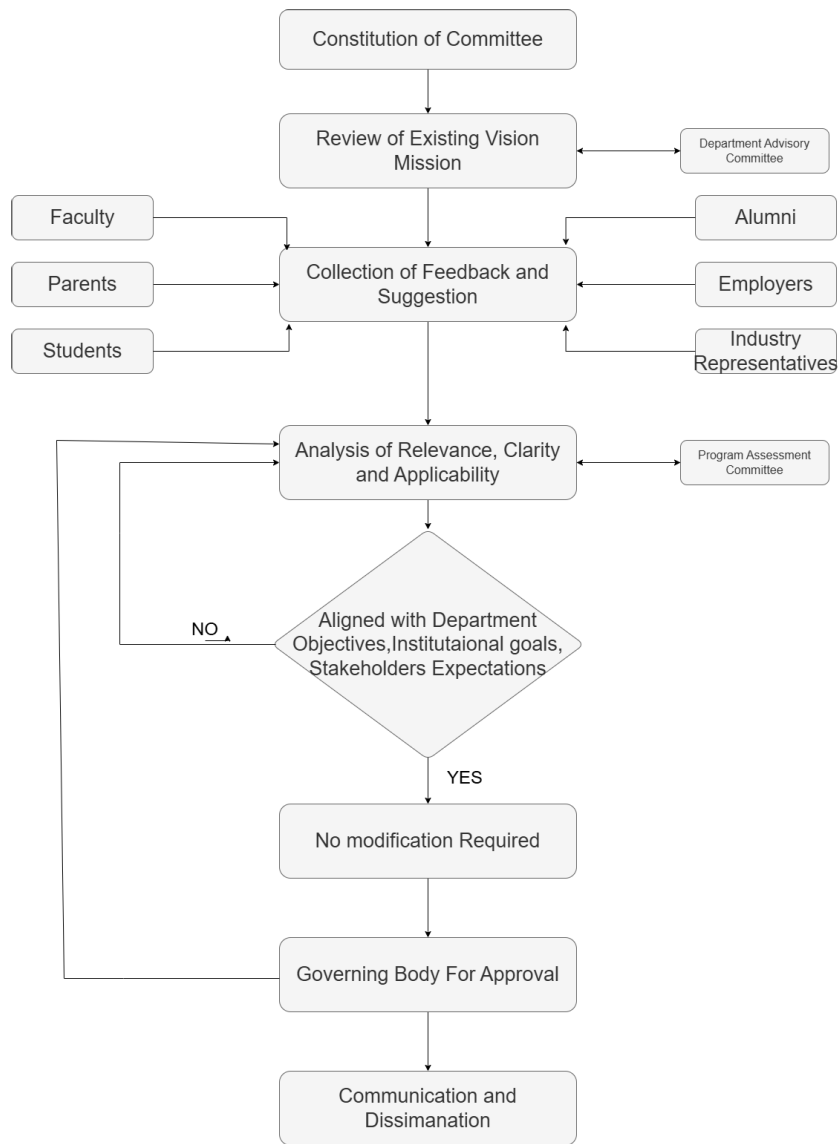


Fig. 1.1 Process of Vision & Mission Establishment

Process for defining the PEOs

- The department constituted a department advisory committee (DAB) committee comprising the Head of Department, senior faculty members, industry experts, alumni, employers, and academic representatives to review the existing Program Educational Objectives (PEOs).
- The existing PEOs were reviewed considering the Vision and Mission of the department and institute, curriculum structure, industry requirements, technological advancements, and societal needs.
- Feedback and suggestions were collected from stakeholders such as students, alumni, employers, parents, industry experts, and faculty members through surveys, meetings, alumni interactions, and employer feedback.
- The department analyzed the relevance and effectiveness of the existing PEOs with respect to graduate employability, higher education opportunities, entrepreneurship, professional ethics, lifelong learning, and industry expectations.
- Mapping of PEOs with Program Outcomes (POs), Program Specific Outcomes (PSOs), and institutional objectives was carried out to ensure alignment with outcome-based education practices.
- The review indicated that the existing PEOs continue to be relevant, measurable, and aligned with stakeholder expectations and emerging technological trends. Therefore, no major changes were required during the second accreditation cycle.
- The finalized PEOs were discussed and approved in the Department Advisory Board (DAB)/Program Assessment Committee meeting and subsequently endorsed by the Head of Institution.

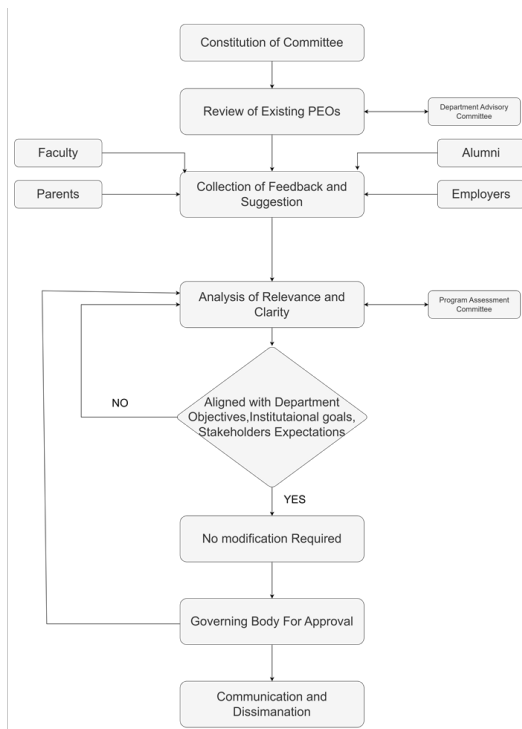


Fig 1.4.1 Process of Establishing PEOs

1.5 Establish Consistency of PEOs with Mission of the Department (15)

Total Marks 13.00

Institute Marks
13.00

Table 1.1. Establish consistency of PEOs with Mission of the Department

	M1	M2	M3
Program Educational Objectives (PEO) Statements	To provide quality education incorporating with changing trends in Automobile.	To enhance students' practical knowledge and employability through industry institute interaction.	To inculcate professional skills and social values among the students through curricular, co-curricular and extra-curricular activity.
PEO1: To develop the ability among the students to tackle the industrial problems with technical foundation.	3	3	2
PEO2: To prepare student for a successful career with values that meet the diversified needs of automobile industry.	3	3	3
PEO3: Student will evoke interest in higher education.	3	2	2
PEO4: Communicate and function effectively with professional ethics, social and environmental awareness.	2	3	3

Table 1.2 Justification of PEOs with Mission of the Department

PEO Statements	Mission			Justification
	M1	M2	M3	
PEO1: To develop the ability among the students to tackle the industrial problems with technical foundation.	3	3	2	<ul style="list-style-type: none"> M1: - Strong bond between Mission and PEO 1 helps in excelling in Technical skills. M2: -Supports to achieve PEO1 as practical knowledge industry exposer develops technical skills. M3: - Moderately support to achieve PEO1, as objective is to achieve professional by adapting to challenges in rapidly changing technology.
PEO2: To prepare student for a successful career with values that meet the diversified needs of	3	3	3	<ul style="list-style-type: none"> M1: Strongly supports PEO2, as professional growth can only be achieved by variety of industry needs by coping up with dynamic automobile industry. M2: -Strongly supports to achieve PEO2, as an

automobile industry.				<p>engineer's prime objective is to solve industrial problems using practical skills.</p> <ul style="list-style-type: none"> M3:-Strong ethical and social values will help in establishing rapport identifying industry and social needs.
PEO3: Student will evoke interest in higher education.	3	2	2	<ul style="list-style-type: none"> M1:-PEO3 strongly supports first mission statement as the exposure to the new trends in automobile engineering will stimulates students to explore it further. M2:- Moderately support to achieve PEO3, as practical knowledge develops a foundation for higher studies. M3:- Moderate supports to achieve PO3 as to pursue higher education one needs to be professional knowledge seeker.
PEO4: Communicate and function effectively with professional ethics, social and environmental awareness.	2	3	3	<ul style="list-style-type: none"> M1:- Moderate support to achieve PO4 as the new trends in automobile sector demands sound professionals. M 2:- Strongly support PO4 as an exposure to industry culture is introduced through various industrial trainings and visits. M 3:- Strongly supports as a successful professional and entrepreneur needs to be well equipped with soft skills and values.

PEO Statements	M1	M2	M3
To develop the ability among the students to tackle the industrial problems with technical foundation.	3	3	2
To prepare student for a successful career with effective communication skills, teamwork skills and work with values that meet the diversified needs of industry.	3	3	3
Student will evoke interest in higher education.	3	2	2
Communicate and function effectively with professional ethics, social and environmental awareness.	2	3	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 ? :

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

22.00

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

Institute Marks

13.00

Marathwada Mitra mandal's Polytechnic is affiliated with the Maharashtra State Board of Technical Education (MSBTE), Mumbai. The curriculum for all programs is designed and prescribed by MSBTE. It is structured into various modules, including Basic Sciences and Humanities, Core Engineering, Production Engineering, and Professional Engineering, ensuring an appropriate balance of breadth and depth in learning. The curriculum is periodically revised every five years by MSBTE, and the institute follows the updated structure accordingly. At present, the K Scheme is being implemented for all academic years. Prior to 2025, the I Scheme pattern was followed for the second and third year. The modules included in the curriculum are as follows:

Table no. 2.1.1. : Modules of curriculum

Modules	Total Credits	Percentage
Basic Science & Humanities	23	13%
Core Engineering	91	53%
Production Engineering	19	11%
Professional Engineering	39	23%
Total		100%

CHART TITLE

■ Basic Science & Humanities ■ Core Engineering
■ Production Engineering ■ Professional Engineering

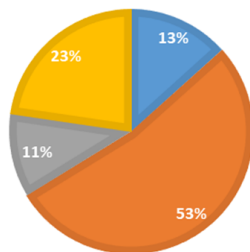


Fig.No. : 2.1.1

1. The course objectives and outcomes are framed at the beginning of every new regulation.

2. The process used to identify extent of compliance of MSBTE curriculum for attaining the POs and PSOs are:

- Identify Course Outcomes for each course and map each Course Outcome with POs and PSOs.
- Categorize entire Curriculum into Core Courses, Science & Humanities, Production Engineering, Professional Engineering
- The distribution of curriculum towards the attainment of POs and PSOs are given in the Table.2.2

Table 2.1.2. : Distribution of Curriculum towards the attainment of POs and PSOs

Sr.No	Course Module	Courses	Curriculum Content (% of total number of credits of the program)	Relevance to PO and PSOs
1	Basic Science & Mathematics	Basic Science	13%	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
		Basic Mathematics		PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
		Applied Science		PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO
		Applied Mathematics		PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO2,PSO3
		Business communication using computers		PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
		Communication Skills		PO1,PO2,PO6,PO7,PSO1,PSO2,PSO3
		Professional Communication		PO1,PO2,PO3,PO5,PO6,PO7,PSO1,PSO2,PSO3
		Yoga and meditations		PO5
		Social and Life skills		PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO3
		2	Core Engineering	Automobile Engines
Automobile Transmission System				PO1,PO2,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Basic Electrical & Electronics Engineering				PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Mechanical Measurement				PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Theory of Machines				PO1,PO2,PO3,PO4,PO6,PO7,PSO1,PSO2,PSO3
Advanced Automobile Engines				PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Automobile Systems and Body Engineering				PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Transport Management and Motor Vehicle Act				PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Two wheeler and Three wheeler technology				PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Automobile body engineering and safety				PO1,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Vehicle System maintenance				PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Automobile Electrical and electronics systems				PO1,PO2,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Emerging Trends in Mechanical Engineering				PO1,PO2,PO3,PO4,PO5,PO7,PSO1,PSO2,PSO3
Autotronics				PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Fundamentals of automobile engines				PO3,PO4,PO6,PO7,PSO2,PSO3
Advanced Engine Technologies				PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Advances in automotive technologies				PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Maintenance of automobile systems				PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Heat Power Engineering				PO3,PO4,PO5,PO6,PO7,PSO2,PSO3
Hydraulics and Pneumatics control				PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Engineering Graphics				PO1,PO2,PO3,PO4,PO6,PO7,PSO2,PSO3
Engineering Drawing				PO1,PO2,PO3,PO4,PO6,PO7,PSO1,PSO2,PSO3
Automobile Engineering Drawing				PO1,PO2,PO3,PO4,PO6,PO7,PSO1,PSO2,PSO3
Engineering Mechanics				PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO3
Strength of Materials				PO1,PO2,PO3,PO4,PO5,PO7,PSO1,PSO3
Automobile Component Design				PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Automobile working drawing and CAD				PO1,PO3,PO4,PO5,PO7,PSO1,PSO2,PSO3
		Workshop Practice		PO1,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3

3	Production Engineering	Mechanical Engineering Workshop	11%	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
		Material and Manufacturing Process		PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
		Automobile Manufacturing Process		PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
		Engineering Workshop Practices		PO1, PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
		Manufacturing Technology		PO1,PO2,PO3,PO4, PO6,PO7,PSO1, PSO3
4	Professional Engineering	Computer Aided Drafting	23%	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
		Solid Modelling and Additive Manufacturing		PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
		Entrepreneurship Development		PO1,PO2,PO3, PO5,PO6,PO7, PSO2,PSO3
		Industrial Training		PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
		Capstone Project and Planning		PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
		Environmental studies		PO1,PO2,PO3, PO5,PO6,PO7,PSO1,PSO2,PSO3
		Capstone Project Execution & Report Writing		PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
		Management		PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO3
		Fundamentals of ICT		PO1,PO2,PO3,PO4,PO5,PO6,PO7, PSO2,PSO3
		Environmental Education and Sustainability		PO2,PO3, PO5, PO7,PSO1,PSO2,PSO3
		Seminar and Project Initiation Course		PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
		Fundamentals of Python Programming		PO1,PO2,PO3,PO4, PO6,PO7, PSO2,PSO3
		Internship		PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
Essence of Indian Constitution	PO1,PO2, PO4,PO5, PO7, PSO3			

B. MSBTE schemes

1. First semester K scheme

Maharashtra State Board Of Technical Education, Mumbai																							
Learning and Assessment Scheme for Post U.S.C. Diploma Courses																							
Programme Name : Diploma In Automobile Engineering / Chemical Engineering / Electrical Engineering / Electrical Power System / Food Technology / Mechanical Engineering / Metallurgy / Production Engineering / Printing Technology / Polymer Technology																							
Programme Code : AE / CH / EL / FY / C / AM / MC / FC / PW / PO																							
Duration of Programme : 6 Semester																							
Semester : First																							
Scheme : K																							
Sr No	Course Title	Abbreviation	Course Type	Course Code	Total ECTS Hrs for Sem	Actual Contact			Learning Scheme			Assessment Scheme					Total Marks						
						CL	TL	LL	Self Learning (Activity/Assignment/Micro Project)	National Learning Hrs/Week	Credits	Paper Duration (hrs)	Theory		Based on LL & TL								
Legend: @ Internal Assessment, * External Assessment, ** On Line Examination, @S Online Online Examination																							
1	BASIC MATHEMATICS (Compulsory)	BMS	AEC	111102	6	4	2	-	2	1	4	3	30	70	100	40	-	-	-	25	10	125	
2	COMMUNICATION SKILLS (ENGLISH)	ENG	AEC	111103	-	3	-	2	1	6	3	3	30	70	100	40	25	10	-	-	25	10	150
3	BASIC SCIENCE	BSC	DSC	111105	4	2	-	2	1	10	5	1.5	30	70**	100	40	25	10	25**	10	25	210	
4	FUNDAMENTALS OF CHEMISTRY	FC	MEC	111101	-	1	-	2	1	4	2	-	-	-	-	-	-	-	-	25	10	25	
5	YOGA AND MEDITATION	YAM	VEC	111103	1	-	-	1	1	2	1	-	-	-	-	-	25	10	-	-	25	10	50
6	ENGINEERING WORKSHOP PRACTICES (Mechanical, Electrical and allied branches)	EWP	SEC	111005	2	-	-	4	-	4	2	-	-	-	-	-	50	20	50**	20	-	100	
7	ENGINEERING GRAPHICS (Civil, Electrical, Mechanical and allied branches)	BGR	DSC	111006	2	2	-	4	-	6	3	-	-	-	-	-	50	20	50**	20	-	100	
Total					15	14	2	13	9	20	10	20	30	210	100	215	175	150	850			850	

2. Second semester K scheme

Maharashtra State Board of Technical Education, Mumbai																							
Learning and Assessment Scheme for Post S.S.C. Diploma Courses																							
Program Name : Diploma in Automobile Engineering / Mechanical Engineering / Information / Production Engineering																							
Programme Code : AE / ME / MD / PG With Effect From Academic Year : 2023-24																							
Duration of Programme : 6 Semester Duration : 16 WEEKS																							
Semester : Third NCF Entry Level : 10 Scheme : K																							
Sr No	Course Title	Abbreviation	Course Type	Course Code	Total ECTS Hrs for Sem	Learning Scheme						Assessment Scheme						Total Marks					
						Actual Contact Hrs/Week		Self Learning (Activity/Assignment/Micro Project)	National Learning Hrs/Week	Credits	Paper Duration (Hrs)	Theory			Based on LL & TL				Based on Self Learning				
						CL	TL					FA-TH	SA-TH	Total	FA-PR	SA-PR	SLA			Min	Max		
All Compulsory																							
1	APPLIED MATHEMATICS	AMS	SEC	312301	3	3	1	-	-	4	3	3	30	70	100	40	-	-	-	-	-	-	100
2	APPLIED PHYSICS	ASC	DSC	312308	4	2	-	3	0	8	4	1.5	30	70	100	40	25	10	25	10	50	10	200
3	APPLIED CHEMISTRY	ASC	DSC	312308	4	2	-	3	0	8	4	1.5	30	70	100	40	25	10	25	10	50	10	200
4	ENGINEERING DRAWING	EDG	SEC	312311	4	2	-	4	2	8	4	4	30	70	100	40	25	10	25	10	25	10	175
5	ENGINEERING MECHANICS	BGM	DSC	312312	2	3	1	2	2	8	4	3	30	70	100	40	25	10	-	-	25	10	150
6	MANUFACTURING TECHNOLOGY	MPR	DSC	312313	1	3	-	4	1	8	4	3	30	70	100	40	25	10	25	10	25	10	175
7	PROFESSIONAL COMMUNICATION	PCO	SEC	312002	-	-	-	2	-	2	1	-	-	-	-	-	25	10	25	10	25	10	150
8	SOCIAL AND LIFE SKILLS	SFS	VEC	312003	-	-	-	2	-	2	1	-	-	-	-	-	25	10	25	10	25	10	150
Total					18	19	2	16	0	20	20	20	190	180	100	120	120	120	120	120	120	120	900

3. Third semester I scheme

Maharashtra State Board of Technical Education, Mumbai																						
Teaching and Examination Scheme for Post S.S.C. Diploma Courses																						
Program Name : Diploma in Automobile Engineering																						
Programme Code : AE With Effect From Academic Year : 2017 - 18																						
Duration of Program : 6 Semesters Duration : 16 Weeks																						
Semester : Third Scheme : I																						
S. No.	Course Title	Course Abbreviation	Course Code	Teaching Scheme					Examination Scheme												Grand Total	
				L	T	P	Credit (L+T+P)	Theory			Practical			Total	ESE	PA	Total	ESE	PA	Total		
								Exam Duration in Hrs.	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks									Min Marks
1	Strength of Materials	SOM	22206	3	2	2	7	3	70	28	30*	00	100	40	25	10	25	10	50	20	150	
2	Materials and Manufacturing Processes	MMP	22207	3	-	2	5	3	70	28	30*	00	100	40	25	10	25	10	50	20	150	
3	Automobile Engines	AEN	22208	3	-	4	7	3	70	28	30*	00	100	40	50*	20	50	20	100	40	200	
4	Automobile Transmission System	ATS	22209	3	-	2	5	3	70	28	30*	00	100	40	25*	10	25	10	50	20	150	
5	Basic Electrical and Electronics Engineering	BEE	22210	4	-	2	6	3	70	28	30*	00	100	40	25	10	25	10	50	20	150	
6	Automobile Engineering Drawing	AED	22023	1	-	4	5	-	-	-	-	-	-	50	20	50	-	20	100	40	100	
Total				17	2	16	35	3	350	150	150	150	500	200	200	200	400	400	400	400	400	900

4. Third semester K scheme

Maharashtra State Board of Technical Education, Mumbai																							
Learning and Assessment Scheme for Post S.S.C. Diploma Courses																							
Program Name : Diploma in Automobile Engineering																							
Programme Code : AE With Effect From Academic Year : 2023-24																							
Duration of Programme : 6 Semester Duration : 16 WEEKS																							
Semester : Third NCF Entry Level : 10 Scheme : K																							
Sr No	Course Title	Abbreviation	Course Type	Course Code	Total ECTS Hrs for Sem	Learning Scheme						Assessment Scheme						Total Marks					
						Actual Contact Hrs/Week		Self Learning (Activity/Assignment/Micro Project)	National Learning Hrs/Week	Credits	Paper Duration (Hrs)	Theory			Based on LL & TL				Based on Self Learning				
						CL	TL					FA-TH	SA-TH	Total	FA-PR	SA-PR	SLA			Min	Max		
All Compulsory																							
1	STRENGTH OF MATERIALS	SOM	DSC	313308	1	4	-	2	-	6	3	3	30	70	100	40	25	10	-	-	-	-	125
2	FUNDAMENTALS OF AUTOMOBILE ENGINES	FAE	DSC	313312	-	4	-	2	3	8	4	3	30	70	100	40	25	10	25	10	25	10	175
3	THEORY OF MACHINES	TOM	DSC	313313	-	4	-	2	-	6	3	3	30	70	100	40	25	10	-	-	-	-	125
4	AUTOMOBILE TRANSMISSION SYSTEMS	ATS	DSC	313314	-	3	-	2	1	6	3	3	30	70	100	40	25	10	25	10	25	10	175
5	BASIC ELECTRICAL AND ELECTRONICS	BEE	SEC	312020	-	2	-	4	-	6	3	-	-	-	-	50	20	50	20	-	-	100	
6	ESSENCE OF INDIAN CONSTITUTION	EIC	VEC	313002	-	1	-	-	1	2	1	-	-	-	-	-	-	-	-	-	50	20	50
7	AUTOMOBILE WORKING DRAWING & CAD	AWD	SEC	313008	-	1	-	4	1	6	3	-	-	-	-	25	10	-	-	25	10	50	
Total					1	19	16	6	0	20	20	20	120	180	400	175	100	100	125	125	125	800	

5. Fourth semester I scheme

Maharashtra State Board of Technical Education, Mumbai																					
Teaching and Examination Scheme for Post S.S.C. Diploma Courses																					
Program Name : Diploma in Automobile Engineering																					
Program Code : AE																					
With Effect From Academic Year: 2017 - 18																					
Duration of Program : 6 Semesters																					
Duration : 16 Weeks																					
Semester : Fourth																					
Scheme - I																					
S. No.	Course Title	Course Abbreviation	Course Code	Teaching Scheme				Credit (L+T+P)	Examination Scheme												Grand Total
				L	T	P	Exam Duration in Hrs.		Theory			Practical			Total						
									ESE	PA	Total	ESE	PA	Total	ESE	PA	Total				
Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min						
1	Theory of Machines	TOM	22438	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
2	Automobile Manufacturing Processes	AMP	22439	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
3	Advanced Automobile Engines	AAE	22440	4	-	2	6	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
4	Heat Power Engineering	HPE	22441	4	-	2	6	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
5	Automobile Systems and Body Engineering	ASB	22442	4	-	2	6	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
6	Mechanical Measurement	MME	22046	1	-	2	3	-	-	-	-	-	-	25@	10	25-	-	10	50	20	50
7	Solid Modeling and Additive Manufacturing	SMA	22041	-	-	2	2	-	-	-	-	-	-	25@	10	25-	-	10	50	20	50
Total				19	-	14	33	-	350	-	150	-	500	-	175	-	175	-	350	-	850

Student Contact Hours Per Week: 33 Hrs. Medium of Instruction: English
 Theory and practical periods of 60 minutes each. Total Marks : 850
 Abbreviations: ESE- End Semester Exams, PA- Progressive Assessment, L - Lectures, T - Tutorial, P - Practical
 @ Internal Assessment, # External Assessment, * On Line Examination, * Computer Based Assessment
 * Under the theory PA, Out of 30 marks, 10 marks are for micro-project assessment to facilitate integration of COs and the remaining 20 marks is the average of 2 tests to be taken during the semester for the assessment of the cognitive domain LOs required for the attainment of the COs.
 - For the courses having ONLY Practical Examinations, the PA marks - Practical Part - with 60% weightage and Micro-Project Part with 40% weightage
 - If Candidate not securing minimum marks for passing in the "PA" part of practical of any course of any semester then the candidate shall be declared as "Detained" for that semester.
 - In-Plant Training during Summer vacation for minimum Six Weeks at the end of Fourth Semester (Second Year).



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6. Fourth semester K scheme

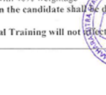
Maharashtra State Board of Technical Education, Mumbai																						
Learning and Assessment Scheme for Post S.S.C. Diploma Courses																						
Program Name : Diploma in Automobile Engineering																						
Program Code : AE																						
With Effect From Academic Year : 2023-24																						
Duration of Program : 6 Semesters																						
Duration : 16 WEEKS																						
Semester : Fourth																						
Scheme : K																						
Sr No	Course Title	Abbreviation	Course Type	Course Code	Total ESE Hrs./Sem.	Learning Scheme				Credits	Paper Duration (Hrs)	Assessment Scheme						Total Marks				
						CL	TL	LL	Self Learning (Activity/Assignment/Mini Project)			Non-Exam Learning Hrs./Week	Theory	Based on L.L. & TL		Based on Self Learning	Total					
														PA-PR	SA-PR				SLA			
Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min							
(A) Compulsory																						
1	ENVIRONMENTAL EDUCATION AND SUSTAINABILITY	EES	VEC	314301	2	3	-	-	1	4	2	15	30	70*	100	40	-	-	-	25	10	125
2	ADVANCED ENGINE TECHNOLOGIES	AET	DSC	314341	-	4	-	2	2	8	4	3	30	70	100	40	25	10	25@	10	25	175
3	AUTOMOBILE MANUFACTURING PROCESSES	AMP	AEC	314342	2	4	-	4	-	8	4	3	30	70	100	40	25	10	25@	10	-	150
4	AUTOMOBILE SYSTEMS	ASY	DSC	314343	-	4	-	3	3	8	4	3	30	70	100	40	25	10	25@	10	25	175
5	TWO AND THREE WHEELER TECHNOLOGIES	TTW	DSC	314344	2	3	-	2	1	6	3	3	30	70	100	40	25	10	25@	10	25	175
6	FUNDAMENTALS OF PYTHON PROGRAMMING	PPP	AEC	313007	-	-	-	2	-	2	1	-	-	-	-	25	10	25@	10	-	50	
7	MECHANICAL MEASUREMENT	MME	AEC	314019	2	1	-	2	1	4	2	-	-	-	25	10	-	-	25	10	50	
Total				8	19	14	7	-	20	20	180	380	800	180	128	128	-	-	-	900	-	900

Abbreviations : CL- Classroom Learning, TL- Tutorial Learning, LL- Laboratory Learning, PA- Formative Assessment, SA- Summative Assessment, ICS- Indian Knowledge System, SLA- Self Learning Assessment
 Legend : @ Internal Assessment, # External Assessment, * On Line Examination, @ Internal Online Examination
 Note :
 1. PA-TH represents average of two class tests of 30 marks each conducted during the semester.
 2. If candidate is not securing minimum passing marks in PA-PR of any course then the candidate shall be declared as "Detained" in that semester.
 3. Candidate is not securing minimum passing marks in SLA of any course then the candidate shall be declared as fail and will have to repeat and resubmit SLA work.
 4. Non-Exam Learning hours for the semester are CL-LL-TL-50. i.e. 15 Weeks.
 5. 1 credit is equivalent to 30 Non-Exam hrs.
 6. * Self-learning hours shall not be reflected in the Time Table.
 7. * Self learning includes micro project / assignment / other activities.
 Course Category : Discipline Specific Course Core (DSC), Discipline Specific Elective (DSE), Value Education Course (VEC), Intern /Apprent/Project/Community (INP), Ability Enhancement Course (AEC), Skill Enhancement Course (SEC), Guest/Elective (GE).

7. Fifth semester I scheme

Maharashtra State Board of Technical Education, Mumbai																						
Teaching and Examination Scheme for Post S.S.C. Diploma Courses																						
Program Name : Diploma in Automobile Engineering																						
Program Code : AE																						
With Effect From Academic Year: 2017 - 18																						
Duration of Program : 6 Semesters																						
Duration : 16 Weeks																						
Semester : Fifth																						
Scheme - I																						
S. No.	Course Title	Course Abbreviation	Course Code	Teaching Scheme				Credit (L+T+P)	Examination Scheme												Grand Total	
				L	T	P	Exam Duration in Hrs.		Theory			Practical			Total							
									ESE	PA	Total	ESE	PA	Total	ESE	PA	Total					
Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min							
1	Environmental Studies	EST	22447	3	-	-	3	90	70**	28	30*	00	100	40	-	-	-	-	-	-	-	100
2	Transport Management and Motor Vehicle Act	TMM	22557	3	-	-	3	70	28	30*	00	100	40	-	-	-	-	-	-	-	-	100
3	Automobile Component Design	ACD	22558	4	-	2	6	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150	
4	Two and Three Wheeler Technologies	TTW	22559	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150	
Elective (Any One)																						
5	Motor Vehicle Insurance and Valuation	MVI	22560	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150	
6	Automobile Body Engineering and Safety	ABE	22561	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150	
7	Entrepreneurship Development	EDE	22002	2	-	2	4	-	-	-	-	-	-	50@	20	50-	-	20	100	40	100	
8	Industrial Training	ITR	22007	-	-	6	6	-	-	-	-	-	-	75@	30	75	30	150	60	150	300	
9	Capstone Project Planning	CPP	22008	-	-	2	2	-	-	-	-	-	-	25@	10	25	10	50	20	50	50	
Total				18	-	16	34	-	350	-	150	-	500	-	225	-	225	-	450	-	900	

Student Contact Hours Per Week: 34 Hrs. Medium of Instruction: English
 Theory and practical periods of 60 minutes each. Total Marks : 950
 Abbreviations: ESE- End Semester Exams, PA- Progressive Assessment, L - Lectures, T - Tutorial, P - Practical
 @ Internal Assessment, # External Assessment, * On Line Examination, * Computer Based Assessment
 * Under the theory PA, Out of 30 marks, 10 marks are for micro-project assessment to facilitate integration of COs and the remaining 20 marks is the average of 2 tests to be taken during the semester for the assessment of the cognitive domain LOs required for the attainment of the COs.
 - For the courses having ONLY Practical Examinations, the PA marks - Practical Part - with 60% weightage and Micro-Project Part with 40% weightage
 - If Candidate not securing minimum marks for passing in the "PA" part of practical of any course of any semester then the candidate shall be declared as "Detained" for that semester.
 - Evaluation of Industrial Training and its reports is to be done after completion of Industrial Training. Credits of Industrial Training will not be reflected in the time table.



MSBTE - Updated on 16.07.2019

8. Fifth semester K scheme

Maharashtra State Board Of Technical Education, Mumbai																									
Learning and Assessment Scheme for Post S.S.C Diploma Courses																									
Programme Name		Diploma In Automobile Engineering										With Effect From Academic Year : 2023-24													
Programme Code		AE										Duration : 12 Weeks (Industry) + 10 Weeks (Institute)													
Duration Of Programme		6 Semester										Semester : K													
Semester		Fifth NCF Entry Level : 4.0										Scheme : K													
Sr No	Course Title	Abbreviation	Course Type	Course Code	Total IKS Hrs for Sem.	Learning Scheme						Credits	Paper Duration (hrs.)	Assessment Scheme											
						Actual Contact Hrs./Week	Self Learning (Activity/Assignment/Micro Project)	National Learning Hrs./Week	CL	TL	LL			Theory			Based on L.L. & T.L.			Based on Self Learning	Total				
														FA-TH	SA-TH	Total	FA-PR	SA-PR	SLA			Max	Min		
(All Compulsory)																									
1	EMERGING TRENDS IN MECHANICAL ENGINEERING	ETM	DSC	315363	-	3	-	-	-	-	3	1	1.5	30	70*	100	40	-	-	-	-	-	-	100	
2	TRANSPORT MANAGEMENT AND MOTOR VEHICLE ACT	TMM	DSC	315375	1	4	-	-	-	2	6	2	3	30	70	100	40	-	-	-	-	-	25	10	125
3	ADVANCES IN AUTOMOTIVE TECHNOLOGIES	AAT	DSC	315376	-	4	-	2	-	-	6	2	3	30	70	100	40	25	10	25	10	-	-	150	
4	SEMINAR AND PROJECT INITIATION COURSE	SPI	AEC	315003	-	-	-	1	-	2	3	1	-	-	-	-	-	25	10	25	10	25	10	75	
5	MAINTENANCE OF AUTOMOBILE SYSTEMS	MAS	SEC	315011	-	2	-	4	-	-	6	2	-	-	-	-	25	10	25	10	25	10	-	50	
6	INTERNSHIP (WEEKS)	IRK	BNP	315004	-	-	-	-	-	-	36	40	10	-	-	-	100	40	100	40	-	-	-	200	
Elective - I (Any - One)																									
7	AUTOMOBILE BODY ENGINEERING AND SAFETY	ABS	DSE	315377	-	4	-	2	-	-	6	2	3	30	70	100	40	25	10	25	10	-	-	150	
8	AUTOMOBILE TESTING AND VALIDATION	ATV	DSE	315378	-	4	-	2	-	-	6	2	3	30	70	100	40	25	10	25	10	-	-	150	
9	MOTOR VEHICLE INSURANCE AND VALUATION	MIV	DSE	315379	-	4	-	2	-	-	6	2	3	30	70	100	40	25	10	25	10	-	-	150	
Total					1	17	9	4	20	120	280	400	200	200	50	150	850								

9. Sixth semester I scheme

Maharashtra State Board of Technical Education, Mumbai																							
Teaching and Examination Scheme for Post S.S.C. Diploma Courses																							
Program Name		Diploma In Automobile Engineering										With Effect From Academic Year: 2017 - 18											
Program Code		AE										Duration : 16 Weeks											
Duration Of Program		6 Semesters										Semester : Sixth											
Semester		Sixth NCF Entry Level : 4.0										Scheme - I											
S. N.	Course Title	Course Abbreviation	Course Code	Teaching Scheme				Credit (L+T+P)	Examination Scheme												Grand Total		
				L	T	P	Exam Duration in Hrs.		Theory				Practical				Total						
									ESE	PA	Total	ESE	PA	Total									
1	Management	MAN	22509	3	-	-	3	90	70*	28	30*	00	100	40	-	-	-	-	-	-	-	-	100
2	Hydraulic and Pneumatic Controls	HPC	22650	3	-	2	5	3	70	28	30*	00	100	40	25	10	25	10	50	20	150	150	
3	Automotive Electrical and Electronics Systems	AEE	22651	3	-	2	5	3	70	28	30*	00	100	40	25	10	25	10	50	20	150	150	
4	Emerging Trends in Mechanical Engineering	ETM	22652	3	-	-	3	90	70*	28	30*	00	100	40	-	-	-	-	-	-	-	-	100
Elective - II (Select Any One)																							
4	Automobile Air Conditioning	AAC	22653	3	-	2	5	3	70	28	30*	00	100	40	25	10	25	10	50	20	150	150	
4	Autotronics	AUT	22654	3	-	2	5	3	70	28	30*	00	100	40	25	10	25	10	50	20	150	150	
6	Capstone Project - Execution & Report Writing	CPE	22060	-	4	4	-	-	-	-	-	-	50*	20	50-	20	100	40	100	40	100	40	100
7	Vehicle System Maintenance	VSM	22065	2	-	4	6	-	-	-	-	-	75*	30	75-	30	150	60	150	60	150	150	
Total					17	14	31	-	350	-	150	-	500	-	200	-	200	-	400	-	900	900	

Student Contact Hours Per Week: 31 Hrs. Medium of Instruction: English
 Theory and practical periods of 60 minutes each. Total Marks : 900
 Abbreviations: ESE- End Semester Exam, PA- Progressive Assessment, L - Lectures, T - Tutorial, P- Practical
 * Internal Assessment, # External Assessment, * On Line Examination, * Computer Based Assessment
 * Under the theory PA, Out of 30 marks, 10 marks are for micro-project assessment to facilitate integration of COs and the remaining 20 marks is the average of 2 tests to be taken during the semester for the assessment of the cognitive domain LOs required for the attainment of the COs.
 - For the courses having ONLY Practical Examination, the PA marks Practical Part - with 60% weightage and Micro-Project Part with 40% weightage
 > If Candidate not securing minimum marks for passing in the "PA" part of practical of any course of any semester then the candidate shall be declared as "Detained" for that semester.

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10. Sixth semester K scheme

Maharashtra State Board Of Technical Education, Mumbai																								
Learning and Assessment Scheme for Post S.S.C Diploma Courses																								
Programme Name		Diploma In Automobile Engineering										With Effect From Academic Year : 2023-24												
Programme Code		AE										Duration : 16 WEEKS												
Duration Of Programme		6 Semester										Semester : K												
Semester		Sixth NCF Entry Level : 4.0										Scheme : K												
Sr No	Course Title	Abbreviation	Course Type	Course Code	Total IKS Hrs for Sem.	Learning Scheme						Credits	Paper Duration (hrs.)	Assessment Scheme										
						Actual Contact Hrs./Week	Self Learning (Activity/Assignment/Micro Project)	National Learning Hrs./Week	CL	TL	LL			Theory			Based on L.L. & T.L.			Based on Self Learning	Total			
														FA-TH	SA-TH	Total	FA-PR	SA-PR	SLA			Max	Min	
(All Compulsory)																								
1	MANAGEMENT	MAN	AEC	315301	1	3	-	-	-	1	4	2	1.5	30	70*	100	40	-	-	-	-	25	10	125
2	AUTOMOBILE COMPONENT DESIGN	ACD	DSC	316346	6	4	-	2	-	-	6	3	3	30	70	100	40	25	10	-	-	-	125	
3	AUTOMOBILE HYDRAULIC AND PNEUMATIC CONTROL SYSTEMS	HPC	DSC	316347	-	3	-	2	-	1	6	3	3	30	70	100	40	25	10	-	-	25	10	150
4	ENTREPRENEURSHIP DEVELOPMENT AND STRATEGIES	EDS	ABC	314014	-	1	-	2	-	1	4	2	-	-	-	-	50	20	25	10	25	10	100	
5	AUTOMOTIVE ELECTRICAL AND ELECTRONIC SYSTEM	AES	ABC	316009	-	2	-	2	-	-	4	2	-	-	-	-	25	10	50	20	-	-	75	
6	SOLE MOLDING AND ADDITIVE MANUFACTURING	SAM	SEC	316010	-	-	-	4	-	2	6	3	-	-	-	-	25	10	25	10	25	10	75	
7	CAPSTONE PROJECT	CPE	BNP	316004	-	-	-	2	-	2	4	2	-	-	-	-	50	20	50	20	50	20	150	
Elective - II (Any - One)																								
8	ALTERNATIVE FUELS FOR AUTOMOBILES	ATL	DSE	316348	-	4	-	2	-	-	6	3	3	30	70	100	40	25	10	25	10	-	150	
8	AUTOMOBILE AIR CONDITIONING	AAC	DSE	316349	-	4	-	2	-	-	6	3	3	30	70	100	40	25	10	25	10	-	150	
8	AUTOTRONICS	ATN	DSE	316350	-	4	-	2	-	-	6	3	3	30	70	100	40	25	10	25	10	-	150	
Total					7	17	16	7	30	120	280	400	225	175	150	850								

B. List the curricular gaps for the attainment of POs & PSOs (10)

Institute Marks 9.00

Steps of Gap Identification

- The course coordinator undertakes a comprehensive review of the curriculum to gain an in-depth understanding of its scope and objectives. This is followed by collaborative discussions with fellow subject teachers on a common platform, where the interrelationship and integration among various subjects are carefully examined.
- Recent technological developments and emerging industrial trends are identified through structured interactions and deliberations with industry experts, faculty members, and departmental staff.
- The course content delivered under various industry collaborations and tie-ups of the department is also reviewed to assess its relevance and to identify existing curricular gaps, thereby facilitating the formulation of appropriate remedial measures.
- Based on these comprehensive discussions, specific curricular and knowledge gaps are systematically identified, and a well-defined strategy is devised to bridge these gaps effectively.
- In alignment with the identified needs, academic and skill-enhancement initiatives such as symposiums, seminars, workshops, and training programs are organized to strengthen students' competencies and industry readiness.

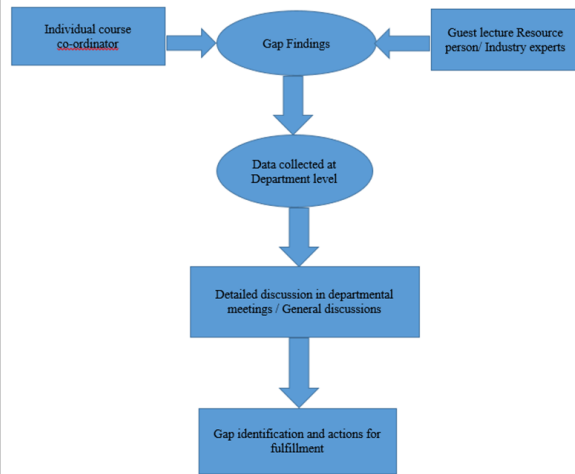


Fig.No. 2.1.2.2 : The process used to identify gap

The list of Curricular Gaps:**1. Basics of Electric Vehicle**

The curriculum did not include Basics of electric vehicle in subject Two wheeler and Three Wheeler Technology so for this purpose 2 days two wheeler workshop was conducted for students which provided theoretical as well as Hands on practical performance on electric vehicle

2. Basic Engine Oil Properties

Fundamental oil properties like Viscosity, Lubrication, Flash Point, Pour Point, Thermal Stability were not included in curriculum of subject Fundamentals of Automobile Engine so for this purpose a guest lecture was organized on Automotive fluids which eventually covered the curricular gap.

3. Non Destructive Testing of Materials

Practicals from MSBTE include destructive testing of materials but for better understanding of students non-destructive testing was shown to students by arranging an industrial visit. NDT such as Visual testing, Liquid Penetrant testing, Eddy current testing were performed by experts

4. Basics of thermodynamics

Certain gaps like knowledge of fundamentals in thermodynamic engineering which are not covered in the curriculum but are essential for an automobile engineer in the subject Heat Power Engineering (I scheme) were covered by arranging an industrial visit to Sugar Factory and also by taking an extra lecture

Action Taken on Gap identification**CAY 2025-26**

Sr. No	Gap	Action Taken	Date- Month- Year	Resource person with designation	No. of students present	Relevance to POs & PSO s
1	3	Industrial visit at " NDT Metal Solutions Lab"	12-07-2025	Mr.Deepak Sonar	20	PO1, PO2, PO4, PO6, PSO1,
2	1	Two wheeler workshop	16-02-2026 to 18-02-2026	Mr.Somsundar Menon	35	PO1,PO2,PO3,PO5, PO7,PSO1,PSO2

CAY m1 2024-25

S. No.	Gap	Action Taken	Date- Month- Year	Resource person with designation	No. of students present	Relevance to POs & PSO s
1	1	Guest lecture on "Electric vehicle"	23-07-2024	Mr.Philip Bhosale & Mr.Shubham Shinde	35	PO1,PO2,PO3,PO5,PO7,PSO1,PSO2
2	1	Two wheeler Workshop	24/09/2024 to 25/9/2024	Mr.Nitin ranade& Mr. Anup Anand	50	PO1,PO2,PO3,PO5, PO7,PSO1,PSO2
3	4	Industrial visit at "Shree Sant Tukaram Sugar Factory"	07-10-2024	Mr.Pathare	20	PO1,PO2,PSO1
4	2	Guest lecture on "Automotive Fluids"	22-08-2024	Mr.Lakhan Gosavi	36	PO1, PO2, PO5, PSO1

CAY m2 2023-24

S. N o.	Gap	Action Taken	Date- Month- Year	Resource person with designation	No. of students present	Relevance to POs & PSO s
2	1	Guest lecture on "Electric vehiele"	05-08-2023	Mr.Shashank Gaikwad (EV design engineer)	12	PO1,PO2,PO3,PO5, PO7,PSO1,PSO2
2	4	Guest lecture on "Skill Development and Career Opportunities in Steam Boiler	05-08-2023	Mr.C.G.Pawar	15	PO1, PO2, PSO1

		industry*				
3	1	Industrial visit at "Jai Mata Di Green, Kinetic Green, Chinchwad"	21-08-2023	Jai Mata Di Green	21	PO1,PO2,PO3,PO5,PO7,PSO1,PSO2
4	3	Industrial visit at "NDT Metal Solutions Lab"	26-08-2023	Mr.Deepak Sonar	25	PO1, PO2, PO4, PO6, PSO1
5	4	Industrial visit at "Shree Sant Tukaram Sugar Factory"	03-02-2024	Mr.Pathare	30	PO1, PO2, PO3, PSO1

2.1.2 Contents beyond the Syllabus (15)

Institute Marks

13.00

A. Steps taken to get identified gaps included in the curriculum (eg. Letters to Board) (2)

Institute Marks

2.00

- The curriculum of MSBTE is revised after every 5 years.
- In academic year 2023-24, four wheeler electric vehicle topic was not introduced in curriculum. Thus, automobile department conveyed this to MSBTE via letter. Later, the topic was introduced under "Advances in Automotive Technology" course.
- Similarly in academic year 2024-25, a letter was sent to MSBTE regarding overlooking of two wheeler electric vehicle in the course Two wheeler and Three wheeler technologies

B. Delivery details of content beyond syllabus (10)

Institute Marks

8.00

1. Introduction to Quality tools

Since quality tools are not included in the prescribed syllabus, their introduction is treated as content beyond syllabus. Exposure to basic quality tools such as Kaizen, Poka-Yoke, and control charts helps students understand real-world problem solving and process improvement. This additional learning enhances analytical skills and industry readiness. It also bridges the gap between theoretical knowledge and practical application in engineering practice. Thus, knowledge of Quality tools was given to students by arranging industrial visits and certification courses.

2. Electric vehicles

Since electric vehicles are not covered in the prescribed syllabus, their introduction is considered as content beyond syllabus. Providing basic knowledge of electric vehicles helps students understand emerging technologies, sustainable transportation, and current industry trends. It enhances awareness about eco-friendly solutions and modern automotive systems. This exposure improves students' readiness for future career opportunities in evolving engineering domains.

3. Knowledge of design domain in Automobile sector

Knowledge of the design domain in the automobile sector is very important for students because it helps them understand how vehicles are conceived, developed, and improved. Automobile design is not only about the outer look of a car, but also about functionality, safety, ergonomics, materials, aerodynamics, and sustainability. This knowledge also improves their career opportunities in automotive manufacturing, research and development, and product design. Overall, understanding the design domain prepares students to contribute effectively to modern, sustainable, and technologically advanced transportation systems.

Thus, the above content beyond syllabus was covered by arranging guest lectures, industrial visit and certification course.

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	1	Bajaj Manufacturi	01/08/2025	Bajaj Ltd.	Online	15	PO1, PO2, PO4, f

2024-25

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	3	CATIA V5 Plastic	21/09/2024	Mr. Nilesh Jagtap, Sr Lead	Offline	11	PO1, PO3, PO4, f
2	1	Volkswagen B.U.f	22/02/2025	Mr. Amol Dalvi, HR at Volks	Offline	17	PO1, PO2, PO4, f
3	1	Volkswagen Grou	12/03/2025	Mr. Sunil Kalwa, Chief Man	Offline	21	PO1, PO2, PO4, f

2023-24

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	2	Guest lecture on	05/08/2023	Mr.Shashank Galkwad, EV I	Offline	12	PO1, PO5,PO7,PS

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

23.00

A. Adherence to Academic Calendar (3)

Institute Marks

3.00

The institute adheres to the academic calendar prescribed by the Maharashtra State Board of Technical Education to ensure systematic planning and effective execution of academic activities.

The MSBTE Academic Calendar provides the overall framework, which includes:

- Academic term (odd/even semester) start and end dates
- Class test schedule
- Examination form filling and confirmation schedule
- Practical and theory examination schedule
- Tentative result declaration

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION
(Autonomous) (ISO 9001:2015)
4th Floor, Govt. Polytechnic, Bldg. -09, Kierwadi, Bantra (E), Mumbai-400 051
Tel.No. : 022-62542100
Email:secretary@msbte.com
www.msbtte.org.in

No. MSBTE/D-40/Academic Calendar/2025/ 3 & G 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 (2-5)		Even Semester (2-4,6)
		Other than 1 st Semester (2,5)	For 1 st semester	
1	Academic Term	01 July - 17 October, 2025	*17 July - 17 October, 2025	15 December, 2025 - 04 April, 2026
2	First Class Test	11 - 13 August, 2025	08 - 10 September, 2025	27 - 29 January, 2026
3	Second Class Test	13 - 15 October, 2025	13 - 15 October, 2025	30 March - 02 April, 2026

B) Academic schedule for Yearly Pattern Programme

S.N.	Activities	Yearly Pattern (2,3)	Yearly Pattern (1st Year)	Pharmacy 2 nd Year	Pharmacy 1 st Year
		Yearly Pattern (2,3)	Yearly Pattern (1st Year)	Pharmacy 2 nd Year	Pharmacy 1 st 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 fee of Rs. 200/-)	Filling Examination forms (With Exam form fees + Penalty Rs. 1500/-)
		Filling Examination forms (Normal Fees)	Filling Examination forms (With Exam form fees + Late fee 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	RBTE confirmation	18 - 22 September, 2025		

Last date for RBTE confirmation of filled exam form is 22nd September, 2025 upto 5:00 PM

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	Summer 2026 Examination
		Exam schedule	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	2 nd Week of January, 2026 (Tentatively)	3 rd Week of June 2026 (Tentatively)

Start of Academic Year 2026-27 from 01st July, 2026

Note:

- Institutes have to take measures to conduct additional instructional days for academic activities if needed.
- Institutes have to conduct additional instructional days to complete the curriculum of 1st semester / 1st Year / Direct Second Year admitted students.
- 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.
- All Practical & term work shall be completed with continuous assessment as per curriculum before the end of term.
- In unavoidable circumstances, the necessary amendment in the schedule of any activity will be notified through separate circular on MSBTE web portal.
- 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. Nagdev)
Secretary,
M.S. Board of Technical Education, Mumbai

Copy to:

- Hon. Director, MSBTE, Mumbai - for information.
- Dy. Secretary, C.D.C., MSBTE, Mumbai - for information.
- Dy. Secretary, MSBTE Regional Offices, Mumbai, Pune, Nagpur, Chh. Sambhujinagar for necessary action.
- Desk Officer D-40, D-42 & D-43 MSBTE, Mumbai - for necessary action.
- Postal Manager, MSBTE, Mumbai to display on the website

Fig 2.2.1. : Academic calendar MSBTE

Based on this, the Institute Academic Calendar is prepared by the Head of Institute in consultation with Head of Departments and Academic coordinator. It includes:

- Teaching schedule and Internal assessments
- Course file audit and internal academic monitoring
- MSBTE result analysis
- Institutional extra curricular events.
- Activities of committees like Student Grievance, Anti Ragging Committee
- Parent-Teacher Meetings

Marathwada Mitra Mandal's Polytechnic
Pune (Autonomous) - 411 004
Institute schedule 2025-26 (2nd Semester)

Sl. No.	Activity	Date	Sl. No.	Activity	Date	Sl. No.	Activity	Date
1	5 th Sem Start		1	5 th Sem Start		1	5 th Sem Start	
2	3 rd Sem Exam		2	3 rd Sem Exam		2	3 rd Sem Exam	
3	4 th Sem Exam		3	4 th Sem Exam		3	4 th Sem Exam	
4	5 th Sem Exam		4	5 th Sem Exam		4	5 th Sem Exam	
5	6 th Sem Exam		5	6 th Sem Exam		5	6 th Sem Exam	
6	7 th Sem Exam		6	7 th Sem Exam		6	7 th Sem Exam	
7	8 th Sem Exam		7	8 th Sem Exam		7	8 th Sem Exam	
8	9 th Sem Exam		8	9 th Sem Exam		8	9 th Sem Exam	
9	10 th Sem Exam		9	10 th Sem Exam		9	10 th Sem Exam	
10	11 th Sem Exam		10	11 th Sem Exam		10	11 th Sem Exam	
11	12 th Sem Exam		11	12 th Sem Exam		11	12 th Sem Exam	
12	13 th Sem Exam		12	13 th Sem Exam		12	13 th Sem Exam	
13	14 th Sem Exam		13	14 th Sem Exam		13	14 th Sem Exam	
14	15 th Sem Exam		14	15 th Sem Exam		14	15 th Sem Exam	
15	16 th Sem Exam		15	16 th Sem Exam		15	16 th Sem Exam	
16	17 th Sem Exam		16	17 th Sem Exam		16	17 th Sem Exam	
17	18 th Sem Exam		17	18 th Sem Exam		17	18 th Sem Exam	
18	19 th Sem Exam		18	19 th Sem Exam		18	19 th Sem Exam	
19	20 th Sem Exam		19	20 th Sem Exam		19	20 th Sem Exam	
20	21 st Sem Exam		20	21 st Sem Exam		20	21 st Sem Exam	
21	22 nd Sem Exam		21	22 nd Sem Exam		21	22 nd Sem Exam	
22	23 rd Sem Exam		22	23 rd Sem Exam		22	23 rd Sem Exam	
23	24 th Sem Exam		23	24 th Sem Exam		23	24 th Sem Exam	
24	25 th Sem Exam		24	25 th Sem Exam		24	25 th Sem Exam	
25	26 th Sem Exam		25	26 th Sem Exam		25	26 th Sem Exam	
26	27 th Sem Exam		26	27 th Sem Exam		26	27 th Sem Exam	
27	28 th Sem Exam		27	28 th Sem Exam		27	28 th Sem Exam	
28	29 th Sem Exam		28	29 th Sem Exam		28	29 th Sem Exam	
29	30 th Sem Exam		29	30 th Sem Exam		29	30 th Sem Exam	
30	31 st Sem Exam		30	31 st Sem Exam		30	31 st Sem Exam	
31	32 nd Sem Exam		31	32 nd Sem Exam		31	32 nd Sem Exam	
32	33 rd Sem Exam		32	33 rd Sem Exam		32	33 rd Sem Exam	
33	34 th Sem Exam		33	34 th Sem Exam		33	34 th Sem Exam	
34	35 th Sem Exam		34	35 th Sem Exam		34	35 th Sem Exam	
35	36 th Sem Exam		35	36 th Sem Exam		35	36 th Sem Exam	
36	37 th Sem Exam		36	37 th Sem Exam		36	37 th Sem Exam	
37	38 th Sem Exam		37	38 th Sem Exam		37	38 th Sem Exam	
38	39 th Sem Exam		38	39 th Sem Exam		38	39 th Sem Exam	
39	40 th Sem Exam		39	40 th Sem Exam		39	40 th Sem Exam	
40	41 st Sem Exam		40	41 st Sem Exam		40	41 st Sem Exam	
41	42 nd Sem Exam		41	42 nd Sem Exam		41	42 nd Sem Exam	
42	43 rd Sem Exam		42	43 rd Sem Exam		42	43 rd Sem Exam	
43	44 th Sem Exam		43	44 th Sem Exam		43	44 th Sem Exam	
44	45 th Sem Exam		44	45 th Sem Exam		44	45 th Sem Exam	
45	46 th Sem Exam		45	46 th Sem Exam		45	46 th Sem Exam	
46	47 th Sem Exam		46	47 th Sem Exam		46	47 th Sem Exam	
47	48 th Sem Exam		47	48 th Sem Exam		47	48 th Sem Exam	
48	49 th Sem Exam		48	49 th Sem Exam		48	49 th Sem Exam	
49	50 th Sem Exam		49	50 th Sem Exam		49	50 th Sem Exam	
50	51 st Sem Exam		50	51 st Sem Exam		50	51 st Sem Exam	
51	52 nd Sem Exam		51	52 nd Sem Exam		51	52 nd Sem Exam	
52	53 rd Sem Exam		52	53 rd Sem Exam		52	53 rd Sem Exam	
53	54 th Sem Exam		53	54 th Sem Exam		53	54 th Sem Exam	
54	55 th Sem Exam		54	55 th Sem Exam		54	55 th Sem Exam	
55	56 th Sem Exam		55	56 th Sem Exam		55	56 th Sem Exam	
56	57 th Sem Exam		56	57 th Sem Exam		56	57 th Sem Exam	
57	58 th Sem Exam		57	58 th Sem Exam		57	58 th Sem Exam	
58	59 th Sem Exam		58	59 th Sem Exam		58	59 th Sem Exam	
59	60 th Sem Exam		59	60 th Sem Exam		59	60 th Sem Exam	
60	61 st Sem Exam		60	61 st Sem Exam		60	61 st Sem Exam	
61	62 nd Sem Exam		61	62 nd Sem Exam		61	62 nd Sem Exam	
62	63 rd Sem Exam		62	63 rd Sem Exam		62	63 rd Sem Exam	
63	64 th Sem Exam		63	64 th Sem Exam		63	64 th Sem Exam	
64	65 th Sem Exam		64	65 th Sem Exam		64	65 th Sem Exam	
65	66 th Sem Exam		65	66 th Sem Exam		65	66 th Sem Exam	
66	67 th Sem Exam		66	67 th Sem Exam		66	67 th Sem Exam	
67	68 th Sem Exam		67	68 th Sem Exam		67	68 th Sem Exam	
68	69 th Sem Exam		68	69 th Sem Exam		68	69 th Sem Exam	
69	70 th Sem Exam		69	70 th Sem Exam		69	70 th Sem Exam	
70	71 st Sem Exam		70	71 st Sem Exam		70	71 st Sem Exam	
71	72 nd Sem Exam		71	72 nd Sem Exam		71	72 nd Sem Exam	
72	73 rd Sem Exam		72	73 rd Sem Exam		72	73 rd Sem Exam	
73	74 th Sem Exam		73	74 th Sem Exam		73	74 th Sem Exam	
74	75 th Sem Exam		74	75 th Sem Exam		74	75 th Sem Exam	
75	76 th Sem Exam		75	76 th Sem Exam		75	76 th Sem Exam	
76	77 th Sem Exam		76	77 th Sem Exam		76	77 th Sem Exam	
77	78 th Sem Exam		77	78 th Sem Exam		77	78 th Sem Exam	
78	79 th Sem Exam		78	79 th Sem Exam		78	79 th Sem Exam	
79	80 th Sem Exam		79	80 th Sem Exam		79	80 th Sem Exam	
80	81 st Sem Exam		80	81 st Sem Exam		80	81 st Sem Exam	
81	82 nd Sem Exam		81	82 nd Sem Exam		81	82 nd Sem Exam	
82	83 rd Sem Exam		82	83 rd Sem Exam		82	83 rd Sem Exam	
83	84 th Sem Exam		83	84 th Sem Exam		83	84 th Sem Exam	
84	85 th Sem Exam		84	85 th Sem Exam		84	85 th Sem Exam	
85	86 th Sem Exam		85	86 th Sem Exam		85	86 th Sem Exam	
86	87 th Sem Exam		86	87 th Sem Exam		86	87 th Sem Exam	
87	88 th Sem Exam		87	88 th Sem Exam		87	88 th Sem Exam	
88	89 th Sem Exam		88	89 th Sem Exam		88	89 th Sem Exam	
89	90 th Sem Exam		89	90 th Sem Exam		89	90 th Sem Exam	
90	91 st Sem Exam		90	91 st Sem Exam		90	91 st Sem Exam	
91	92 nd Sem Exam		91	92 nd Sem Exam		91	92 nd Sem Exam	
92	93 rd Sem Exam		92	93 rd Sem Exam		92	93 rd Sem Exam	
93	94 th Sem Exam		93	94 th Sem Exam		93	94 th Sem Exam	
94	95 th Sem Exam		94	95 th Sem Exam		94</		

Marathwada Mitra Mandal's Polytechnic Pimpri Chinchwad Pune - 411033 Automobile Engineering calendar 2025-26 (Even Semester)						
	December	January	February	March	April	May
Sunday						
Monday	1		1	1		
Tuesday	2		2	2		
Wednesday	3		3	3		
Thursday	4		4	4		
Friday	5	1	5	5	1	CT 2
Saturday	6	2	6	6	2	CT 2
Sunday	7	3	7	7	3	GOOD FRIDAY
Monday	8	4	8	8	4	MAHARASHTRA DAY
Tuesday	9	5	9	9	5	
Wednesday	10	6	10	10	6	
Thursday	11	7	11	11	7	
Friday	12	8	12	12	8	PR EXAM STAMTS
Saturday	13	9	13	13	9	
Sunday	14	10	14	14	10	
Monday	15	11	15	15	11	
Tuesday	16	12	16	16	12	
Wednesday	17	13	17	17	13	DR. B.R. AMBekar Award
Thursday	18	14	18	18	14	
Friday	19	15	19	19	15	
Saturday	20	16	20	20	16	MSBTE EXAM ENDS
Sunday	21	17	21	21	17	
Monday	22	18	22	22	18	SUMMER INTERNSHIP STARTS
Tuesday	23	19	23	23	19	
Wednesday	24	20	24	24	20	
Thursday	25	21	25	25	21	
Friday	26	22	26	26	22	
Saturday	27	23	27	27	23	
Sunday	28	24	28	28	24	
Monday	29	25	29	29	25	
Tuesday	30	26	30	30	26	
Wednesday	31	27	31	31	27	
Thursday		28			28	
Friday		29			29	
Saturday		30			30	
Sunday		31			31	

Fig 2.2.3 : Departmental Academic Calendar

All calendars are communicated to students and staff at the beginning of the semester through notice boards and digital platforms.
 Implementation is monitored by the Head of Institute and Head of Department through regular academic reviews and audits. Deviations are addressed through corrective actions such as extra classes and rescheduling.
 The alignment of MSBTE, Institute, and Departmental academic calendars ensures systematic planning, effective implementation, continuous monitoring, and overall improvement in the quality of the teaching-learning process.

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

Institute Marks
2.00

Instructional Planning includes:

- Preparation of teaching and practical plans based on respective course curriculum.
- Development of course files including teaching plans, study materials, and assessment schemes.
- Planning of academic activities based on the academic calendar for timely completion of the curriculum and delivery to enhance the effectiveness of the teaching-learning process.

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION
TEACHING PLAN (TP)

Academic Year: 2024-25
Program: AETK
Semester: Second
Course: Manufacturing Technology
Name of Faculty: Ms. Shinde S.S.
Course Code: 312313

Chapter No. (Allocated Hrs)	CO	UO	Title/Details	Plan			Actual Execution				
				From	To	No. of Lect	From	To	No. of Lect	Teaching Method/Media	Remark
Unit - I Fundamentals of Lathe and drilling machines	1		TLO 1.1	15/12	5/1	8	15/12	22/1	09	Chalk & B.B.	Completed
			1.1 Basics of Machining: Single point cutting Tool and nomenclature, Mechanics of Chip formation, Types of Chips.								
			TLO 1.2								
			1.2 Lathe machine: Classification, specification of centre lathe; basic parts and accessories like chucks (three jaw, four jaw, and magnetic chuck), mandrels, rests, faceplate, centres and angle plate of centre lathe and their functions.								
			TLO 1.3								
1.3 Lathe operations: facing, plain turning, taper turning, thread cutting, chamfering, grooving, knurling and cutting parameters like speed, feed, depth of cut and machining time.											
TLO 1.4			1.4 Drill machine: Classification, specification of drilling machine. Basic parts of radial drilling machine, Sensitivity of drilling and their function								
TLO 1.5			1.5 Drilling machine operations: Drilling, reaming, boring, counter sinking, counter boring, spot facing and cutting parameters- speed, feed, depth of cut and machining time.								

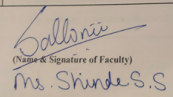

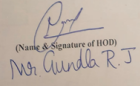




Fig.No.2.2.4. : Teaching Plan

Instructional Delivery Methods

The program employs a variety of instructional delivery methods to ensure effective teaching and holistic learning:

- **Traditional Chalk-and-Board Teaching** – Used for clear explanation of fundamental concepts.
- **ICT-Enabled Teaching** – Incorporation of Powerpoint presentations, videos, and smart classroom facilities to enhance engagement.
- **Practical Sessions and Laboratory Work** – Hands-on learning to strengthen application of theoretical knowledge
- **Guest Lectures, Workshops and Industrial visits** – Organized to provide industry exposure, professional skills and insights into current practices.
- **Projects and Practical Activities** – Students are encouraged to apply classroom learning to real-world problems, thereby enhancing understanding and skill development.

This integrated approach ensures that students gain both conceptual clarity and practical competence, aligning instructional delivery with the attainment of Course Outcomes (COs) and Program Outcomes (POs).

Student Engagement Practices

- **Interactive Teaching** – Lectures are conducted using questioning techniques to actively involve students and strengthen conceptual understanding.
- **Continuous Assessment** – Students receive regular, constructive feedback to support ongoing improvement in academic performance and skill development.
- **Lecture Method & Interactive Learning:** Chalk-board teaching supplemented with audio-visual aids; students encouraged to interact during lectures.
- **ICT-Enabled Teaching:** Use of PPTs, ASDC certifications and faculty websites hosting lecture notes.



Fig.No. 2.2.5. : Use of Smart boards

Table no. 2.2.1. : Staff Website

Sr. No	Name of Subject	Website Address	Name of Staff
1	Chemistry	www.mrunalinilakhe.wordpress.com	Dr. Lakhe M.C.
2	Mathematics	www.profsandeepghogare.wordpress.com	Mr. Ghogare S.P.
3	Chemistry	https://chemistryworld.netlify.app/	Ms Dahale A.A.
4	ACD, MPR	Sallonishinde.wordpress.com	Ms.Shinde S.S.
5	Automobile Engine, Automobile Transmission System	www.pnpramod87.wordpress.com	Mr.P.N.Suryawanshi

- **Workshops & Seminars:** Organized regularly to expose students to cutting-edge technologies and concepts beyond curriculum.



Fig.No.2.2.6.: Two wheeler Workshop

- **Industrial Visits:** Conducted in a semester to bridge the gap between industry and academia.
- **Guest Lectures:** Experts invited to deliver sessions on current trends and industry practices.
- **Remedial Classes:** Conducted for direct second year automobile engineering department students.
- **ASDC Certification:** Students register and complete the course for enhanced curriculum understanding and certification.



Fig.No.2.2.7.: ASDC certificate

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

Institute Marks

3.00

For identification of weak and bright students and various parameters for encouraging them is mentioned by the institute as per follow:

Parameters	Bright student identification	Weak student identification
Previous year results	Above 60%	Below 60% or A.T.K.T or Failed students
Unit test performance	Marks scored above threshold	Marks scored below threshold
	(Criteria for threshold is decided by respective course co-ordinator as per difficulty level of course)	
Classroom observation and participation in activities	Timely submission Active participation in technical activities	Moderate participation in classroom sessions as well as in practical sessions

- Methodologies to encourage bright students

1. Students are encouraged to attend training programs, expert lectures, and workshops for additional growth
2. Students are also motivated to participate in inter- institute project competition
3. Felicitated at Institute level in annual function

- Methodologies to support weak students.

1. Periodic session is given to the students having backlog subjects
2. Retest and assignments are taken as corrective actions for those failed in unit test and class test respectively
3. Special remedial sessions are arranged students with lateral entry and insufficient engineering knowledge.

D. Quality of classroom teaching (3)

Institute Marks

3.00

1. 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.
2. The course is delivered primarily through lectures supplemented with interactive discussions, ensuring effective attainment of defined Course Outcomes (COs).
3. Faculty adopt a variety of instructional methods and educational tools to enhance student learning, including:

- **Chalk and Talk** – Use of green board and chalk for concept explanation.
- **PowerPoint Presentations (PPTs)** – Structured visual delivery of course content on interactive panel like smart board
- **Educational Videos** – Screening of subject-related resources from platforms such as ASDC.
- **Assignments** – Practice through important questions to reinforce understanding.

- **Question Banks** – Chapter-wise compilation of questions for exam preparation and self-study.
- Faculties interact with student in the form of Q & A and peer discussion.
- Faculties demonstrates models and charts for better understanding of any certain topics.
- Faculties effectively implements experiential learning.
- Student center teaching methods such as collaborative learning, think -pair-share and problem based learning, helps to maintain the quality of classroom teaching.
- Faculty are encouraged to attend FDPs, workshops to continuously improve classroom teaching quality and effectiveness.

E. Conduct of experiments (3)

Institute Marks

3.00

- Laboratory courses are designed to ensure structured attainment of practical skills and course outcomes.
- Laboratory sessions are conducted as per the prescribed timetable and practical schedule .
- All laboratories are equipped with excellent facilities to conduct experiments effectively.
- Detailed instructional manuals are provided by MSBTE to ensure smooth conduction of practical sessions also faculties prepare a facilitator manual
- For the courses which are not provided with MSBTE manual, faculty prepares manual on their own and are then circulated to students
- As per MSBTE guidelines, marked practicals Laboratory Learning Outcome (LLO)are mandatory, and students must perform a minimum of 80% of the listed experiments
- Faculty explains objectives, procedures , safety procedures and expected outcomes before each experiment
- Demonstration of equipments and instruments is carried out prior to practical execution
- Students perform experiments individually or in batches under faculty supervision
- Practical session emphasize :
 1. Hands on learning
 2. Measurement and observation skills
 3. Trouble shooting techniques
 4. Results and Interpretation of results
- Laboratory records are maintained and verified regularly



Fig.No.2.2.8 : Students performing practicals

F. Continuous Assessment in the laboratory (3)

Institute Marks

3.00

As per the MSBTE Laboratory Manual, the institute has adopted a Continuous Assessment System (CAS) for evaluating student performance in practical sessions. The assessment framework is based on the CPA model along with process- and product-related parameters.

- C: Cognitive Domain – Knowledge, understanding, and retention of the experiment are assessed through 2-3 related questions. (Weightage: 4 marks)
 - P: Psychomotor Skill – Practical skills such as drawing, fitting, and performing are observed during hands-on sessions, supported by relevant questions. (Weightage: 4 marks)
 - A: Affective Domain – Attributes such as punctuality, timely submission, and neatness are evaluated. (Weightage: 2 marks)
1. Process-related Assessment (60%)
- Handling of the measuring instruments
 - Observations/ Calculations of Final readings
2. Product-related Assessment (40%)
- Interpretation of Result
 - Conclusions
 - Practical related questions

Note: The distribution of marks may vary depending on the specific instructions provided in the MSBTE laboratory manual.

(XV) References for Further Reading
 Animated mechanisms: <https://www.mekanizmalar.com>

(XVI) Assessment Scheme

Performance Indicators		Weightage
Process related (10 Marks)		40%
1	Handling of the measuring Instruments	30%
2	Calculation of final readings	10%
Product related (15 Marks)		60%
3	Interpretation of result	20%
4	Conclusions	20%
5	Practical related questions	20%
Total (50 Marks)		100%

Name of student Team Members
 (1) am shinde (2) Rehan Mulani
 (3) Rushikesh Nagade

Marks Obtained			Dated signature of Teacher
Process Related (10)	Product Related (15)	Total (25)	
10	13	23	<u>MN</u> 11/09/2025

Maharashtra State Board of Technical Education (MSBTE 'K' Scheme – Semester 3 & 4)

Fig.No.2.2.9. : Continous assessment performance indicators

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

Institute Marks
6.00

- Feedback is collected twice during the semester
- The first feedback is taken a few weeks after the commencement of the semester, while the second feedback is collected at the end of the semester.
- The second feedback helps us understand the effectiveness of any actions taken based on the initial feedback.

Following points are considered while taking feedback:

- Punctuality and Discipline
- Domain Knowledge
- Presentation skill and interaction with student
- Ability to resolve difficulties
- Effective use of technical aids
- Whether faculty has taken chapter wise tests effectively and strictly

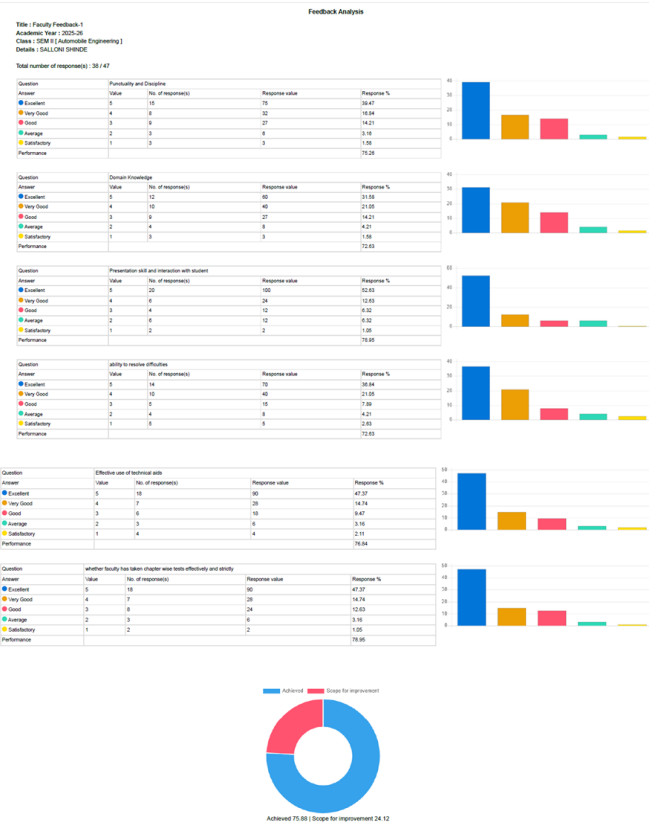
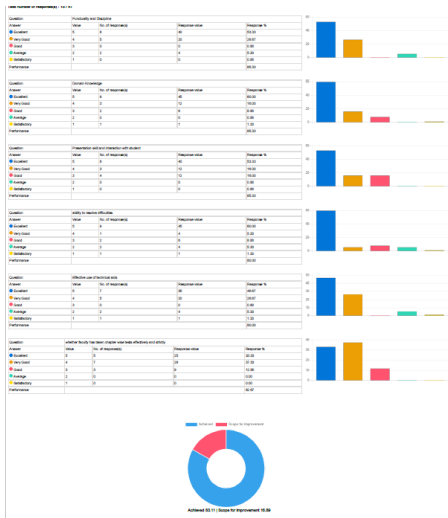


Fig.No.2.2.10. : Faculty feedback -I

Feedback Analysis and Reporting:

The coordinator systematically collects and analyses student feedback to evaluate teaching effectiveness. A feedback analysis report is prepared and submitted to the Head of Department (HOD) for corrective actions. The feedback form consists of five rating options — Excellent, Very Good, Good, Average, and Satisfactory — with each parameter assessed on a 1 to 5 scale. This structured process ensures transparency, identifies strengths and areas for improvement, and supports continuous enhancement of teaching-learning quality.

Action taken: A department-level meeting is conducted to review the feedback. The Head of Department (HOD), in consultation with all faculty members, decides the plan of action based on the analysis. Corrective actions are implemented for faculty members with performance below 70%, as identified through the feedback. The effectiveness of these corrective measures is reflected in the subsequent cycle of the feedback system.



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

- As per the MSBTE academic calendar, the Examination Department issues the notice for the class test time table and preparation of question paper.

Sl. No.	Date	Time	Department	Subject
1	08-03-2023	09:30 - 10:30 am	Department of Applied Electronics & Instrumentation Engineering	Applied Electronics & Instrumentation Engineering
2	08-03-2023	12:45 - 2:15 pm	Department of Applied Electronics & Instrumentation Engineering	Applied Electronics & Instrumentation Engineering
3	01-04-2023	09:30 - 10:30 am	Department of Applied Electronics & Instrumentation Engineering	Applied Electronics & Instrumentation Engineering
4	01-04-2023	12:45 - 2:15 pm	Department of Applied Electronics & Instrumentation Engineering	Applied Electronics & Instrumentation Engineering
5	01-04-2023	09:30 - 10:30 am	Department of Applied Electronics & Instrumentation Engineering	Applied Electronics & Instrumentation Engineering
6	01-04-2023	09:30 - 10:30 am	Department of Applied Electronics & Instrumentation Engineering	Applied Electronics & Instrumentation Engineering

Fig.No.2.2.2.1.: Time table

- The Head of Department (HOD) issues a formal notice for moderation.
- This ensures transparency and compliance with academic standards.

Marathwada Mitra Mandal's Polytechnic
 The City of Education, Thergaon, Pune-411005
 Phone: 020-26121111, 26121112, 26121113, 26121114, 26121115, 26121116, 26121117, 26121118, 26121119, 26121120, 26121121, 26121122, 26121123, 26121124, 26121125, 26121126, 26121127, 26121128, 26121129, 26121130, 26121131, 26121132, 26121133, 26121134, 26121135, 26121136, 26121137, 26121138, 26121139, 26121140, 26121141, 26121142, 26121143, 26121144, 26121145, 26121146, 26121147, 26121148, 26121149, 26121150, 26121151, 26121152, 26121153, 26121154, 26121155, 26121156, 26121157, 26121158, 26121159, 26121160, 26121161, 26121162, 26121163, 26121164, 26121165, 26121166, 26121167, 26121168, 26121169, 26121170, 26121171, 26121172, 26121173, 26121174, 26121175, 26121176, 26121177, 26121178, 26121179, 26121180, 26121181, 26121182, 26121183, 26121184, 26121185, 26121186, 26121187, 26121188, 26121189, 26121190, 26121191, 26121192, 26121193, 26121194, 26121195, 26121196, 26121197, 26121198, 26121199, 26121200

OFFICE ORDER

Conductance

1. The Course Coordinator has initiated the process of question paper setting.

2. A Question Paper Profile is prepared, which includes:

- Unit-wise weightage
- Question-wise distribution aligned with Course Outcomes (COs)

3. Marks are distributed based on cognitive criteria:

- Remember
- Understand
- Apply

4. The course co-ordinator decides the percentage allocation for each criterion. Allocation depends on the nature of questions mapped to respective COs.

5. Course Outcomes (COs) are clearly mentioned in question paper profile.

6. The level of each CO for specific questions is indicated unit-wise.

7. Based on the Question Paper Profile the course co-ordinator prepares the question paper.

8. Questions are framed in accordance with Bloom's Taxonomy levels to ensure proper cognitive alignment.

Details of Courses

Sl. No.	Course Name	Program	Semester	Class Test Weightage	Q1	Q2	Q3	Total
1	Automobile Engineering	AE4K	Sixth	12	08	06	04	18
2	Automobile Component Design	AE4K	Sixth	10	04	06	08	15
3	Automobile Electrical System	AE4K	Sixth	08	02	03	04	12
4	Automobile Mechanical System	AE4K	Sixth	08	02	03	04	12
5	Automobile Instrumentation	AE4K	Sixth	08	02	03	04	12
6	Automobile Maintenance	AE4K	Sixth	08	02	03	04	12
7	Automobile Safety	AE4K	Sixth	08	02	03	04	12
8	Automobile Pollution Control	AE4K	Sixth	08	02	03	04	12
9	Automobile Emission Control	AE4K	Sixth	08	02	03	04	12
10	Automobile Noise Control	AE4K	Sixth	08	02	03	04	12
11	Automobile Fuel System	AE4K	Sixth	08	02	03	04	12
12	Automobile Lubrication System	AE4K	Sixth	08	02	03	04	12
13	Automobile Cooling System	AE4K	Sixth	08	02	03	04	12
14	Automobile Braking System	AE4K	Sixth	08	02	03	04	12
15	Automobile Steering System	AE4K	Sixth	08	02	03	04	12
16	Automobile Suspension System	AE4K	Sixth	08	02	03	04	12
17	Automobile Drivetrain System	AE4K	Sixth	08	02	03	04	12
18	Automobile Powertrain System	AE4K	Sixth	08	02	03	04	12
19	Automobile Exhaust System	AE4K	Sixth	08	02	03	04	12
20	Automobile Air Intake System	AE4K	Sixth	08	02	03	04	12
21	Automobile Fuel Injection System	AE4K	Sixth	08	02	03	04	12
22	Automobile Ignition System	AE4K	Sixth	08	02	03	04	12
23	Automobile Timing System	AE4K	Sixth	08	02	03	04	12
24	Automobile Valve Train System	AE4K	Sixth	08	02	03	04	12
25	Automobile Piston and Crank System	AE4K	Sixth	08	02	03	04	12
26	Automobile Camshaft System	AE4K	Sixth	08	02	03	04	12
27	Automobile Connecting Rod System	AE4K	Sixth	08	02	03	04	12
28	Automobile Flywheel System	AE4K	Sixth	08	02	03	04	12
29	Automobile Clutch System	AE4K	Sixth	08	02	03	04	12
30	Automobile Gearbox System	AE4K	Sixth	08	02	03	04	12
31	Automobile Differential System	AE4K	Sixth	08	02	03	04	12
32	Automobile Axle System	AE4K	Sixth	08	02	03	04	12
33	Automobile Wheel System	AE4K	Sixth	08	02	03	04	12
34	Automobile Tire System	AE4K	Sixth	08	02	03	04	12
35	Automobile Suspension System	AE4K	Sixth	08	02	03	04	12
36	Automobile Steering System	AE4K	Sixth	08	02	03	04	12
37	Automobile Braking System	AE4K	Sixth	08	02	03	04	12
38	Automobile Powertrain System	AE4K	Sixth	08	02	03	04	12
39	Automobile Exhaust System	AE4K	Sixth	08	02	03	04	12
40	Automobile Air Intake System	AE4K	Sixth	08	02	03	04	12
41	Automobile Fuel Injection System	AE4K	Sixth	08	02	03	04	12
42	Automobile Ignition System	AE4K	Sixth	08	02	03	04	12
43	Automobile Timing System	AE4K	Sixth	08	02	03	04	12
44	Automobile Valve Train System	AE4K	Sixth	08	02	03	04	12
45	Automobile Piston and Crank System	AE4K	Sixth	08	02	03	04	12
46	Automobile Camshaft System	AE4K	Sixth	08	02	03	04	12
47	Automobile Connecting Rod System	AE4K	Sixth	08	02	03	04	12
48	Automobile Flywheel System	AE4K	Sixth	08	02	03	04	12
49	Automobile Clutch System	AE4K	Sixth	08	02	03	04	12
50	Automobile Gearbox System	AE4K	Sixth	08	02	03	04	12
51	Automobile Differential System	AE4K	Sixth	08	02	03	04	12
52	Automobile Axle System	AE4K	Sixth	08	02	03	04	12
53	Automobile Wheel System	AE4K	Sixth	08	02	03	04	12
54	Automobile Tire System	AE4K	Sixth	08	02	03	04	12
55	Automobile Suspension System	AE4K	Sixth	08	02	03	04	12
56	Automobile Steering System	AE4K	Sixth	08	02	03	04	12
57	Automobile Braking System	AE4K	Sixth	08	02	03	04	12
58	Automobile Powertrain System	AE4K	Sixth	08	02	03	04	12
59	Automobile Exhaust System	AE4K	Sixth	08	02	03	04	12
60	Automobile Air Intake System	AE4K	Sixth	08	02	03	04	12
61	Automobile Fuel Injection System	AE4K	Sixth	08	02	03	04	12
62	Automobile Ignition System	AE4K	Sixth	08	02	03	04	12
63	Automobile Timing System	AE4K	Sixth	08	02	03	04	12
64	Automobile Valve Train System	AE4K	Sixth	08	02	03	04	12
65	Automobile Piston and Crank System	AE4K	Sixth	08	02	03	04	12
66	Automobile Camshaft System	AE4K	Sixth	08	02	03	04	12
67	Automobile Connecting Rod System	AE4K	Sixth	08	02	03	04	12
68	Automobile Flywheel System	AE4K	Sixth	08	02	03	04	12
69	Automobile Clutch System	AE4K	Sixth	08	02	03	04	12
70	Automobile Gearbox System	AE4K	Sixth	08	02	03	04	12
71	Automobile Differential System	AE4K	Sixth	08	02	03	04	12
72	Automobile Axle System	AE4K	Sixth	08	02	03	04	12
73	Automobile Wheel System	AE4K	Sixth	08	02	03	04	12
74	Automobile Tire System	AE4K	Sixth	08	02	03	04	12
75	Automobile Suspension System	AE4K	Sixth	08	02	03	04	12
76	Automobile Steering System	AE4K	Sixth	08	02	03	04	12
77	Automobile Braking System	AE4K	Sixth	08	02	03	04	12
78	Automobile Powertrain System	AE4K	Sixth	08	02	03	04	12
79	Automobile Exhaust System	AE4K	Sixth	08	02	03	04	12
80	Automobile Air Intake System	AE4K	Sixth	08	02	03	04	12
81	Automobile Fuel Injection System	AE4K	Sixth	08	02	03	04	12
82	Automobile Ignition System	AE4K	Sixth	08	02	03	04	12
83	Automobile Timing System	AE4K	Sixth	08	02	03	04	12
84	Automobile Valve Train System	AE4K	Sixth	08	02	03	04	12
85	Automobile Piston and Crank System	AE4K	Sixth	08	02	03	04	12
86	Automobile Camshaft System	AE4K	Sixth	08	02	03	04	12
87	Automobile Connecting Rod System	AE4K	Sixth	08	02	03	04	12
88	Automobile Flywheel System	AE4K	Sixth	08	02	03	04	12
89	Automobile Clutch System	AE4K	Sixth	08	02	03	04	12
90	Automobile Gearbox System	AE4K	Sixth	08	02	03	04	12
91	Automobile Differential System	AE4K	Sixth	08	02	03	04	12
92	Automobile Axle System	AE4K	Sixth	08	02	03	04	12
93	Automobile Wheel System	AE4K	Sixth	08	02	03	04	12
94	Automobile Tire System	AE4K	Sixth	08	02	03	04	12
95	Automobile Suspension System	AE4K	Sixth	08	02	03	04	12
96	Automobile Steering System	AE4K	Sixth	08	02	03	04	12
97	Automobile Braking System	AE4K	Sixth	08	02	03	04	12
98	Automobile Powertrain System	AE4K	Sixth	08	02	03	04	12
99	Automobile Exhaust System	AE4K	Sixth	08	02	03	04	12
100	Automobile Air Intake System	AE4K	Sixth	08	02	03	04	12

Fig.No.2.2.2.2. : Moderation Order

- The Course Coordinator initiates the process of question paper setting.
- A Question Paper Profile is prepared, which includes:
 - Unit-wise weightage
 - Question-wise distribution aligned with Course Outcomes (COs)
- Marks are distributed based on cognitive criteria:
 - Remember
 - Understand
 - Apply
- The course co-ordinator decides the percentage allocation for each criterion. Allocation depends on the nature of questions mapped to respective COs.
- Course Outcomes (COs) are clearly mentioned in question paper profile.
- The level of each CO for specific questions is indicated unit-wise.
- Based on the Question Paper Profile the course co-ordinator prepares the question paper.
- Questions are framed in accordance with Bloom's Taxonomy levels to ensure proper cognitive alignment

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

QUESTION PAPER PROFILE (CT-1)

Program Name: Automobile Engineering
 Semester: Sixth
 Course: AUTOMOBILE COMPONENT DESIGN
 Marks: 30

Program Code: AE4K
 Course Code: 316346
 Date: 04-02-26
 Duration: 1.30 hour

Unit No.	Syllabus Marks	Class test Weightage	Class test Weightage X1.5	Q1	Q2	Q3	Total
1	16	12	18	08	06	04	18
2	12	10	15	04	06	08	15
3	16	08	12	02	03	04	12
Total	44	30	45	14	15	16	45

CRITERIAWISE MARK DISTRIBUTION

Unit NO.	Class Test weightage X 1.5	Remember	Understand	Apply & Above	Total
		20%	40%	40%	
1	18	06	12	12	18
2	15	4	11	10	15
3	12	2	10	10	12
Total	45	14	15	16	45

Signature: *Salloni*
 Course Co-ordinator

Signature: *Chod*
 HOD

Fig.No.2.2.2.3. : Question Paper Profile

- The Moderator reviews the question paper to confirm:
 - Proper mapping with Course Outcomes (COs).
 - Compliance with Bloom's Taxonomy levels.
- Each parameter is graded on a three-point scale:
 - Average → 1 mark
 - Good → 2 marks
 - Excellent → 3 marks
- The evaluation score is calculated based on the grading.
- If the score is below 60%, the paper is deemed unsatisfactory and returned for revision.
- The Moderator may provide remarks and suggestions for improvement.
- The process is repeated until:
 - Full compliance is achieved.
 - The evaluation score is above 80%.
- Once moderation is completed, the revised question paper is submitted to the HOD

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: Automobile Engineering Program Code: AE6K
Semester: S Course: Automobile Component Design Course Code: 316346

Sl. 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 (Bloom's mention)?			03
2	Instructions	Does the question specify a particular task through the instructions?			03
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?	02		
4	Content	Does the question cover the required curriculum?	02		03
5	Form of Question	Is the form of question sufficient for testing the abilities in student?			03
6	Language	Is the framed question Clear, Precise and Unambiguous, well within the comprehension of the students?	02		
7	Difficulty Level	Is the question framed keeping in view the level the students for whom it is meant?			03
8	Discriminating Power	Does the question discriminate between bright students and others?	02		
Total					21

Note: 1. If the evaluation is less than 60% then the quality of the paper is not acceptable, hence revise the paper and re-evaluate.
2. If evaluation is between 60%-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 set upon expert remarks if any.
4. This evaluation sheet is not applicable to multiple choice question paper.

Expert Remark (if any):

Signature: [Signature]
Expert Name: [Name]

Fig.No.2.2.2.4 : Moderation sheet

- The HOD conducts a final verification to ensure:
 - i. Alignment with academic standards.
 - ii. Adherence to institutional and regulatory guidelines.
- Only after HOD approval is the question paper considered final for examination use.

Roll No. [] [] [] [] [] [] Course code: **316346**

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

Class Test-I

Program Name: **Automobile Engineering** Program Code: **AE6K**
Semester: **Sixth**
Course: **AUTOMOBILE COMPONENT DESIGN** Date: **04-02-2026**
Marks: **30** Duration: **1.30 Hr.**

Instructions:

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

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

- List different modes of failure (CO1)
- Write torsional equation and state meaning of each term (CO2)
- Define ergonomics (CO1)
- Define design for manufacturing (CO1)
- State function of the rod (CO1)
- Define normal and shear stress (CO2)
- Define aesthetics and state its considerations (CO1)

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

- Explain any 3 basic requirements of automobile components (CO1)
- Define Factor of safety and state criteria for selection of it (CO2)
- Select materials for friction liners of clutch and justify your answer (CO3)
- Discuss preferred numbers (CO1)
- A single plate clutch with both sides effective, has outer and inner diameter 300mm and 200mm respectively. The maximum intensity of pressure at any point in contact surface is not to exceed 0.1 N/mm². If coefficient of friction is 0.3, determine power transmitted by a clutch at a speed of 2500 rpm. (CO3)

Q.3) Attempt any TWO of the following **08 Marks**

- Explain endurance limit and draw S-N curve (CO2)
- Explain basic automobile component design procedure (CO1)
- Design threaded joint in the rod (CO3)
- Explain stress concentration and its causes with any 2 remedies (CO2)

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

Fig.No.2.2.2.5 : Class Test Paper

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 MITRAMANDAL'S POLYTECHNIC,
 THERGAON, PUNE-33
 Academic Year 2025-2026
Course Outcomes (CT-1)

Program Name: Automobile Engineering Program Code: AE6K
 Semester: Sixth Date: - 04-02-26
 Course: AUTOMOBILE COMPONENT DESIGN Course Code:- 316346
 Marks: 30 Duration:- 1.30 Hr

The student will be able to:

CO No.	Course Outcome
AE6K02:1	Apply fundamental design principles and methodologies to design automotive components
AE6K02:2	Determine stresses in automobile components under various loading conditions
AE6K02:3	Design automotive chassis components
AE6K02:4	Design automotive engine components
AE6K02:5	Design simple axles using available data.

Question No.	Sub-Question	Unit/Topic	Marks	Level	CO
1	a	I	2	L1	AE6K02:1
	b	II	2	L1	AE6K02:2
	c	I	2	L1	AE6K02:1
	d	I	2	L1	AE6K02:1
	e	III	2	L1	AE6K02:3
	f	II	2	L1	AE6K02:2
	g	I	2	L1	AE6K02:1
2	a	I	3	L2	AE6K02:1
	b	II	3	L2	AE6K02:2
	c	III	3	L3	AE6K02:3
	d	I	3	L2	AE6K02:1
	e	III	3	L3	AE6K02:3
3	a	II	4	L2	AE6K02:2
	b	I	4	L2	AE6K02:1
	c	III	4	L3	AE6K02:3
	d	II	4	L2	AE6K02:2

CO's	AE6K2:1	AE6K2:2	AE6K2:3	AE213:4	AE213:5
	16	12			

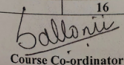
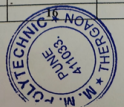

 Course Co-ordinator

 MOD

Fig.No.2.2.2.6.:

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

Institute Marks
5.00

Table No. 2.2.2.1. : Cos coverage assessment tools

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. <input type="text"/>	Course code:312313
 MARATHWADA MITRA MANDAL'S POLYTECHNIC, THERGAMON, PUNE-43 Academic Year 2025-2026	
Unit Test-II	
Program Name: Automobile Engineering	Course: MPE
Course Code: 312313	
Semester: II	
Date:02/02/2026	Duration: 1 Hr
Marks: 20	
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 THREE of the following	04Marks
a. State any two types of milling operations	
b. Define indexing and list any two methods of indexing	
c. Classify milling machines	
d. State function of dividing head	
Q-2) Attempt any FOUR	16 Marks
a. Explain working principle of milling machine with neat sketch.	
b. Summarize main parts of vertical milling machine & draw neat sketch	
c. Differentiate between up milling and down milling	
d. Explain any four types of milling cutters	
e. Explain Differential indexing in detail	
f. Explain construction and working of plain milling machine	
	
..... Best of Luck	

Fig.No.2.2.2.7. :Sample Unit test format

Manufacturing Technology

ASSIGNMENT NO.1

Q1. Define following terms: (2m) (CO1)

1. Metal cutting process
2. Metal Machining operation
3. Chip forming process

Q2. Write classification of cutting tools (2m) (CO1)

Q3. With proper diagram explain nomenclature of single point cutting tool (6m) (CO1)

Q4. Explain types of chips with proper diagram (6m) (CO1)

Q5. Draw proper diagram of lathe illustrating all parts (6m) (CO1)

Q6. Write Functions of: (2m each) (CO1)

1. Headstock
2. Tailstock
3. Carriage

Q7. Explain any 5 operations performed on lathe (2m each) (CO1)

Q8. Give classification of drilling machine (2m) (CO1)

Q9. Write proper diagram explain sensitive drilling machine (4m) (CO1)

Q10. Define cutting parameters of drilling like cutting speed, feed and depth of cut (2m each) (CO1)

Fig.No.2.2.2.8. : Sample Assignment format

2.2.3 Quality of Experiments (15)

Institute Marks

13.00

A. Experimental methodologies (5)

Institute Marks

4.00

- Initially practical plan is prepared for all experiments mentioned in the curriculum. Experiments are mapped with COs and POs ensuring outcome of the course.
- Prior to conduction of practicals, faculty explains practical significance to students. Following this, Industry expected outcomes, Course level learning outcomes, LLOs are also explained
- Theoretical background as well as practical setup and required equipments/apparatus are introduced to students
- Students are made aware of the precautions necessary to be followed
- The actual procedure for performing the practical is then implemented and observations are taken
- Relevant to the observations, results are interpreted following with tables, graphs if required
- For better understanding, students are made to write answers of practical related questions
- Eventually, assessment of the practical is done on the day informed by the course co-ordinator

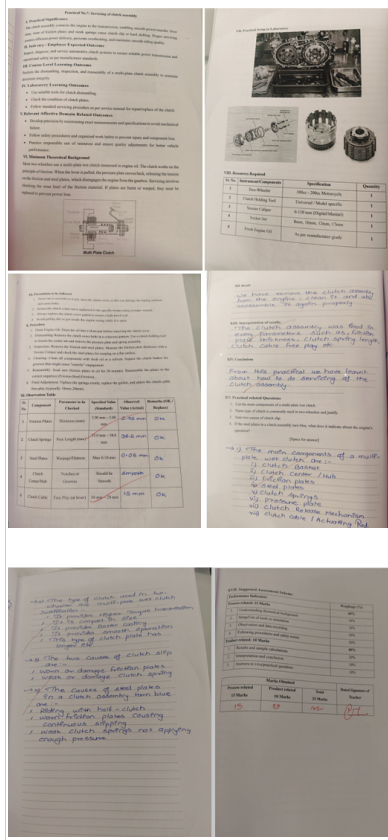


Fig.No. 2.2.3.1 : Sample of experiment

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

Institute Marks

4.00

Sr.No	Course	Name of experiment	Innovative approach
1	Advanced Engine Technologies	Condition monitoring of combustion chamber of a multicylinder S.I / C.I. Engine Condition monitoring of combustion chamber of a multicylinder S.I / C.I. Engine	Use of AR/VR for demonstration
2	Mechanical Measurements	Measurement of unknown angle of a component using Bevel Protractor and verification by Sine bar.	Use of Mech Simulator https://mechsimulator.com/tools/bevel-protractor/
3	Strength of Materials	<ul style="list-style-type: none"> Izod Impact test on any two metals like mild steel/ brass/ aluminum/ copper / cast iron etc. as per IS:1598 Charpy Impact test on two metals like mild steel/ brass/ aluminum/ copper / cast iron etc. as per IS:1757 	Use of Mech Simulator https://mechsimulator.com/tools/impact-testing/



Fig.No.2.2.3.2 : Demonstration of practicals using AR/VR

C. Relevance to outcomes (5)

Institute Marks

5.00

MSBTE provides the relevant CO for that particular experiment in syllabus itself so on basis of it the experimentation is done by giving specific topic information, tools used and method to be carried out.

AUTOMOBILE COMPONENT DESIGN		Course Code : 316346		
Practical / Tutorial / Laboratory Learning Outcome (LLO)	Sr No	Laboratory Experiment / Practical Titles / Tutorial Titles	Number of hrs.	Relevant COs
LLO 1.1 Find a feasible solution to resolve manufacturing and assembly issues using 'Concurrent Engineering'	1	*Concurrent Engineering for designing automobile components.	2	CO1
LLO 2.1 Select suitable material for automobile component based on environmental aspects.	2	Environmental considerations in component design.	2	CO1
LLO 3.1 Select an automobile component based on ergonomic and aesthetic considerations as per requirement.	3	Aesthetic and Ergonomic design considerations in automobile components.	2	CO1
LLO 3.3 Analyze shape, size and color of selected component with respect to ergonomics and aesthetics.	3			
LLO 4.1 Find a feasible solution to reduce stress concentration in the engine/chassis components such as crank, connecting rod, chassis frame, leaf spring, axles, etc.	4	*Stress concentration in the automobile components.	2	CO2
LLO 5.1 Identify material used in manufacturing of automobile components such as crank, connecting rod, chassis frame, leaf spring, axles, etc. (Any four) referring design data book.	5	*Automobile component materials.	2	CO1 CO2
LLO 5.2 Specify material properties for components given in LLO 5.1 with relevant justification.	5			
LLO 6.1 Measure dimensions of given propeller shaft and Universal coupling.	6	*Propeller shaft and universal coupling design.	6	CO3
LLO 6.2 Select relevant materials from design data book.	6			
LLO 6.3 Select relevant design procedure.	6			
LLO 6.4 Calculate dimensions.	6			
LLO 6.5 Modify dimensions.	6			
LLO 6.6 Prepare CAD drawing.	6			
LLO 7.1 Measure dimensions of given piston.	7	*Piston design.	6	CO4
LLO 7.2 Select relevant materials from design data book.	7			
LLO 7.3 Select relevant design procedure.	7			
LLO 7.4 Calculate dimensions.	7			
LLO 7.5 Modify dimensions.	7			
LLO 7.6 Prepare CAD drawing.	7			
LLO 8.1 Measure dimensions of given front axle beam.	8	Front axle design.	4	CO5
LLO 8.2 Select relevant materials from design data book.	8			
LLO 8.3 Select relevant design procedure.	8			
LLO 8.4 Calculate dimensions of I section.	8			
LLO 8.5 Modify dimensions for preparation of drawing.	8			
LLO 9.1 Measure dimensions of given rear axle beam.	9	*Rear axle design.	4	CO5
LLO 9.2 Select relevant materials from design data book.	9			
LLO 9.3 Select relevant design procedure.	9			
LLO 9.4 Calculate the dimensions of the section.	9			
LLO 9.5 Modify the dimensions for preparation of drawing.	9			

Fig.No. 2.2.3.3. Relevance to CO

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

2.00

- From the provided Capstone Project curriculum as per MSBTE, the part related to "Identification of Projects and Allocation Methodology" is described mainly under General Guidelines for Project Work and partly in facilitation guidelines

1. Identification of Projects:

Projects are identified based on the following points:

- The project must be related to the programme or can be interdisciplinary.
- It should be based on real-world/ industry problems, typically not expected study type.
- Students should choose project topics based on their interests, strengths, and aptitude.
- Projects should align with industry expected outcomes and national thrust areas such as:
 - Environment
 - Automation
 - Digitization
 - Sustainability
- The problem must be realistic, and actual data should be used (no hypothetical data)

2. Allocation Methodology

The allocation of projects is done as follows:

- Project titles are finalized in consultation with the faculty mentors.
- Students are grouped in teams of 3-4 members.
- Faculty may assign specific roles within the team, such as:
 - Literature survey / data collection
 - Data analysis
 - Design / model / prototype development
 - Testing
 - Project management
- Each group is assigned one faculty mentor for guidance.
- The mentor acts as a guide and facilitator, not someone who gives step-by-step solutions (to encourage creativity).
- Projects may also be industry-sponsored, if available.

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

Institute Marks

5.00

CAY 2025-26													
S r. n o.	Name of project	Name of project guide	Category of Project	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
1	Car bus diagnosis tool	Mr.P.N. Suryawanshi	Working	3	3	2	3	2	2	2	3	3	2
2	Multilevel Drowsiness Alert System	Mr. R.J. Gundla	Working	3	3	3	3	3	2	2	2	3	2

CAY 2024-25													
S r. n o.	Name of project	Name of project guide	Category of project	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
1	Design a Door Panel in CATIA V5	Mr.D.R. Valvi	Industry Sponsored	3	2	3	2	2	2	2	2	3	2
2	Manual Chain Lubrication System	Mrs. S.A. Nadimetha	Application	2	2	3	2	3	2	2	3	2	2
3	Vehicle to Vehicle Communication System	Mr.S.S. Shinde	Application	3	3	3	3	3	2	3	2	3	3
4	Front-Rear Interconnected Suspension system	Mr. R.J.Gundla	Application	3	3	3	3	3	2	2	3	2	2
5	Automatic Bike Side stand slider	Ms.M.M. Herlekar	Working	2	2	3	2	3	2	2	3	2	3

CAY 2023-24													
S r. n o.	Name of project	Name of project Guide	Category of Project	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
1	Automatic horn control by using proximity sensor	Mr. R.J. Gundla	Working	2	3	3	3	3	2	2	2	3	2
2	Production of Biodiesel from waste-cooking oil	Ms.M.M. Herlekar	Application	3	3	2	3	3	2	3	2	2	3
3	Design and study of Two speed epicyclic gearbox for EV	Mr.D.R. Valvi	Application	3	3	3	3	3	2	3	3	3	3
4	Trucks Cabin locking system	Mr. N. R. Bgale	Application	2	2	3	2	3	2	2	3	2	3

C. Process for monitoring and evaluation (5)

Institute Marks

5.00

Table No. 2.2.4.1 : Process for monitoring and evaluation

Monitoring Process	Monitoring is done continuously throughout the project using a planned action schedule and milestones. Students must maintain a project diary (daily/weekly) recording activities, progress, and outcomes.
	The faculty mentor checks the diary weekly, reviews progress, provides feedback, and guides students accordingly.
	Regular interaction between students and mentor ensures proper tracking of progress and timely completion of tasks.
	Monitoring also includes checking data collection, implementation stages, and achievement of milestones as per the action plan.
Evaluation Process	Evaluation is carried out using Formative Assessment (FA) and Summative Assessment (SA).
	Formative Assessment (50 marks) is done during project execution based on progress, design, data collection, and report writing.
	Summative Assessment (50 marks) is conducted at the end by faculty mentor and external examiner, focusing on completion, design, solution, report, and presentation.
	Self-learning assessment (50 marks) is also included to evaluate student's independent learning and skill development

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

Institute Marks

5.00

Table No. 2.2.4.2 : Process to assess individual and team performance

Assessment of Team Performance	<p>Team performance is evaluated using rubrics such as:</p> <ul style="list-style-type: none"> Project selection and problem definition Literature survey and data collection Design and execution of project Stage-wise progress Quality of report writing <p>Emphasis is given to teamwork, collaboration, and collective contribution in completing the project.</p>
Assessment of Individual Performance	<p>Individual assessment is done separately based on:</p> <ul style="list-style-type: none"> Contribution as a team member Depth of knowledge Presentation skill

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Maharashtra State Board of Technical Education
SELF LEARNING ASSESSMENT (SLA)

Institute Code and Name : 0989 - Marathwada Mitra Mandali's Polytechnic, Pune
 Academic Year: 2025-26
 Program: Automobile
 Semester: VI
 Exams: Winter (2024)
 Course: CAPSTONE PROJECT
 Course Code: 31504

Roll No.	Enrollment No.	Exam Seat No.	Name of the student	Merge project / Assignment / Activities for specific learning skills development Marks (Project)						SLA Marks according to L - A Scheme (Max. Marks: 50)	Signature of Student
				Project Selection	Design / Execution	Stage-wise Progress	Quality of Report Writing	Teamwork	Individual Contribution		
1	2	3	4	5	6	7	8	9	10	11	
220114	2209890014	226271	GHAROLE VISHNU KASHINATH	8	8	9	9	8	42	<i>[Signature]</i>	
220149	2209890049	226272	SURWADE SUMIT SUDHAKAR	9	7	7	8	8	39	<i>[Signature]</i>	
230108	23212280008	226273	BIRAJDAR PRANIT GOVIND	9	8	8	8	9	42	<i>[Signature]</i>	
230111	23212280011	226274	DANDE ANANT UMESH	7	9	9	7	9	41	<i>[Signature]</i>	
240165	24212280467	226275	BALSARAF OMKAR NARAYAN	8	7	7	8	9	39	<i>[Signature]</i>	
240167	24212280469	226276	BOBADE BALAJI BAPU	6	7	7	9	7	36	<i>[Signature]</i>	
240170	24212280471	226277	SAMAGE SHUBHAM BHAUSAHEB	8	8	8	8	8	40	<i>[Signature]</i>	
240171	24212280472	226278	UBALE OMKAR JOTIRAM	8	8	8	8	8	40	<i>[Signature]</i>	
240172	24212280473	226279	WABALE ADITYA CHANDRASHEKHAR	9	9	9	9	9	45	<i>[Signature]</i>	

(Name & Signature of Faculty)
[Signature]



(Name & Signature of HOD)
[Signature]

5	Akip Shaikh	Project competition – Technofest 2K25	15/02/2025	Winner
6	Priyanka Gawade	Project competition – Technofest 2K25	15/02/2025	Winner

2.2.5 Industry Interaction and Industry Internship/Training (30)

Institute Marks
30.00

A. Industry supported Labs (2)

Institute Marks
2.00

Table No. 2.2.5.1. : Industry Support Laboratories

Sr. No	Name of Industry Supported Laboratories	Area Of Collaboration	Date Of Collaboration
1	VG-TAP	Vehicle maintenance- service sector	7 th December 2010
2	Envalior India Pvt Ltd	Centre Of Excellence in EV Technology	4 th November 2025
3	Cimatron (Part of Sandvik Group)	Centre of Excellence (CoE) for Mold & Die- Design & Manufacturing	30 th April 2026

1. 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.



Fig No. 2.2.5.1. : VG-TAP centre

It is a tie up between VGSIP & DEG, Germany through VG - TAP, VGSIP - DEG support:

- Providing framework training infrastructure,
- Providing aggregates, sub-assemblies and components of latest automotive technologies,
- Training instructors
- Training of students.

2. Envallior India Pvt Ltd., Ranjangaon, Pune - Centre Of Excellence in EV Technology:

Envallior India Pvt. Ltd., Ranjangaon, is a reputed multinational company engaged in advanced materials and innovative engineering solutions for the automotive and mobility sector. 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 Envallior student-Industry outreach Initiative". Currently, the work of setting up of the centre is under progress and expected to be complete by July 2026. Under this initiative, students from Marathwada Mitra Mandal's Polytechnic 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. The Centre will deliver industry-endorsed skilling programmes such as Electric Vehicle Service Technician, EV Assembly Technician, and EV Assembly Operator. Assessments will be conducted by approved Sector Skill Council (SSC)/NSDC agencies, ensuring national standards and 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 Envallior. 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.

3. Cimatron (Part of Sandvik Group)

With the aim to enhance students' practical knowledge and bridge the gap between industry requirements and academic learning in the domain of Mold & Die Design and Manufacturing an MoU was signed between Marathwada Mitramandals Polytechnic and Cimatron (Part of Sandvik Group).

The MoU focuses on:

- Essential technical skill sets required for students
- Importance of industry-aligned training in engineering education
- Training to faculties

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

Institute Marks
5.00

CAY 2025-26

Sr. No	Date	Name of course	Name Of Guest/Experts	No of Beneficiary	Mapping with PO and PSO
1	26-07-2025	Constitution and Preamble	Adv. Ganesh Kokate	31	PO1, PO5
2	13/09/2025	An overall analysis of Essence of Indian Constitution	Adv. Nikitesh Kotgale	31	PO1, PO4, PO7, PSO2

3	10/10/2025	Essence of Indian Constitution	Adv. Sourabh Ubale	31	PO1, PO4, PO7, PSO2
4	20/02/2026	3D Modelling Techniques using Unigraphics	Mr.Sanjay Gorde	19	PO1, PO2, PO3, PO4, PO7, PSO2

CAY m1 2024-25

Sr No	Date	Name of course	Name Of Guest/Experts	No of Beneficiary	Mapping with PO and PSO
1	23-07-2024	Electric Vehicle	Mr.Philip Bhoale & Mr.Shubham Shinde	35	PO3, PO7
2	24-07-2024	Diesel Fuel Injection System	Mr.Ashish Sonare	29	PO1, PO5
3	22-08-2024	Automotive Fluids	Mr.Lakhan Gosavi	36	PO2, PO5

CAY m2 2023-24

Sr No	Date	Name of course	Name Of Guest/Experts	No of Beneficiary	Mapping with PO and PSO
1	05-08-2023	Electric vehicle	Mr.Shashank Gaikwad (EV design engineer)	12	PO1, PO3, PO6, PO7
2	05-08-2023	Skill Development and Career Opportunities in Steam Boiler industry	Mr.C.G.Pawar	15	PO1, PO3, PO6
3	02-08-2023	Career Design in Piping design Engineering	Mr.Pramod Deshmukh	12	PO1,PO2,PO4,PO7
4	12-08-2023	Importance of Foreign languages	Mr.Mayuresh Sonawane	12	PO7
5	28-07-2023	Awareness about Hepatitis on occasion of World Hepatitis Day	Prof. Ishita Agarwal	23	PO7

C. Industrial visits/tours for students (3)

Institute Marks

3.00

CAY 2025-26

Sr No	Date	Name of company to be Visited	Class	No of Beneficiary	Mapping with PO and PSO
1	29-07-2025	Prakash Diesel	AE3K	21	PO1, PO2, PO3, PO4
2	11-02-2026	Sharayu Toyota , Tathawade	AE4K, AE6K	31	PO2, PO3, PO4, PO7, PSO1, PSO2, PSO3
3	12-02-2026	ARAI EXPO and Live Demonstration on track	AE4K, AE6K	31	PO2, PO3,PO4,PO7,PSO1, PSO2
4	28-02-2026	Giant Metrewave Radio Telescope (GMRT),Khadad	AE2K	32	PO1, PO2,PO3,PO4,PO6,PO7
5	05-03-2026	Yeshdree press Comp Pvt. Ltd	AE4K	25	PO4, PO5, PO7, PSO2
6	06-03-2026	Dipex project competition, Aurangabad	AE4K	25	PO1,PO2,PO3,PO4,PO5,06,PO7,PSO1,PSO2,PSO3

CAY m1 2024-25

Sr No	Date	Name of company to be Visited	Class	No of Beneficiary	Mapping with PO and PSO
1	19-07-2024	FMCH, MMCOE Campus Karvenagar	AE3K	20	PO6,PO7
2	13-08-2024	Prakash Diesel Chinchwad,Pune	AE3K	16	PO2,PO4,PO5, PO6, PSO1
3	30-07-2024	FMCH, MMCOE Campus Karvenagar	AE3K, AE4I	21	PO6, PO7
4	07-10-2024	Shree Sant Tukaram Sugar Factory	AE3K	20	PO1, PO2, PO5, PO6, PO7
5	22-02-2025	Volkswagen B.U.Bhandari Service Station	AE3I	17	PO1, PO2, PO4, PO6
6	15-03-2025	MSRTC Central Workshop, Dapodi	AE3K	17	PO1,PO4,PO5,PO7,PSO1

7	12-03-2025	Volkswagen Group academy Chakan Pune	AE5I	21	PO1, PO2, PO3, PO5
8	25-03-2025	Shetys Maruti Service Station Aundh Pune	AE3K	16	PO1, PO2, PO3, PO5

CAY m2 2023-24

Sr No	Date	Name of company to be Visited	Class	No of Beneficiary	Mapping with PO and PSO
1	21-08-2023	Jai Mata Di Green, Kinetic Green, Chinchwad	AE3I	21	PO1, PO2, PO4, PO7, PSO1, PSO2
2	21-08-2023	Prakash Diesel, Chinchwad	AE3I	21	PO1, PO2, PO4, PO7, PSO1, PSO2
3	26-08-2023	Pune Heat	AE3I	19	PO1, PO4, PO5, PO7
4	26-08-2023	NDT Metal Solutions Lab	AE3I	25	PO1, PO4, PO5, PO7
5	30-08-2023	Piaggio Vehicles, Baramati	AE3I, AE5I	65	PO1, PO4, PO5, PO6, PO7
6	30-08-2023	Nandan Dairy Malegaon, Baramati	AE3I, AE5I	28	PO1, PO4, PO5, PO6, PO7
7	29-09-2023	MSRTC Central Workshop, Dapodi	AE3I, AE5I	30	PO1, PO2, PO3, PO4, PO7, PSO1, PSO2
8	03-02-2024	Shree Sant Tukaram Sugar Factory	AE4I/AE6I	30	PO3, PO12
9	20-03-2024	Volkswagen B.U.Bhandari Service Station	AE6I	12	PO4, PO5, PO6
10	28-28-2023	Volkswagen B.U.Bhandari Service Station	AE5I	16	PO1, PO4, PO7

D. Industrial training/ internship (5)

Institute Marks

5.00

As per MSBTE curriculum, internship of 3 months is mandatory for each student after completion of fourth semester examination with domain specific industry such as manufacturing ,service industry, etc.

Table No. 2.2.5.2 : Summary of Internship

Sr. No	Year	Name of organization	No. of students
1	2025-26	Volkswagen B.U.Bhandari Service Station, Wakad	10
		Maruti Suzuki Service (Wonder Cars), Talawade	12
		Lucas TVS Ltd Chakan Plant, PCMC	13
2	2024-25	MB Automobile	03
		Kundan Hyundai Chinchwad	01
		Kia Motors	01
		Alpha Dies and pattern	01
		Gate 7 Group india Pvt Ltd	01
		Volkswagen B.U.Bhandari Service Station, Wakad	04
3	2023-24	TVS - Saibaba Sales Private Ltd, Wakad Pune. - 411057	03
		Crystal Honda, Bavdhan Pune-411021	03
		Tata Motors- Saibaba Autowheels Kalewadi, Pune-411033	04
		Crystal Kia, Bavdhan Pune-411021	04
		SRS Global Metallurgical Services, Nanekarwadi, Chakan Pune-410591	01
		Mb automotive services, kalewadi-411033	03

CAY 2025-26

Sr. No	Name of Student	Name of Organization	Name of mentor
1	MAYUR NAGNATH BOKKE	Volkswagen B.U.Bhandari Service Station, Wakad	Mr. Gundla R.J.
2	GAIKWAD ADITYA DEEPAK	Volkswagen B.U.Bhandari Service Station, Wakad	Mr. Gundla R.J.
3	SAPKAL ADITYA SATISH	Volkswagen B.U.Bhandari Service Station, Wakad	Mr. Gundla R.J.
4	SURYAVANSHI SAGAR DNYANESHWAR	Volkswagen B.U.Bhandari Service Station, Wakad	Mr. Gundla R.J.
5	SONAWANE MAYUR PARSHURAM	Volkswagen B.U.Bhandari Service Station, Wakad	Mr. Gundla R.J.
6	TELANGE PUSHKAR SANTOSH	Volkswagen B.U.Bhandari Service Station, Wakad	Mr. Gundla R.J.
7	GAWALE RITESH SANJAY	Volkswagen B.U.Bhandari Service Station, Wakad	Mr. Gundla R.J.
8	SHINDE ARYAN NITIN	Volkswagen B.U.Bhandari Service Station, Wakad	Mr. Gundla R.J.
9	GORE SHUBHAM RAJABHAU	Volkswagen B.U.Bhandari Service Station, Wakad	Mr. Gundla R.J.
10	GAVADE UTKARSH VINODKUMAR	Volkswagen B.U.Bhandari Service Station, Wakad	Mr. Gundla R.J.
11	TAKALE ADITYA GANDHI	Maruti Suzuki Service (Wonder Cars), Tathwade	Mrs. Herlekar M M
12	TARDE DIPAK GOVIND	Maruti Suzuki Service (Wonder Cars), Tathwade	Mrs. Herlekar M M
13	OM SANDIP SHINDE	Maruti Suzuki Service (Wonder Cars), Tathwade	Mrs. Herlekar M M
14	MULANI REHAN SIRAJ	Maruti Suzuki Service (Wonder Cars), Tathwade	Mrs. Herlekar M M
15	ARYAN CHAUDHARI	Maruti Suzuki Service (Wonder Cars), Tathwade	Mrs. Herlekar M M
16	SURWASE HARSH PAVAN	Maruti Suzuki Service (Wonder Cars), Tathwade	Mrs. Herlekar M M
17	DIVATE PRATHAMESH SANJAY	Maruti Suzuki Service (Wonder Cars), Tathwade	Mrs. Herlekar M M
18	VIDHATE AVBHUT PANDHARINATH	Maruti Suzuki Service (Wonder Cars), Tathwade	Mrs. Herlekar M M
19	DHIRAJ MANOJ MAHAMUNI	Maruti Suzuki Service (Wonder Cars), Tathwade	Mrs. Herlekar M M
20	SONAR VINAYAK PRADEEPKUMAR	Maruti Suzuki Service (Wonder Cars), Tathwade	Mrs. Herlekar M M
21	CHAVAN GEETANALI GITTESHWAR	Maruti Suzuki Service (Wonder Cars), Tathwade	Mrs. Herlekar M M
22	SURWASE PRITHI PANDIT	Maruti Suzuki Service (Wonder Cars), Tathwade	Mrs. Herlekar M M
23	SURWASE KEDAR PANDIT	Sharyu Toyota, Tathwade	Mr. Suryawanshi P N
24	NAGDE RUSHIKESH RAVI	Sharyu Toyota, Tathwade	Mr. Suryawanshi P N
25	BANSODE PAVAN AJAYKUMAR	Sharyu Toyota, Tathwade	Mr. Suryawanshi P N
26	ZADAPE CHAITRALI SANJAY	Sharyu Toyota, Tathwade	Mr. Suryawanshi P N
27	BORGE GAURAV DNYANESHWAR	Sharyu Toyota, Tathwade	Mr. Suryawanshi P N
28	PREM PRAMOD KAMBLE	Sharyu Toyota, Tathwade	Mr. Suryawanshi P N
29	KHAN AMAAN SAJID	Sharyu Toyota, Tathwade	Mr. Suryawanshi P N
30	DUBAL AMRUTA DADASAHEB	Sharyu Toyota, Tathwade	Mr. Suryawanshi P N
31	KARAN BAJAJ	Sharyu Toyota, Tathwade	Mr. Suryawanshi P N
32	SHELKE PAYAL BHIMRAO	Sharyu Toyota, Tathwade	Mr. Suryawanshi P N
33	GAIKWAD PRADNYA ASHOK	Sharyu Toyota, Tathwade	Mr. Suryawanshi P N
34	PAWAR NISHITA NAVNATH	Sharyu Toyota, Tathwade	Mr. Suryawanshi P N
35	KAMBLE SHREEHARSH PRITHVIRAJ	Sharyu Toyota, Tathwade	Mr. Suryawanshi P N

CAY m1 2024-25

Sr. No	Name of Student	Name of Organization	Name of Mentor
1	Sumit Surwade	MB Automobile	Mr.Valvi D.R.
2	Amrit Dande	Kundan Hyundai Clinic/wad	Mr.Valvi D.R.
3	Yashu Charole	Volkswagen B.U.Bhandari Service Station, Wakad	Mr.Valvi D.R.
4	Shubham Sarnage	Volkswagen B.U.Bhandari Service Station, Wakad	Mr.Valvi D.R.
5	Purth Bhoasale	Volkswagen B.U.Bhandari Service Station, Wakad	Mr.Valvi D.R.
6	Aharva Gole	Volkswagen B.U.Bhandari Service Station, Wakad	Mr.Valvi D.R.
7	Omkar Balsaraf	Kia Motors	Mr.Valvi D.R.
8	Aditya Wabale	Alpha Dies and pattern	Mr.Valvi D.R.
9	Omkar Ushale	Gate 7 Group india Pvt Ltd	Mr.Valvi D.R.
10	Balaji Bhoasale	MB Automobile	Mr.Valvi D.R.
11	Pnati Birajdar	MB Tata Motors	Mr.Valvi D.R.

CAY m2 2023-24

Sr. No	Name Of Candidates	Name of Industry	Name of Mentor
1	GAWADE SHIVENDRA ASHOK	TVS - Saibaba Sales Private Ltd, Wakad Pune, -411057	Mr.Gundla R.J
2	KHARAT GAURAV BABASAHEB	Crystal Honda, Bavdhan Pune-411021	Mr.Valvi, D.R
3	PATHAN ARMAN ARIF	Crystal Honda, Bavdhan Pune-411021	Mr.Valvi, D.R
4	SHOURYA AVINASH CHAKRE	Tata Motors- Saibaba Autowheels Kalewadi, Pune-411033	Mr.Valvi, D.R
5	SURYAVANSHI YASH PADMAKAR	Tata Motors- Saibaba Autowheels Kalewadi, Pune-411033	Mr.Valvi, D.R
6	TANDEL CHAITANYA DENESH	TVS - Saibaba Sales Private Ltd, Wakad Pune, -411057	Mr.Gundla R.J
7	CHANDBODHILE SANDIP MAHADEV	Crystal Honda, Bavdhan Pune-411021	Mr.Valvi, D.R
8	KALE ASHUTOSH SHIVAJI	Crystal Kia, Bavdhan Pune-411021	Mr.Gundla R.J
9	RANE SAIRAJ DASHIRATH	TVS - Saibaba Sales Private Ltd, Wakad Pune, -411057	Mr.Gundla R.J
10	RATHOD RUTUJA RAMESH	SRS Global Metallurgical Services, Nanekarwadi, Chakan Pune-410501	Mrs. Nadimetta S.A
11	SONAWANE PRANAV GANESH	Crystal Kia, Bavdhan Pune-411021	Mr.Gundla R.J
12	TUSHAR DASHIRATH GADGULE	Crystal Kia, Bavdhan Pune-411021	Mr.Gundla R.J
13	HINGE OM RAHUL	Tata Motors- Saibaba Autowheels Kalewadi, Pune-411033	Mr.Valvi, D.R
14	MARNE SAHIL SURYAKANT	Crystal KIA, Bavdhan Pune-411021	Mr.Gundla R.J

15	SASTE SWAYAM JANARDHAN	Tata Motors- Saishba Auto/wheels Kalewadi, Pune-411033	Mr.Valvi. D.R
16	VIBHUTE PRATIK RAJKUMAR	MB Automotive Services, Kalewadi-411033	Ms.Herlekar M.M.
17	WHANALE PRATIK GOVIND	MB Automotive Services, Kalewadi-411033	Ms.Herlekar M.M.
18	JAISWAR ADITYA NAGENDRA	MB Automotive Services, Kalewadi-411033	Ms.Herlekar M.M

E. Post training/ internship Assessment (10)

Institute Marks

10.00

Assessment Components (Total = 100 Marks)

- Tasks Undertaken – 20 marks
- Overall Understanding – 20 marks
- Creativity / Innovation Demonstrated – 10 marks
- Knowledge Acquired – 10 marks
- Speech Clarity (Communication Skills) – 10 marks
- Body Language (Professional Behavior) – 10 marks
- Presentation Skills – 10 marks
- Diary, Report Writing / Product Developed – 10 marks

2. Formative Assessment (FA) Consideration

Although conducted during internship, it contributes to final judgment:

- Weekly performance evaluation (Week 1-12)

Based on:

- Industry exposure & participation
- Project execution
- Safety practices
- Validation by industry mentor
- Diary writing & reporting

Maharashtra State Board of Technical Education							K3				
FORMATIVE ASSESMENT OF PRACTICALS (FA-PR)											
Institute Code and Name : 0989 - Marathwada Mitra Mandals' Polytechnic			Course: Internship (315004)		Date : 06/10/2025						
Academic Year: 2025-26			Name Of Faculty: Mr.Gundia R.J.								
Program: Automobile Engineering (AESK)											
Semester: FIRR											
Roll No	Enrolment No.	Exam Seat No.	Name Of The Student	Internship (Industrial Training) Activity				Total Marks (Out of 100)	FA Marks Converted According to T.E. Scheme. (Max Marks: 100)		
				Week 1 (Marks out of 5)	Week 2 (Marks out of 5)	Week 3 (Marks out of 5)	Week 4 to 10 (Marks out of 20)			Week 11 (Marks out of 5)	Week 12 (Marks out of 5)
220114	2209890014		GHABOLE YSINU KASHINATH	3	4	18	17	22	21	85	85
220149	2209890049		SURWADE SUMIT SUDHAKAR	3	3	16	18	21	20	81	81
230108	2321228008		BIRAJDAR PRANT GOVIND	4	4	18	18	23	23	90	90
230111	2321228011		DANDI ANANT UMESH	4	4	18	18	23	23	90	90
240165	24212280467		BALSARAF OMKAR NARAYAN	4	4	17	18	22	22	87	87
240167	24212280469		BOBDE BALAJI RAJU	3	3	15	15	18	18	72	72
240170	24212280471		SAMAGE SHUBHAM BHANUSHAHEB	3	4	18	18	24	24	91	91
240171	24212280472		UBALE OMKAR JOTIRAM	3	3	18	17	23	23	87	87
240172	24212280473		WABALE ADITYA CHANDRASHEKHAR	4	4	18	18	23	23	90	90

Fig.No. 2.2.5.2 : Sample Format of Internship Assessment

F. Contribution to Community related projects/activities (5)

Institute Marks

5.00

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

Table No. 2.2.5.2 : Students Contribution to Community related activities

Sr. No.	Activity	Date and Duration	No. of Beneficiaries	Description
1	Skill Development Program for 9th-12th Students	3-5 Days Program (Multiple Batches)	~100-150 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 Personnel	2 Days	50 Industry Personnel	Faculty delivered training on fundamental mechanical, electrical, and automation concepts to improve industrial workforce efficiency.
3	Election day activity by students on election day	As per Election Schedule	Society at Large	Students actively contributed to Assembly and Municipal Corporation election duties maintaining discipline for smooth and fair electoral processes.
4	Students Volunteering in Bhajaj Grand Tour Event (Pune)	1 Day Event	~500+ Participants	Students volunteered in Cyclethon 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.

2.2.6 Information Access Facilities and Student Centric Learning Initiatives (15)

Institute Marks

14.00

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

Institute Marks

9.00

- The institute provides adequate facilities such as well-equipped laboratories, free book bank facility access through library resources (books, journals, and digital library), computer systems with internet connectivity, and audio-visual teaching aids to support effective learning. These facilities are optimally utilized by students and faculty for conducting practicals, project work, and skill development activities.
- In addition, ample scope is provided for self-learning through access to e-learning platforms such as Coursera , Great learning, alison, ASDC. Students are encouraged to enroll in online certification courses and use digital resources for upgrading their knowledge beyond the syllabus.
- The effective utilization of these facilities enhances technical competency, promotes independent learning, and supports the attainment of Course Outcomes (COs) and Program Outcomes (POs) as per NBA guidelines.

Table No.2.2.6.1. : Online Certifications Links

ASDC			
TOPIC NAME	LINK	LANGUAGE	HOURS
BASICS OF AUTOMOBILE	https://courses.asdc.org.in/course/basics-of-automobile-english	ENGLISH/HINDI	1
CLUTCH & TRANSMISSION	https://courses.asdc.org.in/category/clutch-transmission/courses	ENGLISH/HINDI	1
DRIVELINE & AXLE	https://courses.asdc.org.in/category/driveline-and-axle/courses	ENGLISH/HINDI	1
FUNDAMENTALS OF EV CHARGING	https://courses.asdc.org.in/course/introduction-of-ev-charging	ENGLISH	1
TOYOTA HYBRID ELECTRIC VEHICLE TECHNOLOGY	https://courses.asdc.org.in/category/kevs-shiksha-toyota-hybrid-electric-vehicle-technology/courses	ENGLISH	1
STEERING SYSTEM	https://courses.asdc.org.in/course/steering-system-hindi	HINDI	1
SUSPENSION SYSTEM	https://courses.asdc.org.in/course/suspension-system-hindi	HINDI	1
ADVANCE ELECTRICALS	https://courses.asdc.org.in/course/advance-electricals%E2%80%93hindi	HINDI	1
BRAKE SYSTEM	https://courses.asdc.org.in/course/brake-system-hindi	HINDI	1
GREAT LEARNING			
ELECTRIC VEHICLE DESIGN	https://olympus.mygreatlearning.com/courses/83707	ENGLISH	1
INTRODUCTION TO ELECTRIC VEHICLES	https://www.mygreatlearning.com/academy/learn-for-free/courses/introduction-to-electric-vehicles	ENGLISH	1.5
START WITH ELECTRIC VEHICLE DESIGN	https://www.mygreatlearning.com/academy/learn-for-free/courses/start-with-electric-vehicle-design	ENGLISH	1
ALISON			
Automotive Starting System Diagnosis	https://alison.com/resume/courses/5030	ENGLISH	2-3 hrs
Introduction to Four stroke and Auxiliary engines	https://alison.com/course/introduction-to-four-stroke-and-auxiliary-engines	ENGLISH	4-5 hrs
Fundamentals of Diesel Engines	https://alison.com/course/fundamentals-of-diesel-engines	ENGLISH	4-5 hrs
Diesel Engine Cycle, Maintenance, Control	https://alison.com/course/diesel-engine-cycles-maintenance-and-control	ENGLISH	3-4 hrs

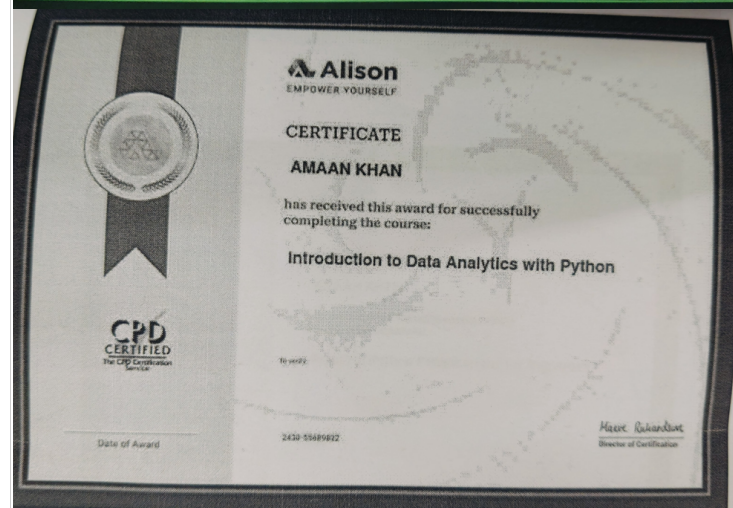


Fig. No. 2.2.6.1. : Sample format of certification course done by students

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

Institute Marks

5.00

- The institute has adopted a comprehensive student-centric approach to teaching and learning, wherein the primary focus is placed on enhancing the active participation, engagement, and overall development of students rather than relying solely on traditional lecture-based methods. Faculty members consciously design and deliver course content in a manner that encourages students to think critically, analyze concepts deeply, and apply their knowledge to real-world situations.
- Teaching pedagogies** : Faculty members engage students through activities such as structured questioning, think-pair-share exercises, and group discussions, which promote collaborative thinking and improve conceptual clarity. Instead of passively receiving information, students are encouraged to express their ideas, discuss different perspectives, and develop problem-solving skills during classroom interactions.
- Problem-based learning is implemented by presenting students with case studies and practical problems that require analytical thinking and decision-making. By making effective use of ODIS for troubleshooting exercises, students are encouraged to identify the root cause of problems, explore possible solutions, and justify their approaches logically.
- The use of Information and Communication Technology (ICT) has significantly strengthened student-centric learning. Faculty members utilize smart boards, multimedia presentations and online platforms to enhance the teaching-learning process.

- **PPTs:** PPT can help teachers to teach a subject point wise so as to make the learning more efficient. Power Point has become very popular because its easy to learn, widely available, easy to understand the subject.
- **E-Notes:** E-Notes help students to complete assignments and study for exams. E-notes are sent to the students by emails and it can collect through website made by faculty

Effective Implementation:

- The implementation of student-centric learning begins with structured academic planning carried out by the faculty members. Detailed lesson plans are prepared for each course well in advance, and these plans explicitly incorporate teaching method/ media.
- To effectively implement student-centric learning, the institute places significant emphasis on the continuous professional development of faculty members. Faculty are encouraged to participate in faculty development training programs, workshops, and seminars focused on innovative teaching methodologies and modern pedagogical practices.
- The institute ensures the availability of adequate resources to support the implementation of student-centric learning initiatives. Laboratories are well-equipped with modern equipment and instruments, enabling students to gain practical exposure and hands-on experience.

2.2.7 New Initiatives for embedding Professional Skills (15)

Institute Marks

15.00

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

Institute Marks

8.00

Table No. 2.2.7.1 : Employability skill enhancement Initiatives and their implementation

Date	Industry/Location/Topic	Conducted By	No. of Beneficiaries	Activity Type	Mapping with PO and PSO
05-08-2023	Electric vehicle	Mr.Shaohank Gaikwad (EV design engineer)	12	Guest Lecture	PO1, PO3, PO6, PO7
04/09/2024 to 06/09/2024	Workshop on Entrepreneurship Awareness	Mr.Samir Patil	21	Workshop	PSO5, PSO6, PSO7, PSO3
24/09/2024 to 25/9/2024	Two wheeler Workshop	Mr.Nitin ramadek Mr. Anup Anand	40	Workshop	PO1,PO2,PO3,PO5, PO7,PSO1,PSO2
16-02-2026 to 18-02-2026	Two Wheeler Workshop	Mr.Somsundar Menon	39	Workshop	PO1,PO2,PO3,PO5, PO7,PSO1,PSO2

B. Personality development related Initiatives & effective implementation (7)

Institute Marks

7.00

Table No. 2.2.7.2 : Personality development related Initiatives & their implementation

Date	Industry/Location/Topic	Conducted by	No. of Beneficiaries	Activity Type	Mapping with PO and PSO
24-07-2023 to 26-07-2023	Skill Gap Survey	Mr.Anand Khade (Regional Head at ASDC)	22	Workshop	PO2, PO6, PO7, PSO3
12-08-2023	Importance of Foreign languages	Mr.Mayuresh Sonawane	12	Guest Lecture	PO6, PO7, PSO3
02-09-2024	Career Guidance Programme: ACDRI Skill Enhancement Workshops	Ms. Deepthi Deshpande	19	Workshop	PO6, PO7, PSO3
10-09-2024	Resume Generation Training Using POD.A1 for Third Year Students and T&P Coordinators.	Mr. Nikhil Motewar	19	Guest Lecture	PO5, PO6, PO7, PSO2, PSO3
16-11-2024	Interview Preparations Workshop	Mr. Samil S Desale	23	Guest Lecture	PO6, PO7, PSO3
07-02-2026 to 09-02-2026	Employability & Job Readiness Training Programme Report	Naandi Foundation (Mahindra & Mahindra Group CSR)	05	Workshop	PO6, PO7, PSO3
13/09/2025	Project management	Mr. Pranay Subbedar	37	Guest Lecture	PO6, PSO3

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.
- Various co-curricular activities such as guest lectures, industry visits, participation in paper presentation, quiz competition and workshops.
- Under extra-curricular department students participate enthusiastically in "MaMaTram" celebration which is an annual social gathering of students.
- Under *MaMaTram* various programs like cultural programs, sports and other events are organized each year.
- Such programs hone 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.
- Sports activities keep students physically tough and mentally sound

Co-curricular Activities

Table No. 2.2.8.1 : Co-curricular Activities in CAY 2025-26

Sr. No	Particular	Date	Name Of Activity/Event/Workshop	Name Of Guest/ Organised By/Visit Location	No of Beneficiary	Mapping with PO and PSO
1	Guest Lecture	26-07-2025	Constitution and Preamble	Adv. Ganesh Kokate	21	PO1, PO5
		13-09-2025	An overall analysis of Essence of Indian Constitution	Adv. Nikitesh Kotangale	31	PO1, PO4, PO7, PSO2
		10-10-2025	Essence of Indian Constitution	Adv.Sourabh Ubale	31	PO1, PO4, PO7, PSO2
		20-02-2026	3D Modelling Techniques using Unigraphics	Mr.Sanjay Gorde	19	PO1, PO2, PO3, PO4, PO7, PSO2

2	Industrial Visit	29-07-2025	Prakash Diesel	Mr.Prakash Deshpande	21	PO1, PO2, PO3, PO4
3		11-02-2026	Sharyu Toyota . Tathawade	Mr.Nilash Patil	31	PO2, PO3, PO4, PO7, PSO1, PSO2, PSO3
4		12-02-2026	ARAI EXPO and Live Demonstration on track	Mr.Ahmed	31	PO2, PO3,PO4,PO7,PSO1, PSO2
5		28-02-2026	Giant Metrewave Radio Telescope (GMRT) Khadad	GMRT	32	PO1, PO2,PO3,PO4,PO6,PO7
6		05-03-2026	Yeshshree press Comp Pvt. Ltd	Mr.Rohidas Gangwe	17	PO4, PO5, PO7, PSO2
7		6-03-2026	Dipex Project Competition, Aurangabad	M.L.T Aurangabad	25	PO1,PO2,PO3,PO4,PO5,06,PO7,PSO1,PSO2,PSO3
9		Technical Workshop	16-02-2026 to 18-02-2026	Two Wheeler Workshop	M.M.Polytechnic	39

Table No. 2.2.8.2. : Co-curricular Activities in CAVm1 2024-25

Sr. No	Particular	Date	Name Of Activity/Event/ Workshop	Name Of Guest/ Organised By/Visit Location	No Of Beneficiary	Mapping with PO and PSO a
1	Guest Lecture	23-07-2024	Electric Vehicle	Mr.Philip Bhosale & Mr.Shubham Shinde	35	PO3, PO7
2		24-07-2024	Diesel Fuel Injection System	Mr.Ashish Sonare	29	PO1, PO5
3		22-08-2024	Automotive Fluids	Mr.Lakhan Gosavi	36	PO2, PO5
4	Industrial Visit	19-07-2024	FMCH, MMCOE Campus Karvenagar	MMCOE, Karvenagar	20	PO6,PO7
5		13-08-2024	Prakash Diesel Chinchwad,Pune	Mr.Prakash Deshpande	16	PO2,PO4,PO5, PO6, PSO1
6		30-07-2024	FMCH, MMCOE Campus Karvenagar	MMCOE, Karvenagar	21	PO6, PO7
7		07-10-2024	Shree Sant Tukaram Sugar Factory	Mr.Amit Chavan	20	PO1, PO2, PO5, PO6, PO7
8		22-02-2025	Volkswagen, B.U. Bhandari service station Wakad, Pune	Mr.Manoj Bobade	17	PO1, PO2, PO4, PO6
9		15-03-2025	MSRTC Central Workshop, Dapsadi	Mr.Gaurav Kale	17	PO1,PO4,PO5,PO7,PSO1
10		12-03-2025	Volkswagen Group academy Chakan Pune	Mr.Sunil Kalva	21	PO1, PO2, PO3, PO5
11		25-03-2025	Shety's Maruti Service Station Aundh Pune	Ms.Sadnand Shetty	16	PO1, PO2, PO3, PO5
12		EDP Program	04/09/2024 to 06/09/2024	Workshop on Entrepreneurship Awareness	Mr.Sunil Patil	21
13	Technical Workshop	24/09/2024-25/9/2024	Two wheeler Workshop	Mr.Nitin ramade& Mr. Anup Anand	40	PO1,PO2,PO3,PO5, PO7,PSO1,PSO2
14		08-10-2024	Shety's Maruti Service Station Aundh Pune	Ms.Sadnand Shetty	21	PO1, PO2, PO3, PO5

Table No. 2.2.8.3. : Co-curricular Activities in CAV m2 2023-24

Sr. No	Particular	Date	Name Of Activity/ Event/ Workshop	Name Of Guest/ Organized By/ Visit Location	No Of Beneficiary	Mapping with PO and PSO
1	Guest Lectures	05-08-2023	Electric vehicle	Mr.Shashank Gaikwad (EV design engineer)	12	PO1, PO3, PO6, PO7
2		05-08-2023	Skill Development and Career Opportunities in Steam Boiler industry	Mr.C.G.Pawar	15	PO1, PO3, PO6
3		02-08-2023	Career Design in Piping design Engineering	Mr.Pramod Deshmukh	12	PO1,PO2,PO4,PO7
4		28-07-2023	Awareness about Hepatitis on occasion of World Hepatitis Day	Prof.Bahira Agarwal	23	PO7
5	Industrial Visit	21-08-2023	Jai Mata Di Green, Kinetic Green, Chinchwad	Jai Mata Di Green	21	PO1, PO2, PO4, PO7, PSO1,PSO2
6		21-08-2023	Prakash Diesel,Chinchwad	Mr.Harish Rao	21	PO1, PO2, PO4, PO7, PSO1,PSO2
7		26-08-2023	Pune Heat	Mr.Ashok Narwade	19	PO1, PO4, PO5, PO7
8		26-08-2023	NDT Metal Solutions Lab	Mr.Deepak Sonar	25	PO1, PO4, PO5, PO7
9		30-08-2023	Pinggio Vehicles, Baramati	Mr.Santosh Bhosale	28	PO1, PO4, PO5, PO6, PO7
10		30-08-2023	Nandan Dairy Malegaon, Baramati	Mrs.Vansha Nimbalkar	28	PO1, PO4, PO5, PO6, PO7
11		29-09-2023	MSRTC Central Workshop, Dapodi	Mr.Manish Mohite	30	PO1,PO2,PO3,PO4,PO7,PSO1,PSO2
12		03-02-2024	Shree Sant Tukaram Sugar Factory	Mr.Pathare	30	PO3, PO12
13		20-03-2024	Volkswagen, B.U. Bhandari service station	Mr.Amol Dalvi	12	PO4, PO5, PO6
14		28-08-2023	Volkswagen, B.U. Bhandari service station	Mr. Prashant charade	16	PO1, PO4, PO7

Extra-Curricular Activities

Table No. 2.2.8.4. : Extra-Curricular Activities CAY 2025-26

Sr. No	Particular	Date	Name Of Activity/ Event/ Workshop	Name Of Guest/ Organized By/Visit Location	No Of Beneficiary	Participation / Winner	Mapping with PO and Pso
1	Student Activity	02/03/26	Women's Day	M.M.Polytechnic, Savitri Subhgrugh	06	Participation	PO5, PO6, PSO3
2		19/01/26	Youth Enlightenment and personal Development	Prof. Abhishek Prasad Akankar	08	Participation	PO6, PO7, PSO3
3		26/2/26	Blood Donation and Health Checkup	Akshay Blood Bank, NSS M.M. Polytechnic	05	Participation	PO5
4		11/1/2026	Personality Development	M.M. Polytechnic	05	Participation	PO6, PO7, PSO3
5		23/01/26	Pune Grand Tour Cyclothon	N.S.S. Volunteers of M.M.	05	Participation	PO5, PO7
6		05/06/25	Tree Plantation, Environment	N.S.S. Volunteers of M.M.	05	Participation	PO5
7	Personality Development workshop/ session	07-02-2026 to 09-02-2026	Employability & Job Readiness Training Programme	Nanadi Foundation (Mahindra & Mahindra Group CSR)	05	-----	PO6, PO7, PSO3
8		21-07-2025	Guest Lecture on Career Goals for Second Year students	Mr.Adiya Shinde, Dnyanprabodhini,Nigdi	25	-----	PO6, PO7, PO5, PSO3
9		11-02-2026	Guest Lecture on Career Goals for Second Year students	Mr.Adiya Shinde, Dnyanprabodhini,Nigdi	22	-----	PO6, PO7, PO5, PSO3
10	Professional & Lifes kills	25-02-2026	Flagship Program-Igniting Intent from Technical skills to Personal Legacy	Padmasri, Chaitram Pawar	30	-----	PO7, PO5, PSO3
11		24-01-2026	Kho- Kho	Mahadev Kanchan College Danda	01	Participation	PO6, PO7

	IEDSSA Sport Activity						
12		23-2-2026	Athletics	Babarao Sanas Ground, Pune	01	Participation	PO6, PO7
13		23-2-2026	Athletics relay team	Babarao Sanas Ground, Pune	01	Participation	PO6, PO7
14	Gathering And Sport Activity Week - Miniream	24/12/2025	Bhadraveer Ulgade and Group	Gathering (Theme Day)	10	Winner	PO6, PO7
15		29/12/2025	Aditya Gaikwad	Gathering (Dance)	01	Participation	PO6, PO7
16		29/12/2025	Aditya Sapkal	Gathering (Dance)	01	Participation	PO6, PO7
17		29/12/2025	Mayur Bokke	Gathering (Dance)	01	Participation	PO6, PO7
18		29/12/2025	Mayur Sonawane	Gathering (Dance)	01	Participation	PO6, PO7
19		29/12/2025	Rushikesh Nagde	Gathering (Dance)	01	Participation	PO6, PO7
20		29/12/2025	Geetanjali Chavan	Gathering (Dance)	01	Participation	PO6, PO7
21		29/12/2025	Shubham Samaje	Gathering (Dance)	01	Participation	PO6, PO7

Table No. 2.2.8.5. :Extra-Curricular Activities CAYml 2024-25

Sr. No	Particular	Date	Name Of Activity/Event/Workshop	Name Of Guest/Organized By/Visit Location	No Of Beneficiary	Participation/ Winner	Mapping with PO and PSO
1	Students Activity	8/03/2025	Woman's Day Celebration	Sai Service Fugewadi	05	Participation	PO5, PO6, PSO3
2		20/11/2024	NSS Volunteers as Police Mitra	Kalewadi Police Station	08	Participation	PO2, PO5, PSO1
3		20/03/24	Road Safety Campaign, Helmet awareness & traffic rule adherence	Kalewadi Police Station	07	Participation	PO2, PO5, PSO1
4		14/11/24	Election oath	Mr. Anil Pawar (PCMC Election officer)	10	Participation	PO5
5		14/11/24	Grooming Session	PNG Gillette razor guard	09	Participation	PO6, PO7, PSO3
6		08/03/25	Woman's Day Celebration	Mrs. R.B. Korale (Assistant Police Inspector), Kalewadi Police Station	09	Participation	PO5, PO6, PSO3
7		17,18,19 Jan-25	Divyang Mahotsav	Auto cluster PCMC Pune	10	Participation	PO5, PO6, PO7, PSO3
8		22/02/25	Water campaign, cleanliness Drive, Tree Plantation	Shinggaon/ Ambegaon	06	Participation	PO5, PO7
9		27/02/25	Blood Donation and Checkup Camp	Akshay Blood bank	06	Participation	PO5, PO6
10		07/01/25	Cyber Security.Social Responsibility	Vikram Bansode, Police Inspector, Kalewadi Police Station Mr. D.N. Gaikwad, Assistant Sub-Inspector (ASI) Mr. Sachin Sutar, Constable, Kalewadi Police Station Damini Pathak	05	Participation	PO5, PO7, PSO2

11		02-09-2024	Career Guidance Programme: ACDRI Skill Enhancement Workshops	Ms. Deepthi Deshpande	19	----	PO5, PO6, PO7, PSO2, PSO3
12	Personality Development	10-09-2024	Resume Generation Training Using POD AI for Third Year Students and T&P Coordinators.	Mr. Nikhil Motewar	19	----	PO6, PO7, PSO3
13		16-11-2024	Interview Preparations Workshop	Mr. Sunil S. Desale	23	----	PO1, PO2, PO3, PO5
14		20/03/2025	Prasad Suryawanshi	Intercollegiate Project competition	PCP Akuradi	Participation	PO1, PO2, PO3, PO4, PSO1, PSO2
15		20/03/2025	Akip Shaikh	Intercollegiate Project competition	PCP Akuradi	Participation	PO1, PO2, PO3, PO4, PSO1, PSO2
16		20/03/2025	Priyanka Gawade	Intercollegiate Project competition	PCP Akuradi	Participation	PO1, PO2, PO3, PO4, PSO1, PSO2
17		15/02/2025	Suryawanshi Prasad	Project Competition-Technofest 2K25	M.M.Polytechnic	Winner	PO1, PO2, PO3, PO4, PSO1, PSO2
18	Project Competition	15/02/2025	Akip Shaikh	Project Competition-Technofest 2K25	M.M.Polytechnic	Winner	PO1, PO2, PO3, PO4, PSO1, PSO2
19		15/02/2025	Priyanka Gawade	Project Competition-Technofest 2K25	M.M.Polytechnic	Winner	PO1, PO2, PO3, PO4, PSO1, PSO2
20		15/02/2025	Anant Dande	Project Competition-Technofest 2K25	M.M.Polytechnic	Winner	PO1, PO2, PO3, PO4, PSO1, PSO2
21		18/02/2025	Rohit Patil	Gathering (Dance)	M.M.Polytechnic	Winner	PO6, PO7
22		18/02/2025	Sankalpadiya Ingaolic	Gathering (Dance)	M.M.Polytechnic	Winner	PO6, PO7
23	Gathering And Sport Activity Week - Mimiram	18/02/2025	Akamba More	Gathering (Dance)	M.M.Polytechnic	Winner	PO6, PO7
24		18/02/2025	Shubham Samge	Gathering (Dance)	M.M.Polytechnic	Winner	PO6, PO7
25		18/02/2025	Vaishnavi Tapkir	Gathering (Dance)	M.M.Polytechnic	Winner	PO6, PO7

Table No. 2.2.8.6. : Extra-Curricular Activities CAV 2023-24

Sr. No	Particular	Date	Name Of Activity/Event/Workshop	Name Of Guest/ Organized By/Visit Location	No Of Beneficiary	Participation / Winner	Mapping with PSO and PO
1	Student Activity	10/03/2024	Cleanliness drive, tree plantation, save water campaign	Darumbe	05	Participation	PO5, PO7
2		02/03/2024	Cleanliness drive, tree plantation, save water campaign	Gurukulam, Chinchwad	05	Participation	PO5, PO7
3		1/10/2023	Cleanliness drive, Swachhata hi seva	Pavana river side	05	Participation	PO5, PO6

4		9/06/2023	Tree Plantation program	M.M.Polytechnic	05	Participation	PO5
5	Personality Development	24-07-2023 to 30-07-2023	Skill Gap Survey	Mr.Amard Khade (Regional Head at ASDC)	22	-----	PO2, PO7, PSO3
6		12-08-2023	Importance of Foreign languages	Mr.Mayuresh Sonawane	12	-----	PO6, PO7
7	IEDSSA Sport Activity	7/02/2024	Yash Suryawandi	Cricket (AISSMS, Pune)	01	Runner up	PO6, PO7
8		7/02/2024	Gaurav Kharat	Cricket (AISSMS, Pune)	01	Runner up	PO6, PO7
9		7/02/2024	Shourya Chakre	Cricket (AISSMS, Pune)	01	Runner up	PO6, PO7
10		24/01/2024	Sankalpadiya Ingavale	Football (AISSMS,Pune)	01	Winner	PO6, PO7
11		4/02/2024	Om Hinge	Kabaddi (YSPM, Satara)	01	Participation	PO6, PO7
12		4/02/2024	Pratik Whanale	Kabaddi (YSPM, Satara)	01	Participation	PO6, PO7
13		4/02/2024	Robit Patil	Kho-Kho (YSPM, Satara)	01	Participation	PO6, PO7
14		2/02/2024	Sahl Mame	Wrestling	01	Participation	PO6, PO7
15	Gathering And Sport Activity Week - Mimitram	10/01/2024	Shreesant Gore	Gathering (Dance)	01	Participation	PO6, PO7
		10/01/2024	Akanksha More	Gathering (Dance)	01	Participation	PO6, PO7
		10/01/2024	Vaishnavi Tapkir	Gathering (Dance)	01	Participation	PO6, PO7
16		10/01/2024	Robit Patil	Gathering (Dance)	01	Participation	PO6, PO7

3 COURSE OUTCOMES AND PROGRAM OUTCOMES (100)

Total Marks 85.00

Define the Program specific outcomes

PSO1	Maintenance and Testing of automobile component
PSO2	Modern software usage: - Use of latest software for
PSO3	Skill sets for entrepreneurs: - Build the skill sets for

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

Total Marks 16.00

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

4.00

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

Course Name : C1 04 Course Year : 2025-26

Course Name	Statements
C1 04.1	Select the suitable machine under given loading condition.
C1 04.2	Analyze the given force system to calculate resultant force.
C1 04.3	Determine unknown force(s) of given load combinations in the given situation.
C1 04.4	Apply the laws of friction in the given situation.
C1 04.5	Determine the centroid/centre of gravity of the given lamina.

Course Name : C2 03 Course Year : 2025-26

Course Name	Statements
C2 03.1	Apply knowledge and skill related to different mechanisms and its motion in given situation.
C2 03.2	Determine velocity and acceleration for given mechanism.
C2 03.3	Develop a Cam profile for given type of Follower and its motions in given situation.
C2 03.4	Select the suitable power transmission devices for the given field/industrial application.
C2 03.5	Use knowledge and skills related to balancing of masses and vibration for various applications.

Course Name : C2 02 Course Year : 2025-26

Course Name	Statements
C2 02.1	Detect abnormal combustion in I.C. engine.
C2 02.2	Use diagnostic equipment for effective engine fuel management.
C2 02.3	Apply the fundamental principles of advanced technology for better engine performance.
C2 02.4	Perform I.C. engine test.
C2 02.5	Apply basic concepts of emission control to reduce automotive pollution.

Course Name : C3 07 Course Year : 2025-26

Course Name	Statements
C3 07.1	Select an appropriate auto body for a given application.
C3 07.2	Choose relevant materials for different parts of the auto body and for body refinishing work.
C3 07.3	Use appropriate tools and equipment for auto body repair work.
C3 07.4	Repair damaged auto body parts using relevant tools, instruments, and machine tools.
C3 07.5	Follow safety practices and standards in auto body repair work.

Course Name : C3 02 Course Year : 2025-26

Course Name	Statements
C3 02.1	Apply fundamental design principles and methodologies to design automotive components.
C3 02.2	Determine stresses in automobile components under various loading conditions.
C3 02.3	Design automotive chassis components.
C3 02.4	Design automotive engine components.
C3 02.5	Design simple axles using available data.

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

4.00

1 . course name : C201

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C101.1	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾
C101.2	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾
C101.3	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾
C101.4	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾
C101.5	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾	Select ▾

2 . course name : C204

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C104.1	1 ▾	1 ▾	1 ▾	2 ▾	1 ▾	- ▾	1 ▾
C104.2	2 ▾	2 ▾	1 ▾	2 ▾	1 ▾	- ▾	1 ▾
C104.3	2 ▾	2 ▾	1 ▾	2 ▾	1 ▾	- ▾	1 ▾
C104.4	2 ▾	2 ▾	2 ▾	2 ▾	1 ▾	- ▾	1 ▾
C104.5	2 ▾	2 ▾	1 ▾	2 ▾	1 ▾	- ▾	1 ▾
Average	1.80	1.80	1.20	2.00	1.00	0.00	1.00

3 . course name : C303

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C203.1	3 ▾	- ▾	- ▾	2 ▾	- ▾	- ▾	2 ▾
C203.2	3 ▾	2 ▾	1 ▾	- ▾	- ▾	- ▾	- ▾
C203.3	3 ▾	2 ▾	3 ▾	2 ▾	- ▾	- ▾	1 ▾
C203.4	3 ▾	2 ▾	1 ▾	2 ▾	1 ▾	- ▾	2 ▾
C203.5	3 ▾	2 ▾	1 ▾	2 ▾	2 ▾	- ▾	1 ▾
Average	3.00	1.60	1.20	1.60	0.60	0.00	0.80

4 . course name : C302

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C202.1	3 ▾	2 ▾	2 ▾	2 ▾	2 ▾	- ▾	3 ▾
C202.2	3 ▾	3 ▾	3 ▾	3 ▾	3 ▾	- ▾	3 ▾
C202.3	3 ▾	2 ▾	2 ▾	2 ▾	2 ▾	- ▾	2 ▾
C202.4	3 ▾	2 ▾	2 ▾	3 ▾	2 ▾	2 ▾	2 ▾
C202.5	3 ▾	3 ▾	2 ▾	3 ▾	3 ▾	- ▾	2 ▾
Average	3.00	2.40	2.20	2.60	2.40	0.40	2.40

5 . course name : C407

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C307.1	3	-	2	-	2	3	-
C307.2	3	2	2	-	2	-	2
C307.3	3	2	-	3	-	3	2
C307.4	3	3	2	2	2	3	2
C307.5	2	-	2	-	2	-	2
Average	2.80	1.40	1.60	1.00	1.60	1.80	1.60

6. course name : C402

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C302.1	3	3	2	2	2	-	2
C302.2	3	2	2	-	-	-	2
C302.3	3	3	3	2	-	-	2
C302.4	3	3	3	2	-	-	2
C302.5	3	3	2	2	-	-	2
Average	3.00	2.80	2.40	1.60	0.40	0.00	2.00

1. Course Name : C201

Course	PSO1	PSO2	PSO3
C101.1	Select	Select	Select
C101.2	Select	Select	Select
C101.3	Select	Select	Select
C101.4	Select	Select	Select
C101.5	Select	Select	Select

2. Course Name : C204

Course	PSO1	PSO2	PSO3
C104.1	3	2	1
C104.2	3	2	1
C104.3	3	2	1
C104.4	3	1	1
C104.5	2	3	1
Average	2.80	2.00	1.00

3. Course Name : C303

Course	PSO1	PSO2	PSO3
C203.1	3	2	2
C203.2	3	2	2
C203.3	3	1	2
C203.4	3	1	3
C203.5	3	1	2
Average	3.00	1.40	2.20

4. Course Name : C302

Course	PSO1	PSO2	PSO3
C202.1	2	2	-
C202.2	3	2	2
C202.3	3	3	2
C202.4	3	2	2
C202.5	2	2	-
Average	2.60	2.20	1.20

5. Course Name : C407

Course	PSO1	PSO2	PSO3
C307.1	3	2	2
C307.2	3	2	2
C307.3	3	1	2
C307.4	3	1	3
C307.5	3	1	2
Average	3.00	1.40	2.20

6. Course Name : C402

Course	PSO1	PSO2	PSO3
C302.1	2	-	2
C302.2	2	-	2
C302.3	3	3	3
C302.4	3	3	3
C302.5	3	3	3
Average	2.60	1.80	2.60

3.1.3 - A Program level Course-PO matrix of all courses INCLUDING first year courses (10)

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C1101	3.00	1.25	1.00	1.00	1.00	1.00	1.00
C1102	1.00	1.00	0.00	0.00	0.00	2.00	2.00
C1103	3.00	1.00	1.00	2.00	1.00	1.00	1.00
C1104	3.00	2.00	0.33	0.33	2.00	0.33	1.00
C1105	2.00	1.33	1.33	3.00	1.00	1.67	1.67
C1106	0.00	0.00	0.00	0.00	3.00	0.00	0.00
C1107	3.00	0.00	0.00	2.80	2.20	3.00	1.00
C1108	3.00	2.20	2.20	2.00	0.00	2.00	1.00
C1201	2.60	1.80	1.33	1.33	1.20	1.00	1.20

Institute Marks

8.00

C1202	3.00	1.30	1.00	1.00	1.00	1.00	2.00
C1202	3.00	1.33	1.00	1.33	2.00	2.00	1.00
C1203	3.00	3.00	2.00	2.00	0.00	2.00	2.00
C1204	3.00	2.60	2.00	2.00	1.50	1.00	1.00
C1205	3.00	2.00	2.00	2.00	0.00	2.00	2.00
C1206	1.00	1.00	1.00	0.00	1.00	3.00	1.00
C1207	1.00	1.33	1.00	1.00	2.80	2.80	3.00
C2301	1.80	1.80	1.20	2.00	1.00	0.00	1.00
C2302	3.00	3.00	3.00	3.00	2.00	3.00	3.00
C2303	3.00	2.00	1.50	2.00	1.50	0.00	1.50
C2304	2.00	3.00	0.00	2.80	2.00	2.00	3.00
C2305	3.00	2.50	1.67	1.25	1.00	1.00	1.00
C2306	1.00	2.00	0.00	1.00	2.00	0.00	1.00
C2307	3.00	2.00	0.00	1.00	1.00	0.00	1.00
C2401	1.00	1.50	2.00	0.00	3.00	1.80	3.00
C2402	3.00	2.40	3.00	2.60	2.40	2.00	2.40
C2403	3.00	2.25	2.00	2.60	2.00	3.00	2.00
C2404	3.00	2.75	2.75	3.00	2.00	2.80	3.00
C2405	3.00	2.00	2.00	2.67	2.00	2.80	2.60
C2406	2.00	2.00	2.00	3.00	0.00	1.00	2.00
C2407	3.00	2.00	2.00	3.00	1.00	1.00	1.75
C3501	0.00	2.00	3.00	0.00	2.67	0.00	3.00
C3502	1.80	2.00	1.67	1.00	2.60	2.00	1.60
C3503	2.20	3.00	2.60	3.00	2.00	2.60	3.00
C3504	2.60	2.00	1.50	1.00	1.00	1.00	1.00
C3505	2.50	0.00	0.00	2.83	2.25	2.20	2.83
C3506	2.60	2.00	1.00	0.00	1.80	1.00	2.20
C3507	2.40	2.40	3.00	2.60	2.80	2.60	2.80
C3508	1.00	2.00	2.33	1.83	1.83	1.83	1.83
C3601	2.80	2.20	2.00	2.60	2.75	2.00	2.80
C3602	3.00	2.50	1.83	1.83	2.00	1.00	1.00
C3603	2.00	2.33	0.00	2.40	2.00	1.00	1.50
C3604	2.33	2.33	2.50	2.00	2.40	0.00	2.00
C3605	3.00	2.67	2.00	3.00	0.00	1.00	2.00
C3606	1.83	1.83	1.83	1.00	2.00	1.50	1.00
C3607	2.80	3.00	2.00	2.60	2.00	1.00	2.00

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

Course	PSO1	PSO2	PSO3
C1101	2	1	2.20
C1102	1	1	2.20
C1103	2	1	1
C1104	1.67	0	0.67
C1105	0	3	2
C1106	0	0	0
C1107	3	1	2
C1108	0	2.60	3
C1201	0	1.20	1
C1202	1	1	0
C1202	2	0	0
C1203	2	3	1.40
C1204	2	0	1.50
C1205	1.75	0	3
C1206	1	2	2
C1207	00	0	2
C2301	2	0	1
C2302	2.40	2	2
C2303	2.80	2.20	1.20
C2304	2.20	2	2
C2305	1.75	1.50	1
C2306	0	0	1
C2307	2	2.20	1
C2401	2.60	1.50	2.25
C2402	2.60	2.20	1.60
C2403	3	2.20	2.20
C2404	2.80	2	2.20
C2405	2.60	2.75	3
C2406	0	3	2
C2407	2.75	1.75	1.50
C3501	2.60	1.50	2.25
C3502	1.80	1.40	2.60
C3503	2.60	3	2.60
C3504	2.80	1.60	2
C3505	2.50	1.33	2.67
C3506	0	1	3
C3507	3	2.40	2.80
C3508	2	2.17	2.83
C3601	0	0	2.40

C3602	2.17	1	1
C3603	2.80	2	2
C3604	2	2	1.80
C3605	3	1.40	1.40
C3606	2	1.20	1.67
C3607	3	2.50	2.80

3.2 Attainment of Course Outcomes (40)

Total Marks 35.00

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.

- Internal 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)

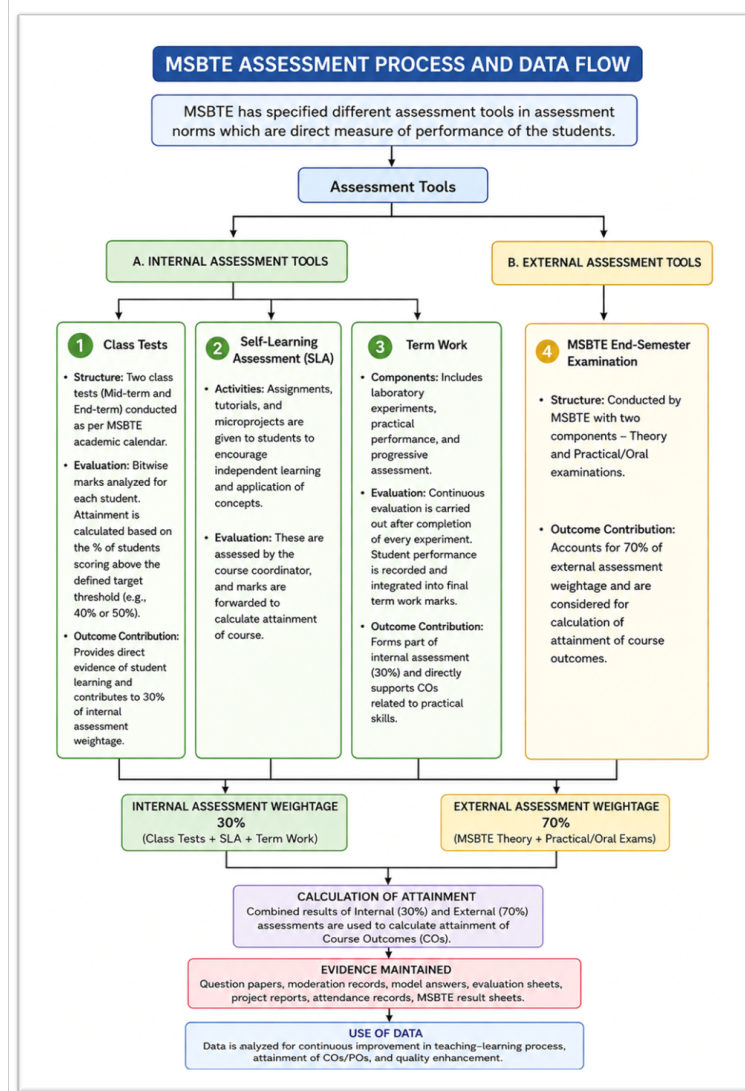
- Activities: Assignments, tutorials, and microprojects are given to students to encourage independent learning and application of concepts.
- Evaluation: These are assessed by the course coordinator, and marks are forwarded to calculate attainment of course.

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.



3.2.2 Record the attainment of Course Outcome of all courses with respect to set attainment levels (30)

Institute Marks

26.00

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
	45	48	51

Marathwada Mitra Mandal's Polytechnic,Pune												
AUTOMOBILE ENGINEERING DEPARTMENT												
CRITERION: 03												
Class: SYAE	Course: AE3K	Year: 2025-26	Subject: Fundamental of Automobile Engine	Subject Code: 3133	Staff Name:Mr. Gundla R.J.							
CO - PO MAPPING AND CO - PSO MAPPING												
Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	Course Outcome	PSO1	PSO2	PSO3	
AE3K02.1	3	-	-	3	2	-	3	AE3K02.1	2		2	
AE3K02.2	3	-	-	3	2	-	3	AE3K02.2	2	2	2	
AE3K02.3	3	-	-	3	2	3	3	AE3K02.3	3	2	2	
AE3K02.4	3	3	3	3	2	-	3	AE3K02.4	2		2	
AE3K02.5	3	3	3	3	2	-	3	AE3K02.5	3	2	2	
0								0				
Total	15	6	6	15	10	3	15	TOTAL	12	6	10	
Correlation Level	3	3	3	3	2	3	3	Correlation Level	2.4	2	2	
Course Target %	51											

Fig. 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 THROUGH CLASS TEST												
Q.No.	CLASS TEST I						Total	Max. Marks	Total	Max. Marks	Total	Max. Marks
	Q1	Q2	Q3	Q4	Q5	Q6						
1	1	1	1	1	1	1	6	1	6	1	6	6
2	1	1	1	1	1	1	6	1	6	1	6	6
3	1	1	1	1	1	1	6	1	6	1	6	6
4	1	1	1	1	1	1	6	1	6	1	6	6
5	1	1	1	1	1	1	6	1	6	1	6	6
6	1	1	1	1	1	1	6	1	6	1	6	6
7	1	1	1	1	1	1	6	1	6	1	6	6
8	1	1	1	1	1	1	6	1	6	1	6	6
9	1	1	1	1	1	1	6	1	6	1	6	6
10	1	1	1	1	1	1	6	1	6	1	6	6
11	1	1	1	1	1	1	6	1	6	1	6	6
12	1	1	1	1	1	1	6	1	6	1	6	6
13	1	1	1	1	1	1	6	1	6	1	6	6
14	1	1	1	1	1	1	6	1	6	1	6	6
15	1	1	1	1	1	1	6	1	6	1	6	6
16	1	1	1	1	1	1	6	1	6	1	6	6
17	1	1	1	1	1	1	6	1	6	1	6	6
18	1	1	1	1	1	1	6	1	6	1	6	6
19	1	1	1	1	1	1	6	1	6	1	6	6
20	1	1	1	1	1	1	6	1	6	1	6	6
21	1	1	1	1	1	1	6	1	6	1	6	6
22	1	1	1	1	1	1	6	1	6	1	6	6
23	1	1	1	1	1	1	6	1	6	1	6	6
24	1	1	1	1	1	1	6	1	6	1	6	6
25	1	1	1	1	1	1	6	1	6	1	6	6
26	1	1	1	1	1	1	6	1	6	1	6	6
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44	1	1	1	1	1	1	6	1	6	1	6	6
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83	1	1	1	1	1	1	6	1	6	1	6	6
84	1	1	1	1	1	1	6	1	6	1	6	6
85	1	1	1	1	1	1	6	1	6	1	6	6
86	1	1	1	1	1	1	6	1	6	1	6	6
87	1	1	1	1	1	1	6	1	6	1	6	6
88	1	1	1	1	1	1	6	1	6	1	6	6
89	1	1	1	1	1	1	6	1	6	1	6	6
90	1	1	1	1	1	1	6	1	6	1	6	6
91	1	1	1	1	1	1	6	1	6	1	6	6
92	1	1	1	1	1	1	6	1	6	1	6	6
93	1	1	1	1	1	1	6	1	6	1	6	6
94	1	1	1	1	1	1	6	1	6	1	6	6
95	1	1	1	1	1	1	6	1	6	1	6	6
96	1	1	1	1	1	1	6	1	6	1	6	6
97	1	1	1	1	1	1	6	1	6	1	6	6
98	1	1	1	1	1	1	6	1	6	1	6	6
99	1	1	1	1	1	1	6	1	6	1	6	6
100	1	1	1	1	1	1	6	1	6	1	6	6
Total	100	100	100	100	100	100	600	100	600	100	600	600

Fig. Measuring attainment through Class Test

MEASURING CO ATTAINMENT THROUGH SLA (Self Learning Assessment) / Microproject				
Roll No.	Name of Student	SLA / Microproject		
		Marks	Y/N	
250160	BORGE GAURAV DNYANESHWAR	19	Y	
250168	DIVATE PRATHAMESH SANJAY	18	Y	
250169	KAMBLE SHREERHARSH PRITHVIRAJ	17		

MEASURING CO ATTAINMENT THROUGH SEMESTER END ASSESSMENT (SEA)																	
Sr. No.	Name of Student	TH-FSE	PR-FSE	SUM	PER	Course Outcome with weightage											
						AE3K02.1	AE3K02.2	AE3K02.3	AE3K02.4	AE3K02.5	AE3K02.1	AE3K02.2	AE3K02.3	AE3K02.4	AE3K02.5		
240153	TELANG PUSHPAKAR SANTOSH	40	23	63	66	9	Y	11	Y	11	Y	7	Y	9	Y	0	
240154	VIDHATE AVDHUT	36	21	57	60	8	Y	10	Y	10	Y	6	Y	8	Y	0	
240156	ZADAPE CHAITRALI SANJAY	15	21	36	38	5	N	6	N	6	N	4	N	5	N	0	
250166	BORGE GAURAV DNYANESHWAR	33	20	53	56	8	Y	9	Y	9	Y	6	Y	8	Y	0	
250168	DIVATE PRATHAMESH SANJAY	29	18	47	49	7	N	8	N	8	N	5	N	7	N	0	
250169	KAMBLE SHREERAKSHI	39	15	54	57	8	Y	9	Y	9	Y	6	Y	8	Y	0	
250170	BRITHADIAJI KARAN BAJAJ	42	23	65	68	10	Y	11	Y	11	Y	7	Y	10	Y	0	
CO Attainment						AE3K02.1	AE3K02.2	AE3K02.3	AE3K02.4	AE3K02.5							
Total No. of students (Y)						20	55.56	20	55.56	20	55.56	20	55.56	20	55.56		
Total No. of students (N)						16	44.44	16	44.44	16	44.44	16	44.44	16	44.44		

Fig. 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.

TOTAL CO ATTAINMENT (CIA + SEA)						
CIA CALCULATIONS						
CO Attainment	AE3K02.1	AE3K02.2	AE3K02.3	AE3K02.4	AE3K02.5	0
Total % of students meet attainment	100.00	98.15	86.11	99.07	99.07	
SEA CALCULATIONS						
CO Attainment	AE3K02.1	AE3K02.2	AE3K02.3	AE3K02.4	AE3K02.5	0
Total % of students meet attainment	55.56	55.56	55.56	55.56	55.56	
(30% * CIA + 70% * SEA) CALCULATIONS						
CO Attainment	AE3K02.1	AE3K02.2	AE3K02.3	AE3K02.4	AE3K02.5	0
SUMMATION OF CIA % + SEA %	68.89	68.33	64.72	68.61	68.61	

Fig. Integration of assessment result

TOTAL CO ATTAINMENT (CIA + 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	% of Students to get	51	% Marks
1	60			
2	65			
3	70			

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

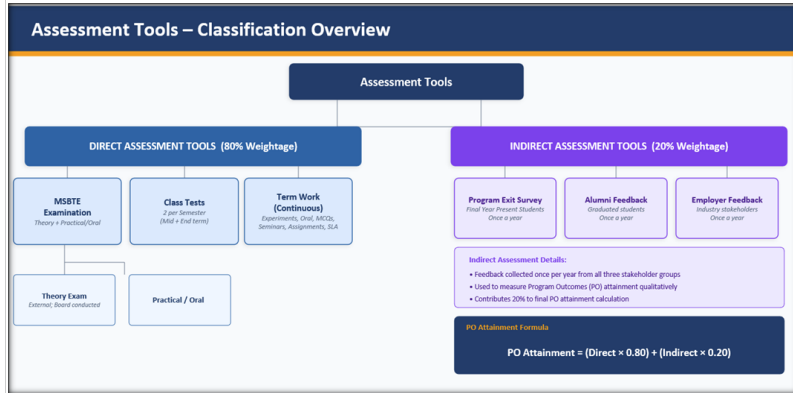
Attainment Level	Target Level
Level 1	60% students got 51% of marks in all internal and external assessment then considered to be attainment of "1".
Level 2	65% students got 51% of marks in all internal and external assessment then considered to be attainment of "2".
Level 3	70% students got 51% of marks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

CO PO AND PSO ATTAINMENT																					
CO ATTAINMENT										Level				Target							
AE3K02.1	AE3K02.2	AE3K02.3	AE3K02.4	AE3K02.5	0							1	60								
68.89 68.33 64.72 68.61 68.61												2	65								
												3	70								
% of Students to get														51							
% Marks																					
CO-PO AND CO-PSO MATRICES										DIRECT CO - PO & CO - PSO ATTAINMENT											
Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	Course Outcome / Program Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
AE3K02.1	3			3	2			3	2	2	AE3K02.1	2.00			2.00	1.33		2.00	1.33	1.33	1.33
AE3K02.2	3			3	2			3	2	2	AE3K02.2	2.00			2.00	1.33		2.00	1.33	1.33	1.33
AE3K02.3	3			3	2	3	3	3	3	2	AE3K02.3	1.00			1.00	0.67	1.00	1.00	0.67	0.67	0.67
AE3K02.4	3	3	3	3	2			3	2	2	AE3K02.4	2.00	2.00	2.00	2.00	1.33		2.00	1.33		1.33
AE3K02.5	3	3	3	3	2			3	3	2	AE3K02.5	2.00	2.00	2.00	2.00	1.33		2.00	2.00	1.33	1.33
0											0										
TOTAL	18	6	6	15	10	3	18	12	6	10	Average	1.80	1.80	1.80	1.80	1.00	1.80	1.40	1.11	1.20	1.20
Correlation Level	3.00	3.00	3.00	3.00	2.00	3.00	3.00	2.40	2.00	2.00											

Fig. Final CO PO PSO Attainment

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

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

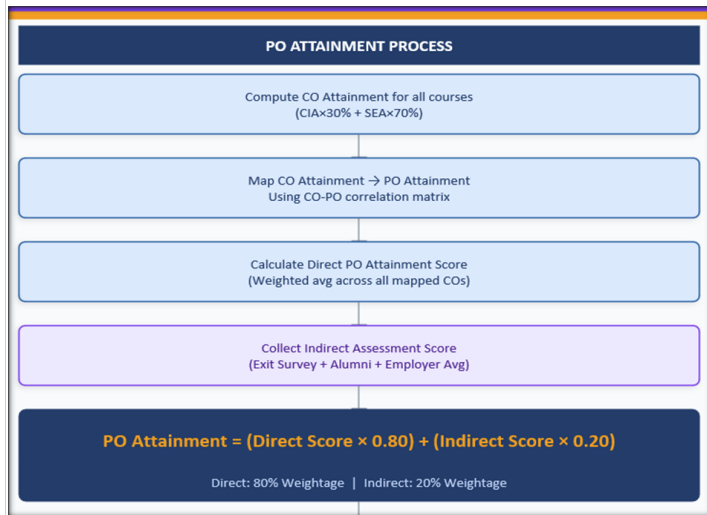
Class Tests are conducted progressively — one mid-semester and one at the end of the term. Questions are designed in alignment with Course Outcomes. Assignments and practice tests based on Course Outcomes are also administered to support student preparation and improve performance.

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.

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.

$$PO \text{ Attainment} = (Direct \text{ Assessment Score} \times 0.80) + (Indirect \text{ Assessment Score} \times 0.20)$$



PO Attainment Process

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

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C1101	1	0.42	0.33	0.33	0.33	0.33	0.33
C1102	1	1	0	0	0	2	2
C1103	3	1	1	2	1	1	1
C1104	1	0.67	0.33	0.33	0.67	0.33	0.33
C1105	2	1.33	1.33	3	1	1.67	1.67
C1106	0	0	0	0	3	0	0
C1107	3	0	0	2.80	2.20	3	1
C1108	1	0.73	0.73	0.67	0.00	0.67	0.33
C1201	0.87	0.86	0.44	0.44	0.40	0.33	0.40
C1202	3	1.33	1	1	1	1	2

C1202	3	1.33	0.33	1.33	2	2	1
C1203	1	1	0.67	0.67	0	0.67	0.67
C1204	1	0.87	0.67	0.67	0.5	0.33	0.33
C1205	1	0.67	0.67	0.67	0	0.67	0.67
C1206	1	1	1	0	1	3	1
C1207	0.33	0.44	0.33	0.33	0.93	0.93	1
C2301	0.60	0.67	0.40	0.67	0.33	0	0.33
C2302	1	1	1	1	0.67	1	1
C2303	1	0.67	0.50	0.67	0.50	0	0.50
C2304	0.67	1	0	0.93	0.67	0.67	1
C2305	3	2.50	1.67	1.25	1	1	1
C2306	1	2	0	1	2	0	1
C2307	3	2	0	1	1	0	1
C2401	1	1.33	2	0	2.80	1.67	2.75
C2402	1	0.80	1	0.87	0.87	0.67	0.80
C2403	1	0.75	0.67	0.87	0.67	1	0.67
C2404	1	0.92	0.92	1	0.67	0.99	1
C2405	1	0.67	0.67	0.89	0.67	0.93	0.87
C2406	2	2	2	3	0	1	2
C2407	2	1.33	1.33	2	0.67	0.67	1.17
C3501	0	2	3	0	2.67	0	3
C3502	0.60	0.67	0.56	0.33	0.87	0.67	0.53
C3503	2.20	3	2.60	3	2	2.60	3
C3504	2.60	2	1.50	1	1	1	1
C3505	2	0	0	2.33	1.92	2	2.44
C3506	2.60	2	1	0	1.80	1	2.20
C3507	2.40	2.40	3	2.60	2.80	2.60	2.80
C3508	1	2	2.33	1.83	1.83	1.83	1.83
C3601	2.80	2.20	2	2.60	2.75	2	2.80
C3602	3	2.50	1.83	1.83	2	1	1
C3603	2	2.33	0	2.40	2	1	1.50
C3604	0.78	0.78	0.83	0.67	0.80	0	0.67
C3605	3	2.80	2	3	2	1	1.20
C3606	1.83	1.83	1.83	1	2	1.5	1
C3607	2.80	3	2	2.60	2	1	2

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.68	1.42	1.23	1.40	1.34	1.23	1.27
InDirect Attainment	2.06	2.08	2.00	1.94	2.23	2.27	2.00
PO Attainment	1.76	1.55	1.38	1.51	1.52	1.44	1.42

PSO Attainment

Course	PSO1	PSO2	PSO3
C1101	0.67	0.33	0.73
C1102	1	1	2.20
C1103	2	1	1.00
C1104	0.56	0	0.67
C1105	0	3	2
C1106	0	0	0
C1107	3	1	2
C1108	0	0.87	1
C1201	0	0.40	0.33
C1202	1	1	0
C1202	2	1	1
C1203	0.67	1	0.47
C1204	0.67	0	0.50
C1205	0.58	0	1
C1206	1	2	2
C1207	0	0	0.67
C2301	0.67	0	0.33
C2302	0.80	0.67	0.67
C2303	0.93	0.73	0.40
C2304	0.73	0.67	0.67
C2305	1.75	1.50	1
C2306	0	0	1
C2307	2	2.20	1
C2401	2.40	1.42	2.08
C2402	0.87	0.73	0.53
C2403	1	0.73	0.73
C2404	0.93	0.67	0.73
C2405	0.87	0.92	1
C2406	0	3	2
C2407	1.83	1.17	1
C3501	2.60	1.50	2.25

C3502	0.60	0.47	0.87
C3503	2.60	3	2.60
C3504	2.80	1.60	2
C3505	2.11	0.78	2.28
C3506	0	1	3
C3507	3	2.40	2.80
C3508	2	2.17	2.83
C3601	0	0	2.40
C3602	2.17	1	2
C3603	2.83	2	2
C3604	0.67	0.67	0.60
C3605	3	3	2
C3606	2	1.20	1.67
C3607	3	2	2.80

PSO Attainment Level

Course	PSO1	PSO2	PSO3
Direct Attainment	1.59	1.35	1.41
InDirect Attainment	2.06	2.28	2.17
PSO Attainment	1.68	1.54	1.56

4 STUDENTS' PERFORMANCE (200)

Total Marks 110.74

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	60	60
Total number of students, admitted through state level counseling (N1)	58	55	42	59	40	12
Number of students, admitted through Institute level quota (N2)	0	1	0	2	0	0
Number of students, admitted through Lateral Entry (N3)	0	10	8	12	22	10
Total number of students admitted in the programme(N1 + N2 + N3)	58	66	50	73	62	22

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	58	0	0	0
2024-25	66	5	0	0
2023-24	50	1	6	0
2022-23 (LYG)	73	4	5	5
2021-22 (LYGm1)	62	4	6	6
2020-21 (LYGm2)	22	2	3	3

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	58	0	0	0
2024-25	66	22	0	0
2023-24	50	2	7	0
2022-23 (LYG)	73	15	21	21
2021-22 (LYGm1)	62	8	14	14
2020-21 (LYGm2)	22	5	8	8

4.1 Enrolment Ratio (20)

Total Marks 18.00

Institute Marks
18.00

	N (From Table 4.1)	N1 + N2 (From Table 4.1)	Enrolment Ratio [(N1 + N2 / N)*100]
2025-26	60	58	96.67
2024-25	60	56	93.33
2023-24	60	42	70.00

Average [(ER1 + ER2 + ER3) / 3] : 86.67

Assessment : 18.00

4.2 Success Rate in the stipulated period of the program (60)

Total Marks 9.87

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

Institute Marks
4.00

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)	73.00	62.00	22.00

(N1 + N2 + N3)			
Number of students who have graduated without backlogs in the stipulated period (Y)	5.00	6.00	3.00
Success Index [SI = Y / X]	0.07	0.10	0.14

Average SI [(SI1 + SI2 + SI3) / 3] : 0.10

Assessment [40 * Average SI] : 4.00

4.2.2 Success rate in stipulated period (20)

Institute Marks

5.87

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)	73.00	62.00	22.00
Number of students who have passed in the stipulated period (Y)	21.00	14.00	8.00
Success Index [SI = Y / X]	0.29	0.23	0.36

Average SI [(SI1 + SI2 + SI3) / 3] : 0.29

Assessment [20 * Average SI] : 5.87

4.3 Academic Performance in First Year (25)

Total Marks 3.52

Institute Marks

3.52

Academic Performance	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
Mean of CGPA or mean percentage of all successful students(X)	6.17	5.70	6.27
Total number of successful students(Y)	22.00	2.00	15.00
Total number of students appeared in the examination(Z)	56.00	42.00	61.00
API [X*(Y/Z)]:	2.42	0.27	1.54

Average API [(AP1 + AP2 + AP3)/3] : 1.41

Assessment [2.5 * AverageAPI] : 3.52

4.4 Academic Performance in Second Year (20)

Total Marks 8.31

Institute Marks

8.31

Academic Performance	2023-24(CAYm2)	2022-23(CAYm3)	2021-22(CAYm4)
Mean of CGPA or mean percentage of all successful students(X)	6.67	6.62	5.67
Total number of successful students (Y)	7.00	21.00	14.00
Total number of students appeared in the examination (Z)	10.00	27.00	30.00
API [X * (Y/Z)]	4.67	5.15	2.65

Average API [(AP1 + AP2 + AP3)/3] : 4.16

Assessment [2.0 * AverageAPI] : 8.31

4.5 Academic Performance in Final Year (15)

Total Marks 11.04

Institute Marks

11.04

Academic Performance	2022-23 (LYG)	2021-22 (LYGm1)	2020-21 (LYGm2)
Mean of CGPA or mean percentage of all successful students(X)	7.05	7.31	7.73
Total number of successful students(Y)	21.00	14.00	8.00
Total number of students appeared in the examination(Z)	21.00	14.00	8.00
API [X*(Y/Z)]:	7.05	7.31	7.73

Average API [(AP1 + AP2 + AP3)/3] : 7.36

Assessment [1.5 * AverageAPI] : 11.04

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)	21.00	14.00	8.00
No of students placed in the companies or government sector(X)	16.00	9.00	7.00
No of students admitted to higher studies (Y)	1.00	4.00	1.00
No. of students turned entrepreneur in the respective field of engineering/technology (Z)	0.00	1.00	0.00
Placement Index [((1.25 * X) + Y + Z) / N]:	1.00	1.16	1.22

Average Placement [(P1 + P2 + P3)/3] : 1.13

Assessment [40 * Average Placement] : 45.20

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 : Automobile Engineering

Assessment Year : 2024-25 (CAYm1)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	CILVERI GANESH SHEKHA	2209890009	B.U.BHANDARI WAKAD PU	
2	DUTE TUSHAR BUDHA	2209890012	Bosch Chassis Systems Pv	
3	GHOLE PRATIK GOVIND	2209890016	B.U.Bhandari Wakad Pune	
4	JAGTAP ATHARVA ANANT	2209890019	Bharat Star Service Pvt,Ltd	
5	MAHAPURE ANIMESH ANIL	2209890033	Bharat Star Service Pvt,Ltd	
6	PATIL MANAS SHALIK	2209890039	Elkir-India, Chakan, Pune	
7	SANKALPADITYA KIRTIKUMAR	2209890044	IKZK Dosing and Dispensir	
8	TAPKIR VAISHNAVI BALU	2209890053	Bosch Chassis Systems Pv	
9	TRIBHUVAN AVISHKAR BALU	2209890056	Bosch Chassis Systems Pv	
10	ZENDE ROHIT SANDIP	2209890060	Bharat Star Service Pvt,Ltd	
11	KHOLE GANDHARVA ANAN	23212280048	Bosch Chassis Systems Pv	
12	MORE AKANKSHA BABU	23212280049	Bosch Chassis Systems Pv	
13	POTDAR PRATIK RAJENDR,	23212280050	B.U.Bhandari Hadapsar	
14	SONSARE ATHARVA KISHOR	23212280051	Bharat Star Service Pvt,Ltd	
15	SUDRIK RAHUL SONAJI	23212280053	Elkir-India, Chakan, Pune	
16	TUSHAR JOTIRAM UBALE	23212280054	B.U.Bhandari Hadapsar	

Assessment Year : 2023-24 (CAYm2)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	GAWADE SHIVENDRA ASH	2109890008	BU Bhandari,Wakad,Pune	
2	KHARAT GAURAV BABASA	2109890016	BU Bhandari,Wakad,Pune	
3	SURYAWANSHI YASH PADP	2109890033	BU Bhandari,Wakad,Pune	
4	TANDEL CHAITANYA DINESH	2109890034	Mody Skoda, Mumbai	
5	CHANDBODHLE SANDIP M	2209890402	BU Bhandari,Wakad,Pune	
6	RANE SAIRAJ DASHRATH	2209890412	Garve Skoda	
7	TUSHAR DASHRATH GADG	2209890418	Garve Skoda	
8	MARNE SAHIL SURYAKANT	2109890019	BU Bhandari,Wakad,Pune	
9	VIBHUTE PRATIK RAJKUMAR	2109890036	Fluid Control Pvt Ltd Talega	
10	WHANALE PRATIK GOVIND	2109890038	Entrepreneur	

Assessment Year : 2022-23 (CAYm3)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	HARGE NITIN JALINDAR	2009890004	Bajaj Auto Limited,Akurdi	
2	HAVALADAR ANISH SANTO	2009890005	Bajaj Auto Limited,Akurdi	
3	SUKRE ABHISHEK SAMBHA	2009890011	Bajaj Auto Limited, Akurdi	
4	TOGARE AJAY MARUTI	2009890013	Bajaj Auto Limited, Akurdi	
5	PARIHAR MAHESHING RA	2109890326	Bajaj Auto Limited, Akurdi	
6	PATOLE ADITYA RAJENDR	2109890327	Crystal Honda, Bavdhan	
7	SHAIKH SHAHBAZ ALI JOU	2109890330	Jubilant Audi Hinjewadi	

4.7 Professional Activities (20)

Total Marks 20.00

4.7.1 Professional societies/ 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.

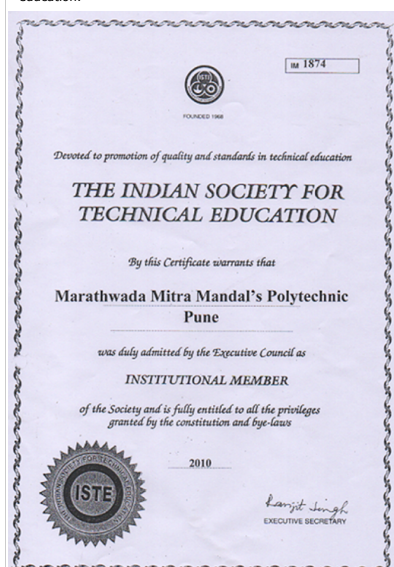


Fig. 4.1 ISTE Certificate

2. Automobile Engineering Students' Association (AES)

- Establishment of Association: The Department of Automobile Engineering has established the Students' Association of Automobile Engineering (AESA) under the guidance of Mr. Gundla R.J. and coordinated by Mrs. Nadimeta S.A.
- Structure of Association: AESA 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: AESA provides opportunities for students to participate in technical, co-curricular, cultural, and professional development activities.



MARATHWADA MITRA MANDAL'S
POLYTECHNIC
 THERGAON, PUNE - 411 033.



Automobile Engineering Student Association
(AESA) 2024-25



Ankush Kalaskar
President
 9356948489



Sankalp Ingavale
Vice-President
 9322744881



Atharva Sansare
Treasurer
 7820891951



Vaishnavi Tapkir
Cultural Head
 8999866977



Shivam Chobhe
Technical Head
 8767464017



Partik Ghole
Sports Head
 7709654857



Roshan Bansode
Secretary



Prasad Suryawanshi
Member



Ganesh Chaur
Member



Aniket Suryawanshi
Member

MRS. NADIMETLA S. A
 Faculty Co-ordinator

MR. R. J GUNDLA
 HOD

MRS. GEETA JOSHI
 Principal

Fig. 4.2 Automobile Students Association



Fig. Automotive Skill Development Council Certificate

B. Number, quality of engineering events (5)

Institute Marks

5.00

Table No. 4.7.1 (A) Activities conducted under student chaptership

Sr. No.	Academic Year	Name of Engineering Event	Type of Event (Seminar/ Workshop/Expert Lecture/ Competition/ Industrial Visit)	Department/ Club Organized	Date	No. of Participants	Resource Person / Industry Expert	Industry/ Institute Affiliation	Outcome / Quality Indicators	Evidence Available
1	2023-24	Project Competition 2023	Technical Competition	Automobile Engineering Department	11/03/2024	20	Mr. Abhishek Shinde	Institute Level	Practical exposure provided. Innovation and teamwork promoted	Report, Photos, Feedback
2	2023-24	Environmental Studies Microproject Exhibition	Microproject Competition	Automobile Engineering Department	20/09/2026	70	-	Institute Level	Practical exposure provided. Innovation and teamwork promoted	Report, Photos, Feedback
2	2024-25	Techno fest	Technical Competition	Automobile Engineering Department	15/02/2025	50	Mr. Sunil Bengale Mr. Vinod Mali	Institute Level	Practical exposure provided. Innovation and teamwork promoted	Report, Photos, Feedback
3	2024-25	Two-Wheeler Workshop and skill Contest	03 Days Workshop	Automobile Engineering Department	24/09/2024-25/9/2024	40	Mr. Nitin Ranade & Mr. Anup Anand	Department Level	Hands-on Practice on Maintenance of Two-wheeler vehicle	Report, Photos, Feedback

4	2025-26	NxtGen 2K26	Technical Competition	Automobile Engineering Department	14/04/2026	9	Mr. Amol Jadhav	Institute Level	Practical exposure provided. Innovation and teamwork promoted	Report, Photos, Feedback
5	2025-26	Two-Wheeler Workshop and skill Contest	03 Days Workshop	Automobile Engineering Department	16 th February-18 th February 2026	37	Mr. Somsundar Menon Mr. Milind Kulkarni	Department Level	Hands-on Practice on Maintenance of Two-wheeler vehicle	Report, Photos, Feedback

Table No. 4.7.1 (B) Certification Courses Completed by students Under the ASCD professional Body

Sr. No.	Roll No.	Name	Certification completed
1	250175	Mayur Sonawane	1. Automotive Air conditioning system
2	250173	Aditya Sapkal	1. Basics of Automobile
3	250174	Payal Shelke	1. Level 1- Charger installation to activation mastery conducted by BOLTEARTH
4	230112	Dhiraj Mahamuni	1. Automotive Air conditioning system 2. Battery and battery management system 3. Automotive Air conditioning system (Hindi)
5	230114	Utkarsh Gavade	1. Automotive system 2. Eicher Tipper Trucks 3. LNG Vehicle Technology
6	240101	Aryan Chaudhari	1. Automotive Air conditioning system 2. Basics of Electric Vehicle 3. Fundamentals of digital marketing
7	240105	Geetanjali Chavan	1. Automotive Air conditioning system
8	240109	Aditya Gaikwad	1. Automotive Air conditioning system
9	240112	Ritesh Gavale	1. Automotive Air conditioning system
10	240119	Amaan Khan	1. Basics of Automobile 2. Automotive Air conditioning system 3. Fundamentals of digital marketing
11	240123	Mayur Bokke	1. Basics of electric vehicle 2. Eicher Tipper trucks
12	240127	Om Shinde	1. Automotive Air conditioning system 2. Eicher TipperTrucks 3. Basics of Electric Vehicle
13	240134	Prem Kamble	1. Automotive Air conditioning system
14	240143	Vinayak Sonar	1. Automotive Air conditioning system
15	240145	Harsh Suravase	1. Basics of Automobile
16	240146	Kedar Survase	1. Automotive Air conditioning system 2. Basics of automobile
17	240147	Priti Survase	1. Basics of Automobile
18	240148	Sagar Suryavanshi	1. Automotive Air conditioning system
19	240149	Aditya Takale	1. Automotive Air conditioning system
20	240151	Dipak Tarde	1. Automotive Air conditioning system
21	240152	Pushkar Telange	1. Automotive Air conditioning system
22	240154	Avdhut Vidhate	1. Automotive Air conditioning system
23	240156	Chaitrali Zadape	1. Eicher Tipper trucks 2. Basics of Automobile

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

Sr. No.	Name of the Newsletter	Chief Editor	Editorial Committee
1	News Letters AY 2025-26		
	Volume I (Winter 2025)	Ms. Nemade L.P.	Mrs. Nadimeta S.A.
	Volume II (Summer 2026)	Mr. Suryavanshi P.N.	Ms. Herlekar M.M.

2	News Letters AY 2024-25		
	Volume I (Winter 2024)	Mrs. Nadimeta S.A.	Ms. Herlekar M.M.
	Volume II (Summer 2025)	Ms. Shinde S.S.	Mr. Valvi D.R.
3	News Letters AY 2023-24		
	Volume I (Winter 2023)	Mr. Gundla R.J.	Mrs. Nadimeta S.A.
	Volume II (Summer 2024)	Ms. Herlekar M.M.	Mr. Valvi D.R.

Fig 4.5 The Auto Edge Magazine

B. Participation of Students from the program (2)

Institute Marks

2.00

Student Participation for Magazine (AY 2024-25)			
Sr. No.	Name of Student	Class	Participation
1	SONAR VINAYAK PRADEEPKUMAR	First Year	Technical Article
2	TELANGA PUSHKAR SANTOSH	First Year	Technical Article
3	CHAVAN GEETANJALI GITTESHWAR	First Year	Technical Article
4	KHAN AMAAN SAJID	First Year	Technical Article
5	ADSUL SIDDHARTH MADHUKAR	Second Year	Technical Article
6	BHOSALE PARTH RAJU	Second Year	Technical Article
7	SURYAWANSHI PRASAD VINAYAK	Second Year	Technical Article
8	BALSARAF OMKAR NARAYAN	Third Year	Technical Article
9	SAMAGE SHUBHAM BHAUSAHEB	Third Year	Technical Article
10	DANDE ANANT UMESH	Third Year	Technical Article

11	GHAROLE VISHNU KASHINATH	Third Year	Technical Article
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4.7.3 Participation in inter-institute / state/national events by students of the program of study (5)

Institute Marks

5.00

Sr. no	Academic Year	Name of Students	Class	Event Name & Venue	Date	Level (Inter Institute/State/National)	Organizing Institute	Participation	Technical
1	AY 2023-24	Mr. Yash Suryawanshi	First Year	Project Competition – Model Making from Metal Scrap	29/11/2021	Inter Institute	M. M. Polytechnic	First	Technical Event
2	AY 2023-24	Ms. Rutuja Rathod	Third Year	Lathe War	12/04/2023	Inter Institute	M. M. Polytechnic	Participant	Technical Event
3	AY 2023-24	Mr. Ashutosh kale	Third Year	Mamitram (Online Kahoot Quiz)		Inter Institute	M. M. Polytechnic	Participant	Technical Event
4	AY 2023-24	Mr. Yash Suryawanshi	Third Year	Marathon	12/02/2023	Inter Institute	M. M. Polytechnic	Third	Non-Technical Event
5	AY 2023-24	Mr. Shourya Chakre	First Year	Project Competition – Model Making from Metal Scrap	29/11/2021	Inter Institute	M. M. Polytechnic	First	Technical Event
6	AY 2023-24	Mr. Pratik Vibhute	Third Year	Mamitram (Online Kahoot Quiz)		Inter Institute	M. M. Polytechnic	Second	Technical Event
7	AY 2024-25	Mr. Suryawanshi Prasad	Second Year	Intercollegiate project competition- Tech Titans 2K-25 (PCP Akurdi, Pune)	20/03/2025	Inter Institute	PCP Akurdi Pune	Participation	Technical Event
8	AY 2024-25	Mr. Akip Shaikh	Second Year	Intercollegiate project competition- Tech Titans 2K-25 (PCP Akurdi, Pune)	20/03/2025	Inter Institute	PCP Akurdi Pune	Participation	Technical Event
9	AY 2024-25	Mr. Priyanka Gawade	Second Year	Intercollegiate project competition- Tech Titans 2K-25 (PCP Akurdi, Pune)	20/03/2025	Inter Institute	PCP Akurdi Pune	Participation	Technical Event
10	AY 2024-25	Mr. Suryawanshi Prasad	Second Year	Project competition – Techno fest 2K25	15/02/2025	Inter Institute	M. M. Polytechnic	Winner	Technical Event
11	AY 2024-25	Mr. Akip Shaikh	Second Year	Project competition – Techno fest 2K25	15/02/2025	Inter Institute	M. M. Polytechnic	Winner	Technical Event
12	AY 2024-25	Mr. Priyanka Gawade	Second Year	Project competition – Techno fest 2K25	15/02/2025	Inter Institute	M. M. Polytechnic	Winner	Technical Event
13	AY 2024-25	Mr. Anant Dande	Second Year	Project competition – Techno fest 2K25	15/02/2025	Inter Institute	M. M. Polytechnic	Winner	Technical Event
14	AY 2025-26	Mr. Vinayak Sonar	Second Year	Two-Wheeler workshop	14/02/2026	Inter Institute	M. M. Polytechnic	2 nd Winner (Quiz Competition)	Technical Event
15	AY 2025-26	Mr. Vinayak Sonar	Second Year	Two-Wheeler workshop	14/02/2026	Inter Institute	M. M. Polytechnic	1 st Winner (Practical Skill Contest)	Technical Event
16	AY 2025-26	Mr. Vinayak Sonar	Second Year	Two-Wheeler workshop	14/02/2026	Inter Institute	M. M. Polytechnic	1 st Winner (Poster Presentation)	Technical Event
17	AY 2025-26	Mr. Om Shinde	Second Year	Two-Wheeler workshop	14/02/2026	Inter Institute	M. M. Polytechnic	3 rd Winner (Practical Skill Contest)	Technical Event
18	AY 2025-26	Ms. Priti Surwase	Second Year	Two-Wheeler workshop	14/02/2026	Inter Institute	M. M. Polytechnic	3 rd Winner (Poster Presentation)	Technical Event
19	AY 2025-26	Mr. Gharole Vishnu Kashinath Mr. Dande Anant Umesh Mr. Balsaraf Omkar Narayan Mr. Samage Shubham Bhausaheb Mr. Wabale Aditya Chandrashekhar	Third Year	NXTGEN-2K26	14/03/2026	State Level	M. M. Polytechnic	Participant	Technical Event
20	AY 2025-26	Mr. Surwade Sumit Sudhakar Mr. Birajdar Pranit Govind Mr. Bobade Balaji Bapu Mr. Ubale Omkar Jotiram	Third Year	NXTGEN-2K26	14/03/2026	State Level	M. M. Polytechnic	Participant	Technical Event

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)								
Mr. Gundla R.J.	M.E.	Heat Power Automobile Engine	100	88	100			HOD	10/08/2011	Regular	Yes		No
Mrs. Herlekar M.M.	M.E.	Heat Power	100	100	100	1		Lecturer	20/02/2019	Regular	Yes		No
Mrs. Nadimetha S.A.	B.E.	Mechatronics	100	100	100	3		Lecturer	08/08/2022	Regular	Yes		No
Ms. Shinde S.S.	B.E.	Mechatronics	100	70	100	3		Lecturer	17/07/2023	Regular	Yes		No
Mr. Ghogare S.P.	M.Sc (Maths)	Mathematics	50	56	0			HOD	21/07/2008	Regular	Yes		No
Dr. Lakhe M.C.	Ph.D	Chemistry	33	0	0			Lecturer	06/07/2013	Regular	Yes		No
Mr. Valvi D.R.	B.E.	Automobile	0	80	80			Lecturer	12/08/2022	Regular	No	06/10/2025	No
Mr. Shinde S.S.	B.E.	Design	0	54	0			Lecturer	31/07/2024	Regular	No	06/10/2025	No
Mr. Salunke B.S.	M. Sc (Physics)	Physics	0	15	0			Lecturer	08/01/2008	Regular	Yes		No
Ms.Shete A.P.	M. Sc (Physics)	Physics	0	24	0			Lecturer	01/08/2024	Regular	Yes		No
Ms. Nemade L.P.	M.Tech	Thermal Engineering	100	0	0			Lecturer	28/07/2025	Regular	Yes		No
Mr. Dangat A.M.	M. Sc (Physics)	Physics	32	0	0			Lecturer	04/08/2025	Regular	Yes		No
Mrs. Jadhav J.S.	MA (English)	English	19	0	0			Lecturer	01/07/2025	Regular	Yes		No
Mrs. Sabnis M.J.	M.Phil	Chemistry	0	38	0			Lecturer	18/06/2024	Regular	No	17/05/2025	No
Mrs. Deshmukh V.A.	MA (English)	English	11	13	0			Lecturer	01/09/2021	Regular	Yes		No
Mr. Bagale N.R.	M.E.	Manufacturing	0	0	86			Lecturer	17/07/2023	Regular	No	31/05/2024	No
Mr. Kesharwanil S.R.	M.Sc (Maths)	Mathematics	0	0	47			Lecturer	17/02/2022	Regular	Yes		No
Ms. Meher AA.	M.Sc	Physics	0	0	37			Lecturer	14/08/2023	Regular	No	31/05/2024	No
Ms. Dahale AA.	M.Sc	Chemistry	0	17	35			Lecturer	27/12/2021	Regular	Yes		No
Mr. Randive J.D.	MA (English)	Literature	0	0	30			Lecturer	08/08/2022	Regular	Yes		No
Mrs. Tejal Motankar	M.Sc (Maths)	Mathematics	8	0	0			Lecturer	01/08/2024	Regular	Yes		No
Mr.Suryawanshi P.N.	M.E.	Heat Power	100	0	0			Lecturer	25/08/2025	Regular	Yes		No
Mrs. Jadhav R.R.	B.E.	CIVIL	0	25	25			Lecturer	08/08/2022	Regular	Yes		No
Ms. S.P.Patil	B.E.	Electrical	0	0	25			Lecturer	24/07/2023	Regular	Yes		No

5.1 Student-Faculty Ratio (SFR) (25)

Total Marks 20.00

Institute Marks
20

Year	N	F	SFR=N/F
2025-26(CAY)	192	7.53	25.50
2024-25(CAYm1)	192	6.80	28.24
2023-24(CAYm2)	192	7.65	25.10

Average SFR : 26.28

Assesment SFR : 20

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)	11	0
2024-25(CAYm1)	11	0
2023-24(CAYm2)	10	0

5.2 Faculty Qualification (25)

Total Marks 20.08

5.2.1 Faculty Qualification Index (20)

Institute Marks
15.08

	X	Y	F	FQ = 2 x [(10X + 7Y) / F]
2025-26	4	3	8.00	15.25
2024-25	2	5	8.00	13.75
2023-24	3	5	8.00	16.25

Average Assessment : 15.08

5.2.2 Availability of Faculty/principal of that discipline with PHD. Qualification (5)

Institute Marks
0Availability of Faculty/principal of that discipline with Ph.D. Qualification ? :

5.3 Faculty Retention (20)

Total Marks 20.00

Institute Marks
20.00

Description	2024-25 (CAYm1)	2025-26 (CAY)
No of Faculty Retained	9	8

Total No. of Required Faculty	9	9
% of Faculty Retained	100	89

Average : 94.44

Assessment Marks : 20.00

5.4 Faculty as participants in Faculty development/training activities conducted by other organizations (30)

Total Marks 29.37

Institute Marks
29.37

Name of the faculty	Max 5 Per Faculty		
	2022-23 (CAYm3)	2023-24 (CAYm2)	2024-25 (CAYm1)
Mr. Bagale N.R.	2.00	3.00	0.00
Mr. Ghogare S.P.	0.00	2.00	0.00
Mr. Gundla R.J.	3.00	3.00	3.00
Mr. Shinde S.S.	0.00	0.00	0.00
Mr. Valvi D.R.	3.00	3.00	2.00
Mr.Suryawanshi P.N.	3.00	3.00	3.00
Mrs. Herlekar M.M.	2.00	3.00	3.00
Mrs. Nadimetta S.A.	3.00	3.00	2.00
Ms. Nemade L.P.	2.00	3.00	2.00
Ms. Shinde S.S.	0.00	5.00	5.00
Sum	18.00	28.00	20.00
RF = Number of Faculty required to comply with 25:1 SFR as per 5.1	7.68	7.68	7.68
Assessment [6*(Sum / 0.5RF)](Marks limited to 30)	28.12	30.00	30.00

Average assessment over 3 years (Marks limited to 30): 29.37

5.4. a. Organized/ Conducted FDPs and STTP by this department at State / National Level (12)

Total Marks 8.00

Institute Marks
8.00

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	2023-2024	Moderation methods workshop (Teaching Pedagogy)	State	29/09/2023 To 30/09/2023	Offline	SKODA AUTO Volkswagen India Private Limited.	28	Mr. Mukul-Pal Chowdhury , Head - Group Training Academy, SKODA AUTO Volkswagen India Private Limited.	Mr. Gundla R.J.	1. Enhanced Teaching Effectiveness through Diverse Moderation Techniques 2. Improved Capability to Select and Apply Suitable Teaching Methods 3. Professional Development in Content Design and Delivery Skills
2	2024-2025	Curriculum Implementation for Faculty Development	Institute	24/06/2024 To 03/07/2024	Offline	Maharashtra State Faculty Development Academy (MSFDA), Indian Institute of Science Education and Research(ISSER)	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	1. Effective Curriculum Delivery and Planning. 2. Enhanced Pedagogical and Instructional Practices 3. Continuous Professional Growth and Quality Improvement
3	2024-2025	Basic Qualification Technology Training	National	8/12/2025 To 12/12/2025	Offline	SKODA AUTO Volkswagen India Private Limited.	20	Mr. Mahesh Deshmukh (Technical Trainer) M. M. Polytechnic, Pune	Mr. Gundla R.J.	1. Develop fundamental knowledge of automobile systems and maintenance practices. 2. Enhance practical skills in diagnostics, servicing, and modern vehicle technologies. 3. Improve teaching effectiveness through updated knowledge and industry-oriented methods.
4	2025-2026	BQ Basic Electrical Training	National	16/02/2026 To 20/02/2026	Offline	SKODA AUTO Volkswagen India Private Limited.	20	Mr. Atmaram Desai (Technical Trainer, SKODA AUTO Volkswagen India Private Limited.	Mr. Gundla R.J.	1. Develop fundamental knowledge of automobile electrical systems and components. 2. Enhance practical skills in electrical diagnostics, servicing, and troubleshooting.

2. Head of Department 3. Principal 4. Peer Group	
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 I Student I Head of Department I Principal I Peer Group I 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: -

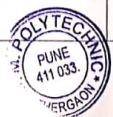
Designation: -

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			



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	Class/ Course	Subject Taught	Average result of same subject for last year in institute	Current result of your subject	Percentage improvement in the result	Average of column (6)	Percentage improvement and maximum marks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(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): -----



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): -



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—



- 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): -



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

B. Its implementation and effectiveness (15)

Institute Marks

15.00

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:

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

Institution:

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



C. Details of qualification up-gradation of faculty (10)

Institute Marks

10.00

The institute actively encourages and supports faculty members in pursuing higher qualifications, recognizing that academic advancement significantly contributes to institutional growth and quality enhancement. Faculty are motivated to enroll in postgraduate and doctoral programs, and the institute facilitates this through provisions such as on-duty status, special study leave, and flexible academic arrangements. These supportive measures enable faculty to effectively balance their academic pursuits with professional responsibilities. As a result, during the assessment period, one faculty member is currently pursuing a Ph.D., while two faculty members are enrolled in Master's programs. This reflects the strong commitment of the Automobile Engineering department towards continuous academic improvement. Such qualification up-gradation enhances the subject expertise, teaching effectiveness, and research orientation of faculty members, ultimately benefiting students through improved learning outcomes and exposure to advanced technological developments.

Sr. No	Name of faculty	Qualifications at the time of Joining	Date of Joining	Latest Qualification	Status (Pursuing / Completed)
1	Mrs. Herlekar M.M.	BE (Mechanical)	20/02/2019	Ph.D.	Pursuing
2	Mrs. Nadimetla S.A.	BE (Mechanical)	08/08/2022	ME Mechanical (Mechatronics)	Pursuing
3	Ms. Shinde S.S.	BE (Mechanical)	17/07/2023	ME Mechanical (Mechatronics)	Pursuing
4	Mr. Suryawanshi P.N.	BE (Mechanical)	25/08/2025	Level Fourth Certificate in Leading Internal Quality Assurance of Assessment Processes and Practices	2026

6 FACILITIES AND TECHNICAL SUPPORT (100)

Total Marks 96.00

6.1 Availability of adequate, well equipped classrooms to meet the curricular requirements (10)

Total Marks 9.00

Institute Marks

9.00

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 classrooms are presented in following Table 6.1

Table No. 6.1.1 Details of classroom adequacy

Sr. No.	Particulars	Available Quantity	Required as per norms	Adequacy Status	Quality Features / Remarks
01	Total Number of Classrooms	02	1.5	Adequate	Spacious and ventilated
02	Carpet Area of Classroom	67.83 Sqm per classroom.	66 Sqm per classroom	Adequate	As per norms
03	Seating Capacity per classroom	60 to 75	60	Adequate	Sufficient for student strength
04	Smart Classrooms / ICT Enabled Rooms	01	-	Adequate	Interactive board, internet, audio system
05	Blackboard/ Whiteboard Facilities	02	02	Adequate	Clearly visible from all corners
06	Classroom Furniture Condition	Yes	-	Adequate	Comfortable benches and desks
07	Lighting and Ventilation	Yes	-	Adequate	Natural and electrical lighting, Fans
08	Safety Measures	Yes	-	Adequate	Fire safety, emergency exits
09	Maintenance Status	Regular	-	Satisfactory	Cleanliness and upkeep
10	Power Backup Facilities	Yes	-	Adequate	Generator support
11	Additional Learning Facilities	Yes	-	Adequate	Charts, Time table display

Related Documents copy:

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

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#S	1(Up to an intake of 600) +1 for an intake of 601-1200	132

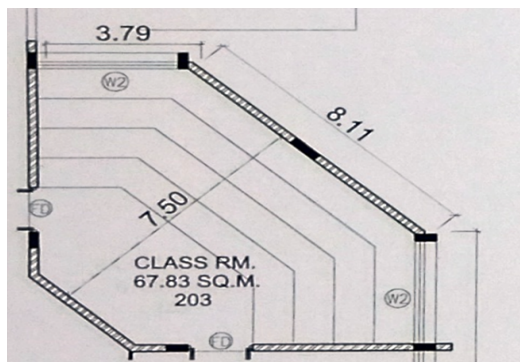


Fig No. 6.1.1 Classroom Layout



Fig No. 6.1.2 Classroom Structure

6.2 Availability of adequate and well-equipped workshops, Laboratories and Technical manpower to meet the curriculum requirements (40)

Total Marks 38.00

A. Adequacy (10)

Institute Marks

9.00

The available laboratories are adequate in number, progressively structured, and appropriately distributed across foundational, core, and advanced domains of the curriculum. The laboratories are sufficient to meet syllabus requirements, practical course outcomes, project work, and emerging technology exposure for Mechanical Engineering students.

- Adequate, well-equipped laboratories to meet the curriculum requirements and the POs and PSOs-YES
- Availability of equipment to run experiments and their maintenance- YES
- Availability of computing facilities in the department -YES
- Availability of laboratories with technical support within and beyond working hours -YES
- Availability of laboratory periodic audit - YES
- Availability of laboratory periodic maintenance -YES
- Availability of server facility in the department (CAD laboratory) -YES

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	—	20 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

Sr. No.	Particulars	Required as per AICTE / Curriculum Norms	Available	Adequacy Status	Quality / Remarks
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	Cam Software- Cimatron available.
11	Compliance with AICTE Norms	—	Yes	No deficiency	As per Approval Process Handbook
12	Additional Facilities	—	Yes	Adequate	Centre of Excellence (COE)

Availability of Laboratories to meet the curriculum requirements

Table No. 6.2.1 Laboratories Adequacy

Sr. No.	Name of the Laboratory	Max. No. of students per (Batch)	Area (Sq. m.)	Major Equipment available	Adequacy Status
1	Automobile Transmission System	30	66	<ul style="list-style-type: none"> Gearbox Models Clutch Assembly, Four wheeler chassis, Differential Unit Wheels and Tires 	Adequate and Well-Equipped
2	Automobile Engine	30	66	<ul style="list-style-type: none"> Petrol & Diesel Engines, Engine Cut Sections, Engine Test Rigs PUC Testing. 	Adequate and Well-Equipped
3	Automobile Systems & Body Engineering	30	66	<ul style="list-style-type: none"> Model of Hydraulic Power Steering Rack & pinion Steering Assembly Model of Car Air Conditioning System Worn & Sector Steering Assembly. 	Adequate and Well-Equipped
4	Automobile Electrical & Electronics	30	66	<ul style="list-style-type: none"> Starter Motor, Alternator Electrical Demo Bench Two & Four wheeler Wiring Board Electrical testing instruments Vehicle electrical components. 	Adequate and Well-Equipped
5	Vehicle Maintenance and Garage practices	30	120	<ul style="list-style-type: none"> Two and Four-wheelers vehicle Repair and Service tools Two post lift Diagnostic Tool. Denting and painting tools 	Adequate and Well-Equipped
6	Computer Aided Design and Drafting (CAD)	30	66	<ul style="list-style-type: none"> Computers with CAD Software Printer Internet Facility Projector PC 	Adequate and Well-Equipped
7	Applied Mechanics Lab	30	66	<ul style="list-style-type: none"> Universal testing machine Extensometer Impact test machine Torsion testing machine Rockwell hardness tester Brinell hardness teste Fatigue testing machine 	Adequate and Well-Equipped
8	Physics Lab	30	66	<ul style="list-style-type: none"> Barometer Millimeter Power Supply Thermocouple Voltmeter 	Adequate and Well-Equipped
9	Chemistry Lab	30	66	<ul style="list-style-type: none"> Lab Oven with digital temp. indicator and Controller Digital Electronic balance capacity 300-0.01 gm. B.R.Instrument 	Adequate and Well-Equipped

Availability of workshop

Table No.6.2.2 Workshop Adequacy

Sr. No.	Name of the shop	No. of students per setup (Batch Size)	Major Equipment available	Adequacy Status
1	Fitting Section	30	<ul style="list-style-type: none"> PPE kit Workbenches Vices Files Hacksaws Marking Tools 	Adequate and Well-Equipped
2	Black Smithy Section	30	<ul style="list-style-type: none"> PPE kit Forge Furnace 	Adequate and Well-Equipped

			<ul style="list-style-type: none"> Anvil Hammers 	
3	Carpentry Section	30	<ul style="list-style-type: none"> PPE kit Carpentry Tools Workbenches Wood Cutting Tools 	Adequate and Well-Equipped
4	Welding Section	30	<ul style="list-style-type: none"> PPE kit Jig Saw Safety Equipment 	Adequate and Well-Equipped
5	Sheet Metal Shop	30	<ul style="list-style-type: none"> PPE kit Sheet Cutting Tools Bending Machine 	Adequate and Well-Equipped
6	Press shop	30	<ul style="list-style-type: none"> Fly Machine Safety Guards 	Adequate and Well-Equipped
7	Plumbing Shop	30	<ul style="list-style-type: none"> Pipe Vice 	Adequate and Well-Equipped
8	Machine shop	30	<ul style="list-style-type: none"> Lathe Machines Drilling Machines Milling Machine 	Adequate and Well-Equipped



B. Quality of Labs/workshop (20)

Institute Marks

19.00

The laboratories and workshops of the Department are well-maintained, properly organized, and equipped with modern and functional equipment as per the curriculum of MSBTE. All equipment is regularly maintained and calibrated to ensure accuracy and reliability. The laboratories provide a safe, clean, and conducive environment for conducting practicals. Standard lab manuals, operating procedures, and safety instructions are available and followed.

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.

Table No. 6.2.3 Details of Lab

Sr. No.	Name of the shop	No. of students as per set up (Batch size)	Name of the important equipment	Weekly utilization status (all the courses for which the lab is utilized)
1	Automobile Transmission System	30	<ul style="list-style-type: none"> • Single plate clutch • Multi plate clutch • Gear Box-cut section(Synchromesh and Constant mesh • Propeller shaft with slip joint and universal joint • Hooks universal joint-model • Cut section model of Differential • Cut section model of Rims • Cross ply & radial ply tyres- cut section model • Model of Four Wheeler Power Transmission System • Cut Section Model of Car wheel • Synchromesh Type Gear Box • Three Wheeler Chassis 	<p>Odd term- 8 Hrs</p> <p>Even term- 8 Hrs</p>
2	Automobile Engine	30	<ul style="list-style-type: none"> • Single Cylinder two stroke Kinetic engine • Single Cylinder four stroke engine • four Cylinder Diesel engine • Six Cylinder Diesel Engine • 4-S Champion Engine • Single Cylinder two stroke M-80 engine • Diesel Fuel Injection Pump • Exhaust Gas Analyzer • Smoke Meter • CNG Demonstration Kit • On Board Diagnostic (scanner) Tool • Computerised Research Engine Setup 1 Single Cylinder with four stroke • LPG Demonstration Kit • Exhaust Gas Analyzer • Smoke Meter • 1L TSI and 1.5L TSI Engines 	<p>Odd term- 6 Hours</p> <p>Even term- 6 Hrs</p>
3	Automobile Systems & Body Engineering	30	<ul style="list-style-type: none"> • Model of Hydraulic Power Steering • Rack & pinion Steering Assembly • Disc Brake • Model of Hydraulic Brake System • Model of Car Air Conditioning System • Dent Remover • MIG Welding Machine • Working Model of Hydraulic Brake System • Working Model of Air Brake System • Working Model of Air Bag System • Working Model of HVAC System • Cut Section Model of Torque Converter 	<p>Odd term- 8 Hours</p> <p>Even term- 14 Hrs.</p>
4	Automobile Electrical & Electronics	30	<ul style="list-style-type: none"> • Model of Two Wheeler Wiring System • Model of Four Wheeler Wiring System • Battery Charger • Battery Cell Taster • Battery Gravity Tester • Lithium Phosphate Battery • Exide Mileage • TATA Tigor EV cut section working model • Battery Tester • Digital Multimeter 	<p>Odd term- 14 Hours</p> <p>Even term- 12 Hrs.</p>
5	Vehicle Maintenance and Garage practice	30	<ul style="list-style-type: none"> • Jetta • Cut section model of engine assembly • Cut section model of Manual Transmission assembly • Cut section model of Automatic Transmission assembly • Special Purpose Tools • Inspection Lamp • Tools Trolley with hand tools • Vernier Calliper • Micrometer 0 to 25 • Dial Bore Gauge • Multimeter (Pen 830B) • Manual Torque Wrench • Trolley Jack- Cap 3 Tonn • Creeper (Sleeper/Trolley) • Two Post Lift 3 Tonn • Tools Trolley Model • Two Wheeler Service Tools Kit 	<p>Odd term- 4 Hours</p> <p>Even term- 10 Hrs.</p>

6	Applied Mechanics Lab	30	<ul style="list-style-type: none"> • Universal testing machine • Extensometer • Impact test machine • Torsion testing machine • Rockwell hardness tester • Brinell hardness tester • Fatigue testing machine. 	Odd Sem- 16 Hrs. Even Sem-24 Hrs
7	Computer Aided Design and Drafting (CAD)	30	<ul style="list-style-type: none"> • PC • Projector • Server • Creo (University plus academic bundle lab) 	Odd term- 34 Hrs Even term- 24 Hrs.
8	Physics Lab	30	<ul style="list-style-type: none"> • Barometer, • Millimeter, • Power Supply, • Thermocouple, • Voltmeter, • Tanning Fork Set, • Potentiometer 	Odd Sem- 34 Hrs Even Sem- 32 Hrs
9	Chemistry Lab	30	<ul style="list-style-type: none"> • Lab Oven with digital temp. indicator and Controller, • Digital Electronic balance capacity 300-0.01 gm., • Digital Nephelometer 31/2 LED display . • Muffle Furnace Digital size 22x10x10 cms,1600w • B.R.Instrument 	Odd Sem- 34 Hrs Even Sem- 30 Hrs



Fig. 6.2.1 Vehicle Maintenance and Garage Practices



Table No. 6.2.3 Details of workshop

Sr. No.	Name of the shop	No. of students as per set up (Batch size)	Name of the important equipment	Weekly utilization status (all the courses for which the lab is utilized)
1	Fitting Section	30	<ul style="list-style-type: none"> • Pillar Drill Machine-01 • Bench Grinder-01 • Surface Plate-01 • Drill Machine Vice-01 • Bench Vice- 21 	
2	Black Smithy Section	30	<ul style="list-style-type: none"> • Anvil- 02 • Open Hearth Furnace-02 • Quenching Tank-01 • Swage Block-01 • Leg Vice-01 	

3	Carpentry Section	30	<ul style="list-style-type: none"> Carpentry Vice-20 Wood Turning Lathe-02 	
4	Welding Section	30	<ul style="list-style-type: none"> Welding Machine(Arc)- 02 Spot Welding Machine- 01 Bench Vice- 24 	
5	Sheet Metal Shop	30	Shearing Machine-02	
6	Press shop	30	Fly Press Machine-01	
7	Plumbing Shop	30	Pipe Vice-04	
9	Machine shop	30	<ul style="list-style-type: none"> Lathe Machine Belt Drive-18 Lathe Machine All Gear Drive -02 Universal Milling Machine-01 CNC Lathe Machine-01 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 	Odd term- 36 Hours Even term- 28 Hrs.



Fig. 6.2.2 Workshop (Machine Shop)



Table No. 6.2.4 Modernisation in Labs

Sr no	Name of Equipment	Purpose
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 with cimetron for Mold and Die Designing	The Centre of Excellence for Mold and Die Designing established to provide advanced technical training in modern product design, mold design, die design, and CAD/CAM technologies as per current industrial requirements.
4	TATA Tigor EV (MODROBS)	The EV Cut Section was introduced to modernize the mechanical engineering laboratory and provide students with practical exposure to emerging Electric Vehicle technology and sustainable transportation system
5	Multi-Fuel Research Engine Test Rig	Used for research activities, engine performance analysis, fuel comparison studies, and advanced experimentation.
6	Vehicle Diagnosis Tools (MODROBS)	Utilized for fault diagnosis, scanning of vehicle systems, troubleshooting activities, and industry-relevant practical training.
7	Denting Machine	Used for removing dents and minor body damages from vehicle surfaces without affecting the original paint, supporting vehicle body repair practices, maintenance activities, and practical training in automobile servicing.

Mara@wada Mitra Mandal's Poly@ehnic Pimpri-Chinchwad , Pune - 411033 LAB TIME TABLE									
Doc No: TT-LAB-01					Rev: No: 01				
PAGE: 1 of 1					W.E.F. 15/07/2024				
ACADEMIC YEAR 2025-26 (TERM-I)									
Lab Name: AEUTTW					Lab Room No.: 002B				
Course Name: ATN/AWD									
Time / Days	Mon	Tues	Wed	Thurs	Fri	Sat	Total Available Hrs	Total Hrs Utilized Lab	Total Hrs (Not Utilized)

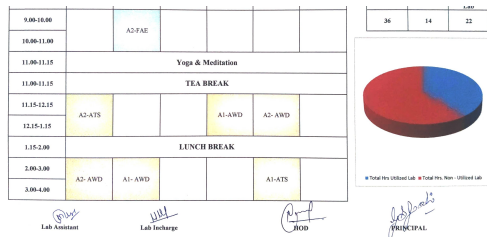


Fig. 6.2.3 Utilization

WEEKLY MAINTENANCE CHECK LIST		FREQUENCY - WEEKLY	
MAINTENANCE ITEM	DATE	STATUS	REMARKS
1) Clean inside & out side	10/10/2024	✓	
2) Lubrication area	10/10/2024	✓	
3) Remove Unwanted things	10/10/2024	✓	
LEVEL CHECKING :-			
1) Pressure oil	10/10/2024	✓	
2) Cooling oil	10/10/2024	✓	
3) Lubrication oil	10/10/2024	✓	
GENERAL			
1) Oil leakage	10/10/2024	✓	
2) Cooling Leakage	10/10/2024	✓	
3) Abnormal noise	10/10/2024	✓	
4) Over heat	10/10/2024	✓	

MATRIX TESTING & TECHNOLOGIES PVT. LTD.		CALIBRATION CERTIFICATE	
Lab No.	Client Name	Certificate No.	Rev. No.
10001	ABC Pvt. Ltd.	MT/2024/001	1.0
10002	DEF Pvt. Ltd.	MT/2024/002	1.0
10003	GHI Pvt. Ltd.	MT/2024/003	1.0
10004	JKL Pvt. Ltd.	MT/2024/004	1.0
10005	MNO Pvt. Ltd.	MT/2024/005	1.0
10006	PQR Pvt. Ltd.	MT/2024/006	1.0
10007	STU Pvt. Ltd.	MT/2024/007	1.0
10008	VWX Pvt. Ltd.	MT/2024/008	1.0
10009	YZA Pvt. Ltd.	MT/2024/009	1.0
10010	BCD Pvt. Ltd.	MT/2024/010	1.0

Fig.6.2.4 Maintenance Record

C. Technical Manpower support –Eligible and Adequate (10)

Institute Marks
10.00

Department has enough qualified technical staff to properly support all laboratory and workshop activities as required by the MSBTE curriculum. There are sufficient lab assistants, technicians, and workshop instructors available. They are well qualified and skilled in their respective areas, which helps in conducting practical sessions smoothly. They also take care of handling equipment and maintaining the laboratories and workshops in good working condition.

Table No. 6.2.4 Technical Manpower

Sr. No	Name of the Labs/ Workshop	Technical Manpower Support				
		Name of Technical Staff	Designation	Qualification	Experience	Educational Upgradation by Staff
1	AEE / Vehicle Maintenance and Garage practice lab	Mr. Mayur Waghole	Lab Assistant	BE, DAE	Lab Assistant-12 yrs	1. EV Training Program
2	ATS Lab/ Automobile Systems & Body Engineering Lab	Mr. Sham Salunke	Lab Assistant	CITS	Lab Assistant-9 yrs	1. Solar Pahashala e-learning course-Installation & Commissioning operation & Maintenance
3	Fitting Section	Mr. M. D. Deokar	Instructor	ITI, NCTVT	Instructor-18 Yrs	1. ISO audit online course on fire safety

4	Black Smithy Section/ Sheet Metal Shop	Mr. Sagar M. U	Instructor	ITI, Diploma(Pursuing)	Instructor-2.5 yrs Industry -05 yrs	1. Diploma (ME) (Pursuing) 2. Alision certification 3. ACE Micromatic CNC programming Training
5	Carpentry Section/ Press shop	Mr.Dalbhanjan R. S.	Instructor	ITI, NCTVT	Instructor-20 yrs Industry -05 yrs	1. Certification on EV
6	Welding Section	Mr. Lohar J. B.	Instructor	ITI, NCTVT	Instructor-20 yrs Industry -2.5 yrs	1. Alision Certification on Welding Basics Theory and Safety Precaution 2. Alision Certification on Arc Welding and cutting- OSHA
7	Plumbing Shop/ Machine shop	Mr. More D.M.	Instructor	ITI, Vocational diploma in Machining	Instructor-17 yrs Industry -05 yrs	1. CATIA,MASTERCAM,CNC Maintenance Course
8	Molding shop	Mr. Jadhav L. P.	Instructor	ITI, NCTVT	Instructor-18 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	Automobile Trans	30	Differential of for	Odd term- 8 Hrs	Ms.Lubdha Nema	Lab- Incharge	M-tech
2	Automobile Engr	30	Exhaust Gas Anal	Odd term- 6 Hou	Mr. Suryawanshi I	Lab- Incharge	ME (Heat Power)
3	Automobile Syste	30	Model of Car Air	Odd term- 8 Hou	Mrs. Nadimetla S.	Lab- Incharge	M-tech
4	Automobile Elect	30	Battery Charger	Odd term- 14 Hou	Ms. Herlekar M. P	Lab- Incharge	PHD
5	Vehicle Maintena	30	Two wheeler mot	Odd term- 4 Hou	Mr. Gundla R.J.	Lab- Incharge	ME
6	Computer Aided I	30	AutoCAD 2016	Odd term- 34 Hrs	Mrs. P. R. Savalaj	Lab- Incharge	ME
7	Fitting Section	30	Pillar Drill Machin	Odd term- 36 Hou	Mr. M. D. Deokar	Instructor	ITI, NCTVT
8	Black Smithy Sec	30	Open Hearth Furn	Odd term- 36 Hou	Mr. Sagar M. A.	Instructor	ITI, Diploma
9	Carpentry Sector	30	Wood Turning Lat	Odd term- 36 Hou	Mr.Rambhau Dal	Instructor	ITI, NCTVT
10	Welding Section	30	Welding Machine	Odd term- 36 Hou	Mr. Lohar J. B.	Instructor	ITI, NCTVT
11	Sheet Metal Shop	30	Shearing Machine	Odd term- 36 Hou	Mr. Sagar M. A.	Instructor	ITI, Diploma
12	Press shop	30	Fly Press Machine	Odd term- 36 Hou	Mr.Rambhau Dal	Instructor	ITI, NCTVT
13	Plumbing Shop	30	Pipe Vice	Odd term- 36 Hou	Mr. More V. M	Instructor	ITI, Diploma
14	Machine shop	30	CNC Machine	Odd term- 36 Hou	Mr. More V. M	Instructor	ITI, Diploma
15	Physics Lab	30	Potentiometer	Odd Sem- 34 Hrs	Odd term- 36 Hou	Lab- Incharge	M.Sc. B.ed Physic
16	Chemistry Lab	30	Lab Oven with dli	Odd Sem- 34 Hrs	Mrs. Lakhe M.C.	Lab- Incharge	M.Sc.Chem ,Ph.D
17	Applied Mechanic	30	Universal testing	Odd Sem- 16 Hrs	Mrs.Jadhav R.R.	Lab- Incharge	BE Civil

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

Sr. No.	Additional Facility	Year	Details / Impact
1	Industrial lab Setup	2010	Skoda-Volkswagen Sponsored Workshop/Training Center
		2026	Electric Vehicle Workshop sponsored by ENVALIOR INDIA PVT. LTD.
		2026	Establishment of COE for Mold and Die Design
2	Lab Manuals	-	Availability of updated practical manuals, instructional charts.
3	Digital Learning Resources	-	ICT-Enabled Instructional Rooms
		-	CAD Laboratory with Extended Working Hours
		-	BMS/NPTEL Video Lectures and Online Learning Platforms
3	Departmental Library	-	Self-study Programme books, Journals, Magazines, Technical Books
4	Modern Equipment Addition	2022	TATA Tigor EV (MODROBS)
		2022	Multi-Fuel Research Engine Test Rig (MODROBS)
		2022	Vehicle Diagnosis Tools (MODROBS)
5	Lab Manuals	-	Availability of updated practical manuals, instructional charts.
6	Project & Innovation Support	-	Capstone Project Facilities
		-	Old Project Reports and Technical Documentation
7	Safety Enhancements	-	Renovation of Fire safety cease fires, first-aid facilities
8	Infrastructure Improvement	2026	Renovation of CAD Lab
9	Maintenance & Calibration	-	Regular servicing, calibration and preventive maintenance systems.
10	Skill Enhancement Facilities	2026	Three days workshop on Two wheeler Workshop by Mr.Nitin ranade& Mr. Anup Anand

2024	Three days workshop on Enterprenureship Awareness by Mr.Sunil Patil
2024	Three days workshop on Two wheeler Workshop by Mr.Somsundar Menon

B. Effective Utilization (5)

Institute Marks

5.00

Table No. 6.3.2 Effective Utilization

Sr. No.	Facility Created	Effective Utilization	beneficiaries	Outcome / Benefit
1	Industrial lab Setup	Used for hands-on training in modern automotive systems, vehicle servicing, diagnostics, and industry-oriented practical sessions.	Beneficiary Students - 432 Certified - 300	Improved practical exposure, enhanced technical competency, and better industry readiness among students
2	Lab Manuals	Used during practical sessions for systematic experiment conduction, observation and outcome-based learning assessment.	Students and faculty members	Improved understanding of experiments, uniformity in practical performance, and better learning outcomes.
3	Digital Learning Resources	Used for conducting multimedia lectures, presentations, simulation-based teaching, online learning sessions, and interactive classroom activities	Students and faculty members	Enhanced interactive learning, improved conceptual understanding, and increased student engagement.
4	Departmental Library	Utilized for self-study, reference reading, project work, technical journals, magazines, manuals, and competitive exam preparation.	Students and faculty members	Developed self-learning ability, and updated technical knowledge.
5	Modern Equipment Addition	Advanced tools, diagnostic equipment, EV components, and testing systems are used for practical training and skill development.	Second- & Third-Year Students	Enhanced exposure to modern automotive technology and improved employability skills.
6	Project & Innovation Support	Facilities provided for mini projects, capstone projects, model development, innovation activities, and technical competitions.	Final year students and project groups	Encouraged creativity, teamwork, problem-solving ability, and innovation skills.
7	Safety Enhancements	Safety instructions, fire extinguishers, PPE kits, and safe laboratory practices implemented in workshops and labs.	All students of Automobile engineering department	Improved safety awareness, accident prevention, and safe working environment.
8	Infrastructure Improvement	Renovated laboratories utilized for practical conduction, demonstrations, CAD practice, and project activities.	Students of the department	Created a better learning environment and improved effectiveness of teaching-learning activities.
9	Maintenance & Calibration	Regular servicing, preventive maintenance, and calibration of equipment carried out for proper functioning and accuracy.	Laboratory users and students	Ensured reliable equipment performance, accurate experimental results.
10	Skill Enhancement Facilities	Facilities such as workshops, technical training programs, seminars, and industry interaction sessions organized regularly.	Second- & Third-Year Students and Faculty Members	Improved technical, communication, and employability skills required for industry.



Fig. 6.3.1 Volkswagen Training Centre



Fig. 6.3.2 Instructional Room



C. Relevance to POs/PSOs (5)

Institute Marks

5.00

Sr. No.	Facility Created	Relevance to Pos/PSOs	Justification
1	Industrial lab Setup	PO1, PO2, PO4, PSO1	Provides hands-on training in automobile systems, maintenance, testing, and industrial practices using modern equipment and tools.
2	Lab Manuals	PO1, PO4, PO7	Helps students perform experiments systematically, understand engineering procedures, and record observations effectively.
3	Digital Learning Resources	PO1, PO5, PO7, PSO2	Supports ICT-enabled teaching, simulation-based learning, technical presentations, and access to updated engineering knowledge.
4	Departmental Library	PO7, PSO2	Encourages self-learning, technical reading, reference study, and awareness of recent developments in automobile engineering.
5	Modern Equipment Addition	PO1, PO2, PO4, PSO1, PSO2	Enhances practical understanding of advanced automobile technologies, diagnostics, EV systems, and testing methods.
6	Project & Innovation Support	PO2, PO3, PO6, PSO3	Develops problem-solving, design thinking, teamwork, innovation, and project execution skills through project activities.
7	Safety Enhancements	PO5, PO6	Creates awareness about industrial safety practices, environmental responsibility, and ethical engineering practices.
8	Infrastructure Improvement	PO5, PO6, PO7	Provides an effective teaching-learning environment for practical work, seminars, technical discussions, and collaborative learning.
9	Maintenance & Calibration	PO1, PO4, PSO1	Ensures accuracy of testing equipment, reliability of experiments, and understanding of standard engineering practices.
10	Skill Enhancement Facilities	PO3, PO6, PO7, PSO3	Improves employability, entrepreneurship, communication, leadership, and technical competency through training programs and workshops.

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	Industrial lab Set	Well-equipped lab	To provide indust	Beneficiary Stud	Automobile maintenance, t	PO1, PO2, PO4, F
2	Lab Manuals	Structured manu	To ensure system	Students and fac	Experimentation skills, ana	PO1, PO4, PO7
3	Digital Learning F	Multimedia conte	To support ICT-e	Students and fac	Digital learning, conceptua	PO1, PO5, PO7, F
4	Departmental Lib	Collection of tech	To promote self-l	Students and fac	Technical knowledge, self-l	PO7, PSO2
5	Modern Equipme	Addition of advar	To expose studer	Second- & Third-	Modern automotive techno	PO1, PO2, PO4, F
6	Project & Innovat	Facilities and guik	To encourage inn	Final year studen	Problem-solving, design sk	PO2, PO3, PO6, F
7	Safety Enhancem	Provision of PPE l	To ensure safe la	All students of Al	Safety awareness, environr	PO5, PO6
8	Infrastructure Im	Improved classro	To create an effe	Students of the d	Professional learning enviro	PO5, PO6, PO7
9	Maintenance & C	Regular maintenz	To ensure accur	Laboratory users	Testing accuracy, quality pr	PO1, PO4, PSO1
10	Skill Enhancemr	Workshops, semi	To improve empl	Second- & Third-	Communication skills, tech	PO3, PO6, PO7, F

6.4 Laboratories: Maintenance and overall ambience (10)

Total Marks 9.00

Institute Marks

9.00

The department has well-established laboratories. Each laboratory is designed to provide a safe, clean, and conducive environment for effective teaching-learning and experimentation.

Sr. No.	Parameter	Details / Remarks
1	Laboratory Maintenance	Regular preventive maintenance and servicing of laboratory equipment, machines, and tools are carried out.
2	Calibration of Equipment	Measuring instruments and testing equipment are calibrated periodically for accuracy and reliability.
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.
11	Record Maintenance	Maintenance records, stock registers, calibration records, and logbooks are properly maintained.




MAKATIBHAWA MITRA MANDAU'S POLYTECHNIC,
THERGAON, PUNE-33

Equipment Maintenance Plan

Department : Automobile Engineering Academic Year: 2024-25
Lab Name : Vehicle Maintenance and Garage Practice Lab In charge : Mr. R.J.Gandhi

Sr. No.	Name of Equipment	Maintenance Plan												
		Jan	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
1	Jetta	●												
2	Cut section model of engine assembly	●												
3	Cut section model of Manual Transmission assembly	●												
4	Cut section model of Automatic Transmission assembly	●												
5	Special Purpose Tools	●												
6	Inspection Lamp	●												
7	Tools Trolley - with hand tools	●												
8	Varnier Calliper	●												
9	Micrometer 0 to 25	●												
10	Dial Bore Gauge	●												
11	Multimeter (Pen K500)	●												
12	Manual Torque Wrench	●												
13	Trolley Jack- Cap 3 Tonn	●												
14	Creeper (Shop/Trolley)	●												
15	Two Post Lift 3 Tonn	●												
16	Tools Trolley Model	●												
Date of Maintenance Planned and Sign.		14-6-2024												
Date of Maintenance Completed and Sign.		21-6-2024												

○ Planned Maintenance ● Completed Maintenance as per plan

Prepared By:  Checked By:  Approved By: 

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	20	1:2	AutoCAD 2026. C	Internet service ꝑ	4

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.



LANGUAGE LAB Photo

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.

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.

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)

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.

b) Online Practice Tests

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

4. 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.

Details of Learning Resources

English	https://www.youtube.com/watch?v=4d5N1jqRE
	https://www.youtube.com/watch?v=9B-x_8YFQ
	https://www.youtube.com/watch?v=eUzrFCQg84
	https://www.youtube.com/user/bbclearningenglish
	https://www.youtube.com/watch?v=BOOG1ShdHU4
Professional Communication	https://www.youtube.com/watch?v=GY3ADgnWLos
	https://www.youtube.com/watch?v=e6ZSCwv3CNg
	https://www.youtube.com/watch?v=7aUCviviXd8
	https://www.futurelearn.com/courses/presentation-skills
	https://www.youtube.com/watch?v=mmMH6Uv7DJI
	www.BM Consultant India.Com

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.)

Language Lab Utilization

 Pimpri-Chinchwad Education Trust rathwada Mitra Mandal's Polytechnic 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 2022-26 (TERM-I)						
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	MK3-MK2K	*EX1-EX2K	
9.00-10.00						
10.00-10.15	Tea Break					
10.15-11.15						
11.15-12.15		EE2-EE2K		AE1-AE2K	AE2-AE2K	AO1-CPR
12.15-1.00	Lunch Break					
1.00-2.00	COB4-CO2K	COA3-CO2K	COB3-CO2K	ME3-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						
	Lab Assistant	Lab In-charge				Principal

Total Available Hrs	Total Hrs Utilized Lab	Total Hrs. Not Utilized Lab
48	42	6



7 CONTINUOUS IMPROVEMENT (75)

Total Marks 69.00

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

Total Marks 23.00

Institute Marks 23.00

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

POs	Target Level	Attainment Level	Observations
PO 1 : Basic and Discipline specific knowledge			
PO 1	2.45	1.76	Some students did not get the expected marks in the subjects like Mathematics, Science, Fundamentals and Design. Lateral entry students found it difficult to understand basic engineering concepts because the joined directly to second year.
1. Based on internal assessment results, weak students will be identified and supported through additional assignments. 2. Chapter wise tests and formulae test for mathematics Extra lectures on engineering fundamental concept for lateral entry students will be arranged. Practice session during preparatory leaves.			
PO 2 : Problem analysis			
PO 2	2.07	1.55	Students did not perform as per expectation in courses related to core analytical and manufacturing areas.
1. Extra lectures for weak students will be arranged. 2. Institute of the Motor Industry (IMI) certification programs will be arranged for students 3. More analytical problems will be assigned to students in the subjects like Strength of Material and Theory of Machines to improve problem -solving skills.			
PO 3 : Design/ development of solutions			
PO 3	1.83	1.38	A few students had difficulty in understanding concept of Engineering Mechanics and Design.
1. The practical demonstration by students on different experiment will be conducted. 2. An industrial visit to ARAI, ADAS city will be arranged for the students.			
PO 4 : Engineering Tools, Experimentation and Testing			
PO 4	2.04	1.51	Students could not operate software and electrical instruments effectively.
1. An industrial visit to Prakash Diesel will be organized for the students to provide practical exposure. 2. Extra practice of software and tools will be assign to students. 3. Extra Practice to handle and connect various circuits will be given during practical sessions.			
PO 5 : Engineering practices for society, sustainability and environment			
PO 5	1.87	1.32	Inadequate awareness of professional subjects along with social, health, safety, legal and cultural aspects observed in students.
1. Societal health and safety awareness will be achieved through Road Safety Week and Traffic awareness programme. 2. Students will be motivated to participate in cultural events like social annual gathering.			
PO 6 : Project Management			
PO 6	1.76	1.24	It has been observed that students need improvement in project planning, teamwork, leadership, and technical communication skills during project execution.
1. Encourage participation in technical events, competitions, and project exhibitions for practical exposure. 2. Expert session on Project Management will be arranged. 3. Conduct project presentation and progress review sessions to improve communication and reporting skills.			
PO 7 : Life-long learning			
PO 7	1.82	1.42	Lack of professional skills was observed among students
1. A workshop will be organized on professional skills. 2. A workshop on entrepreneurship development and work ethics will be organized.			

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

PSOs	Target Level	Attainment Level	Observations
PSO 1 : Maintenance and Testing of automobile components: - Make the use of Automobile equipment competently for vehicle maintenance, automotive Electronics and testing.			
PSO 1	2.26	1.68	Students need extra exposure to automotive Electronics and testing

1. One week industrial training at service stations will be assigned to students.
2. Two wheeler work shop will be organized for students.

PSO 2 : Modern software usage: - Use of latest software for simple design drafting Maintenance and documentation of automobile engineering Components and processes

PSO 2	1.78	1.54	Students need exposure and hands on practice of software.
1. Expert lecture on Solid Modelling will be arranged. 2. Additional practice on software will be organized.			

PSO 3 : Skill sets for entrepreneurs: - Build the skill sets for entrepreneurs in Automobile service Sectors.

PSO 3	1.94	1.56	It has been observed that students need more exposure to entrepreneurship and management skills in the automobile service sector.
1. Expert lecture on How to establish your two wheeler workshop will be organized under two wheeler workshop. 2. Entrepreneurship workshop will be organized for students. 3. Visit to B.U Bhandari will be organized to introduce students to the actual working of a service center.			

7.2 Improvement in Success Index of Students without the backlog (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)
Success Index (from 4.2.1)	0.07	0.10	0.14

7.3 Improvement in Placement and Higher Studies (10)

Total Marks 10.00

Institute Marks
10.00

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)	1.00	1.16	1.22

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)	7.05	7.31	7.73

7.5 Internal Academic Audits to Review Complete Academics & to Implement Corrective Actions on Continuous 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	Working model of	Tool trolley, Two v	MOU signed with

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

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
<input type="radio"/>	Excellent
<input type="radio"/>	Very Good
<input type="radio"/>	Good
<input type="radio"/>	Average
<input type="radio"/>	Satisfactory
Question	Domain Knowledge
<input type="radio"/>	Excellent
<input type="radio"/>	Very Good
<input type="radio"/>	Good
<input type="radio"/>	Average
<input type="radio"/>	Satisfactory
Question	Presentation skill and interaction with student
<input type="radio"/>	Excellent
<input type="radio"/>	Very Good
<input type="radio"/>	Good
<input type="radio"/>	Average
<input type="radio"/>	Satisfactory
Question	ability to resolve difficulties
<input type="radio"/>	Excellent
<input type="radio"/>	Very Good
<input type="radio"/>	Good
<input type="radio"/>	Average
<input type="radio"/>	Satisfactory
Question	Effective use of technical aids
<input type="radio"/>	Excellent
<input type="radio"/>	Very Good
<input type="radio"/>	Good
<input type="radio"/>	Average
<input type="radio"/>	Satisfactory
Question	whether faculty has taken chapter wise tests effectively and strictly
<input type="radio"/>	Excellent
<input type="radio"/>	Very Good
<input type="radio"/>	Good
<input type="radio"/>	Average
<input type="radio"/>	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

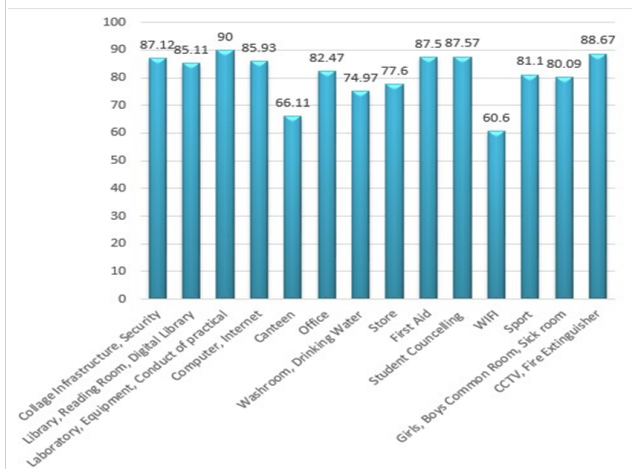
No. of student: 219

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	68.6
12	Sport Facility	81.1

13	Girls & Boys common room, Sick room	80.09
14	CCTV, Fire extinguisher	88.67

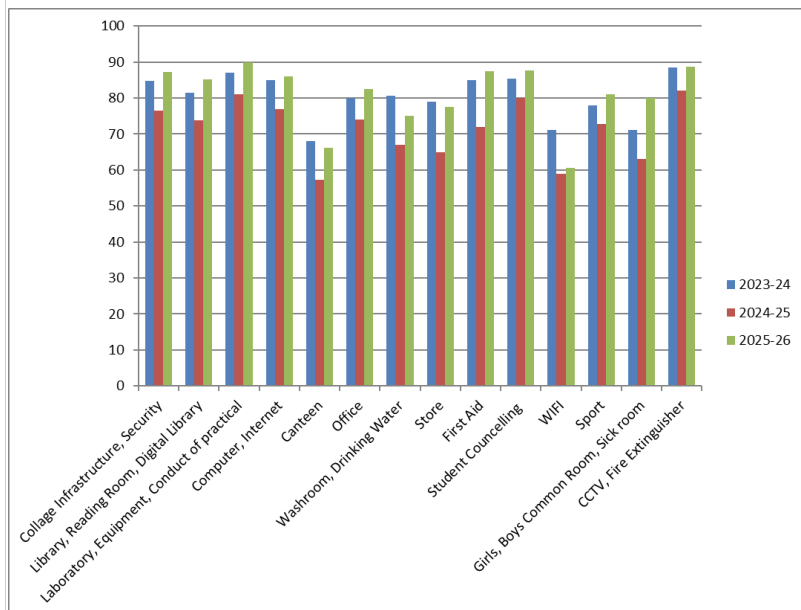
Graphical Representation of Facility Feedback (2025-26)



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:-

STUDENT FEEDBACK ON FACILITY FOFORM

Academic year :-

Name of Student:

Class of student:

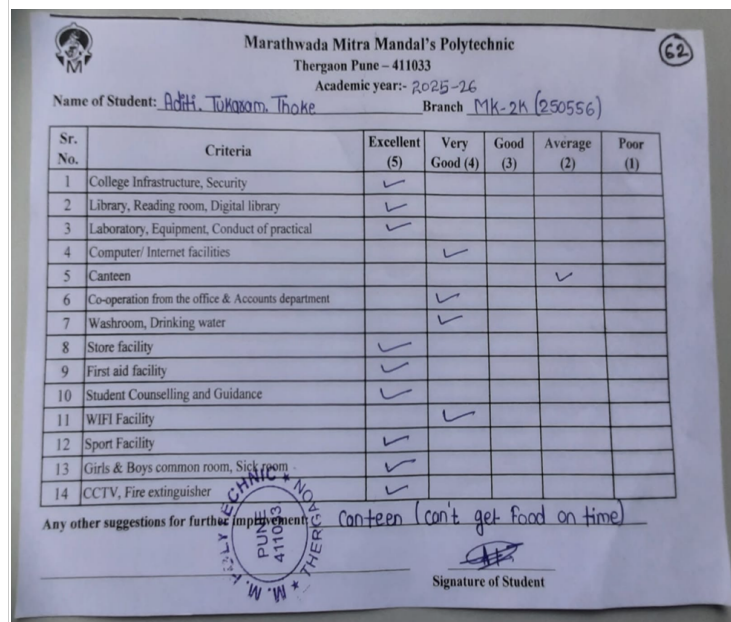
Sr. No.	Criteria	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Poor (1)
1	College Infrastructure, Security					
2	Library, Reading room, Digital library					
3	Laboratory, Equipment, Conduct of practical					
4	Computer/ Internet facilities					
5	Canteen					
6	Co-operation from the office & Accounts dept					
7	Washrooms, 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 :



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	<p>Drinking Water</p> <ul style="list-style-type: none"> Water source inspected and contamination risks identified. Regularly serviced water purification system (ROUV). Overhead and storage tanks cleaned and disinfected. Regular water quality testing initiated (microbial and chemical). <p>Washrooms</p> <ul style="list-style-type: none"> 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. <p>Monitoring Actions Taken</p> <ul style="list-style-type: none"> 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.

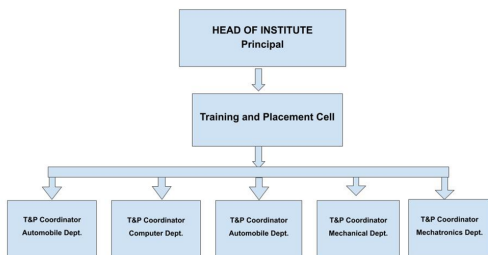
8.4 Career Guidance, Training, Placement (20)

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. Sahankhe N. K.	Mr. Sahankhe 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. Savalghkar P. R.	Mr. Kulkarni S. P.	Mr. Damge 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

 Priti Bhausaheb G. Jadhav
 Exe. President

 Shri. Kishor H. Mungale
 Secretary

 Mrs. Geeta S. Joshi
 Principal

Ref. No. MMP/T&P/2025-26/35

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. Mhalaakar 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.


 PUNE
 411033
 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 MoU's 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	22nd 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 Killarkar delivered a live demonstration of the Cimatron software, highlighting its applications in tool design and manufacturing processes. Mr. 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 (MM Polytechnic). This provided a platform for fostering meaningful discussions and exploring potential collaborations.

Industry Representatives Invited by MM Polytechnic & Their Participation:

The following industry representatives invited by the institute participated in the conclave, contributing valuable insights and strengthening our industry relationships:

Sl. 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	Cikauto India Pvt Ltd
6	Amit Kanase	Site HR Pune and India HRBM Harvester GFL	CNH Industrial (India) Pvt. Ltd.
7	Mr. Sunil S. Desale	Plant HR Head	Endurance Technologies Ltd.
8	Mr. Dilip Londhe	Sr HR Mgr.	Fincore 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	Awdhoor 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 Dayamnd Yadav, BVG India Limited
- Mr. Avinash Kaldate, BVG India Limited
- Ms. Sapna Pathak, Sr. Manager HR, Abhi-Tech Fab & Machining Pvt Ltd
- Ms. Aishwarya Kadadkar, Abhi-Tech Fab & Machining Pvt Ltd
- Mr. Kishor Kadam, Provttech 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. Sachita Lokhande, HR Specialist; Ms. Nidhi Mishra, HR Analyst
- **Qness 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, People Practices; Ms. Bhavika Chhablani, HR
- **DANA India Private Limited:** Mr. Sambosh Gajre, Plant HR Head; Ms. Pradiya Kanase, Deputy Manager HR
- **Autonem India Pvt. Ltd.:** Mr. Harshad Patil, Head HR
- **Steelmax Valves and Automation Pvt. Ltd.:** Mr. Abhis Kumar Singh, Quality Engineer
- **Automotive Stampings and Assemblies Limited:** Mr. Jaydev Mishra, Chief Finance Officer
- **Vintyaa Technologies Pvt. Ltd.:** Mr. Vishal Bhagat, Business Development Manager
- **Yuva Shakti Foundation:** Mr. Prasad Ganjal, Field Officer

MM Polytechnic representatives who attended the meet included:

- Mrs. Geeta S. Joshi, Principal
- Mr. P. M. Dumbre, HOD (Mechanical Engineering)
- Mr. Rahul Gundia, HOD (Automobile Engineering)
- Mr. Tushar Kadam, Ic-HOD (Electrical Engineering)
- Mr. Ganesh Mhalankar, Training and Placement Officer
- Mr. Shrinivas 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 Seoyon 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 Sekurit India Ltd., Kuruli, Chakan, Pune	20
9.	13th March 2026	Off Campus Placement Drive by Bujur 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 Wanspiration 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 - 79)
3.	16th October 2024	Interview Preparations Workshop	142 (MK-44, AE-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. Deepthi 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 benefited from the programme.

Interview Preparations Workshop 2024-25:



Cracking the Interview

Expert Tips from **Mr. Sunil Desale**
(HR HEAD Endurance Ltd.) for **TY Students**

www.mmpolytechnic.edu.in
Contact: +91 9604528182 | +91 8055103040



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 Weeder Root	82 (MMP-71 + Others-11)
4.	8th March 2025	Pool Campus Drive for Automobile, Electrical, and Mechanical Engineering Students by Paggio 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 IK2K 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., Bhosars (Drove 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., Varad, Kherd, Chikam, 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 Bijar Deltom 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 IK2K Dosing and Dispensing Pvt. Ltd on 22nd March 2025.



Pre-placement Talk

Elixir-India and IK2K Interview panel
interviewing students

Students Participated - 47 No. | Total Selections - 85 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.



Mr. Marli Kumar (HR) and Mr. Ravindra Patil from Bosch Chassis Systems India Pvt. Ltd. interviewed students.

पूल कॅम्पस प्लेसमेंट ड्राइव्ह
 ■ सगळी विरं (एम.एम. पॉलिटेक्निक)
 मराठवाडा विद्यापीठ पॉलिटेक्निकचे बीएच प्लेसिंग विभाग
 इंधन प्रणाली इन्जिनिअरिंग विभागात अतिशय महत्त्वाचे व मेकॅनिकल
 इन्जिनिअरिंगमध्ये डिप्लोमा विद्यार्थ्यांसाठी पूल कॅम्पस प्लेसमेंट
 ड्राइव्हचे योजनेद्वारे आयोजन केले होते. विविध पॉलिटेक्निक
 संस्थांमार्फत १०२ विद्यार्थ्यांनी सहभाग घेतला. एम.एम.टी.
 डब्ल्यू.पी. पॉलिटेक्निक, कोल्हापूर, रिसकॉल्ल धारिबाळ इन्स्टिट्यूट
 ऑफ टेक्नॉलॉजी, विजयवाडा, विरं विद्यापीठ पॉलिटेक्निक,
 विरं, वेदुराई चव्हाण पॉलिटेक्निक (एच.ए.सी.सी.), चट्टापूर, कुमरो
 वाडिया इन्स्टिट्यूट ऑफ टेक्नॉलॉजी, पुणे सरकारी पॉलिटेक्निक,
 मिरज जयवंतराव सावंत पॉलिटेक्निक हद्दसर यांचा सहभाग होता.
 भारतीय प्रक्रिये अभियोजना याचनी, तांत्रिक मुलाखती आणि एच.आर.
 मूलाखती समोरा होत. बीएच प्लेसिंग मुरली कुमार यांनी
 मार्गदर्शन केले. ड्राइव्हिंग मीटरमध्ये परीक्षा घेऊन याला याला होते.
 १०२ विद्यार्थ्यांना विद्युत् पत्र दिले. एम.एम. पॉलिटेक्निकच्या ४९
 विद्यार्थ्यांचा सहभाग होता. प्रत्येकी गीता जोशी यांनी बीएच प्लेसिंग
 विभाग इंधन प्रणालीचे आभार मानले. संस्थेचे कार्यवाहक बी. जी.
 जाधव यांनी विद्यार्थ्यांचे अभिन्नेन केले.

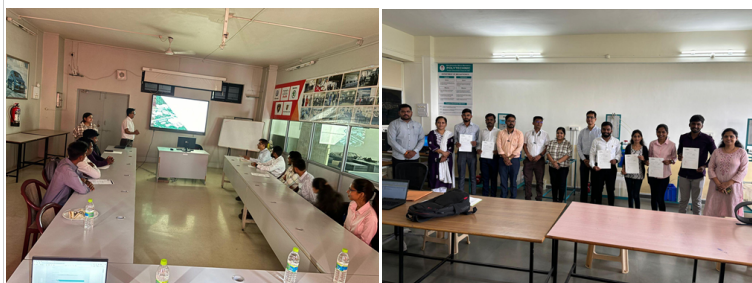
Other Institutes Participated - 07 No. | Students Selected - 102 No.

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) Evalvior India Pvt Ltd., Ranjangaon, Pune - Centre of Excellence in EV Technology:

Evalior India Pvt. Ltd., Ranjangaon, is a reputed multinational company engaged in advanced materials and innovative engineering solutions for the automotive and mobility sector.

Evalior India through its implementation partner, BroadArks 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 Evalior 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:

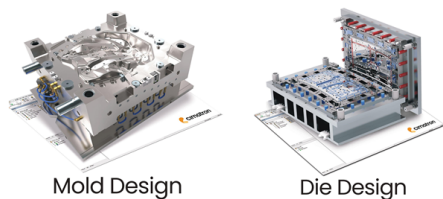
Successful learners will be awarded: NSDC/SSC-aligned certificate issued through an approved awarding body, and Industry certificate from BroadArks Foundation in collaboration with Evalior.

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:



Mold Design

Die Design

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 Radhatech Engineering Pvt. Ltd., Pune:

The institute has entered into an MoU with Radhatech 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 Kilarikar, Radhatech 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.

v) 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:

- Duration of course :- 32 weeks (including 3 weeks in plant training in VW Group Service station)
- Batch Size :- 16 students /batch.
- Current Batch:- 16
- Selection criteria :- Min. 55% marks in class X and min. 60% marks in VG-TAP selection test
- Designation After Placement:- "Service Advisor" or "Technician" in Volkswagen Group Service station.
- Course Activities:-
 - Internal Training is to be done at institute level from VW Certified Trainer.
 - Special 1 week Soft Skill training is to be done at Language Lab.
 - Field Training is to be done from Volkswagen Trainer for 1 week.
 - One month On-the-Job Training is carried out at the dealer network.
- Students Performance Test:-
 - Academic Performance.
 - Institute & VGSPIL will jointly conduct the selection test to select the participants who wish to attend the VG -TAP.
 - During the course students will undergo 10 module tests including practical as well as theoretical tests.
 - Post test is carried out by VW Trainer during Field training.
 - Final test.
 - Final Interview by Dealership.
- Beneficiary Students - 327 No.
- Certified - 300 No

Special Achievements:-

- Institute Award for Best Practices in Teaching and Learning process
- 2022-23: Runner up in the National Skill Contest
- Two faculties appointed as Evaluator for National Level Skill Contest by Skoda and Volkswagen
- Two students are placed at Audi Middle East Dubai.
- One student selected as Diagnostic Testing Technician for Volkswagen Group Vehicles
- One student working as Master Technician at Vidyut Motors, Pune
- One Student working as a service adviser at B. U. Bhandari, Wakad.
- Five students are placed at the Plant location.
- Two students working at VW- Academy as a trainer.

v) Industry Collaboration - Six Sigma Training and Certification



MoU with Pursuence GBS LLP, India

The institute's Department of Mechanical Engineering has entered into an MoU with Pursuence 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:-

- To arrange workshops, expert lectures, Competitions relevant to automobile field in the institute.
- To support technical and Non-Technical events organized by MM Polytechnic
- 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
- 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.
- To develop professional skills among student
- 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	UView 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	18/03/2027	2025-26: 3 Internship
3.	Automation & Robotics	Probotix Control System India Private Limited	FDP,workshops, seminars, guest lectures and internships, industrial visits, Iat developments	8/10/25	7/10/2028	
4.	Automation & Robotics	Robotics-Beech Robotics And Automation Pvt Ltd	FDP,workshops, seminars, guest lectures and internships, industrial visits, Iat developments	1/8/25	37/7/28	
5.	Automation & Robotics	HSER	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	Sciencetech 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.	VGTAPE 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	BroadArts Foundation	EV Skilling Programmes	04-Nov-2025	03-Nov-2028	In process
15.	Automobile Engineering	Radheteck 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	Quality 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	Infoys 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 TECHNOMentors 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	ExecIR	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	Infanet 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	vybruss 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	Enkaaltech private limited	industrial projects, workshops, training programs, internship opportunities	17-Nov-2025	17-Nov-2028	
36	Computer Engineering	Fourise Software Solutions Pvt. Ltd.	industrial projects, workshops, training programs, internship opportunities	17-Nov-2025	16-Nov-2028	
37	Electrical Engineering	Anshika Skill Foundation (CSR of Legend 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	14-02-2023	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 5Y students	26-Sept-2024	28-Sept-2027	2024-25 - 01 Internship-01 2025-26: Internship: 08 No. beneficiaries
43	Electrical Engineering	M/S Sahyadri Enterprises, Iharamati	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	Sciencetech Technology Pvt. Ltd.	SDP,FDP, workshops, seminars, guest lectures and internships, industrial visits	11/02/26	11/02/28	
47	Electronics Engineering	Sdronics Pvt. Ltd	SDP, FDP, workshops, seminars, guest lectures and internships, industrial visits	24/11/25	24/11/27	
48	Electronics Engineering	Artihitech 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	MISC 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 (IISER), Pune	Faculty Development	08.03.2023	07.03.2026	02 No. beneficiaries
56	Mechanical Engineering	Ujja Metallurgical Services	Industrial Visit, In-plant Training	Jun 2023	May 2026	
57	Mechanical Engineering	Pvoti Heat Treatment	Industrial Visit, In-plant Training	Jun 2023	May 2026	2023-24 Industrial Visit: 34 No. beneficiaries
58	Mechanical Engineering	Radhetech Engineering Pvt. Ltd.	Industrial Training, Visits, Guest Lectures	31/01/2026	30/01/2029	Beneficiary: 10
59	Mechanical Engineering	Pursullence 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 Facilities
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	Unit Terminated	
71	Mechatronics Engineering	Tiscan 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	Realtch Precision Engineering		01/10/2020	30/11/2023	
74	Mechatronics Engineering	Realtch 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. Lashda P. Nemade	Lecturer, Automobile Engineering	Member
Mrs. Supriya J. Patil	Lecturer, Computer Engineering	Member
Mrs. Deepali K. Nimalkar	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 - 411 013

Automobile Engineering (Computer Engineering) | Electrical Engineering | Mechanical Engineering | Mechatronics | AITM |
 Management & Robotics

Contact No. - 9657228182, Email ID - office@mmppolytechnic.org

Shri. Shivajirao D. Gawage, President | Pr. Bhanuvela G. Jadhav, Exe. President | Shri. Ashish H. Mungale, Secretary

Ref. No. SIMPT&PED Cell/2025-26/ OFFICE ORDER Date: 19/09/2025

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. Pratiksha Rahul Savalkar	Lecturer, Mechanical Engineering	Member
Ms. 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.



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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 Entrepreneurial Journey	Ms. Manisha Tapaswi, Program Manager, & Mrs. Vaishali Aparajit, Sr. Program Manager, deAra Foundation, Pune Ms. Sheetal Arjunwadkar, Founder Director - SACC Co (OPC), Pune	Computer - 55 No, Electrical - 40 No. and Mechanical Engineering - 3 No.



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 – deAra Foundation, Pune & Mrs. Vaishali Aparajit, Sr. Program Manager – deAra Foundation

Topic: "Entrepreneurial Thinking – Building Awareness & Sparking Curiosity"

Ms. Sheetal Arjunwadkar, Founder Director – SACC Co (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 Dushane, Mr. Ajit Donge, Mrs. Akanksha Patil, Mr. Pankaj Gavade, Mrs. Preeti Pande	AE-18, EE-22, ME-23, MK-17
2.	29th August 2023	Swalambi Bharat Abhyam	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.

Sl. No.	Name of Student	Department	Batch	Name of Organization	Location
1	Balaji Bobade	Automobile Engineering	2025-26	Balaji Automobiles	Chinchwad
2	Aharva Jagtap	Automobile Engineering	2024-25	Brand Stand	Wakad, Datta Mandir
3	Pratik Govind Wnale	Automobile Engineering	2023-24	Govind Auto Garage	Kudalwadi, Bhosari
4	Sahil Tanle	Automobile Engineering	2020-21	Mangalmuri Motors	Chakan
5	Shailosh 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	Borhadewadi 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@mmppolytechnic.com

Shri. Shivajirao D. Ganage President
Prin. Bhanuab 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. Dumbre	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



[Signature]
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

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Automation & Robotics | Electronics Engineering

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Shri. Shivajirao D. Ganage President
Prin. Bhanuab 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 : V.G. TAP Room M.M. Polytechnic Thergaon, Pune-33

Place : Pune 411033
Date : 30/12/2025



[Signature]
Mrs. Geeta 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 2025-27.
- 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 Evaluator 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.

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 in:

- Hon. Executive President,
Marathwada Mitra Mandal,
302/A, Deccan Gymkhana,
Pune-411 004.
- Hon. Secretary,
Marathwada Mitra Mandal,
302/A, Deccan Gymkhana,
Pune-411 004.
- Hon. Treasurer,
Marathwada Mitra Mandal,
302/A, Deccan Gymkhana,
Pune-411 004.

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 authorized to proceed further as per norms.
- **Actions:** The approved expenditure of ₹ 1,00,000 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 enrollment.
 - **Actions:** Admission promotional activities are ongoing and have been intensified.
 - Publicity materials have been distributed across key locations.
 - Counselling 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 enrollment 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 Evaluator India Pvt. Ltd., Pune, under CSIR activity.

- The Principal briefed the members about the 'Centre of Excellence' funding proposal under CSIR activity supported by Evaluator 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 CSIR activity with Evaluator 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		

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)
 - > Dwell 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 (10 days in winter + 20 days in summer)
 - > Dwell 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.

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	
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Policy Document - 2024 - 2025 - Leave Policy		

- > 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		

- > 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) - 03 days.
 - ii) Death of a blood relative - 03 days.
 - Leaves will be granted for the posting 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 at 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



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.



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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.



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D. Extent of awareness among the employees/students (01)-

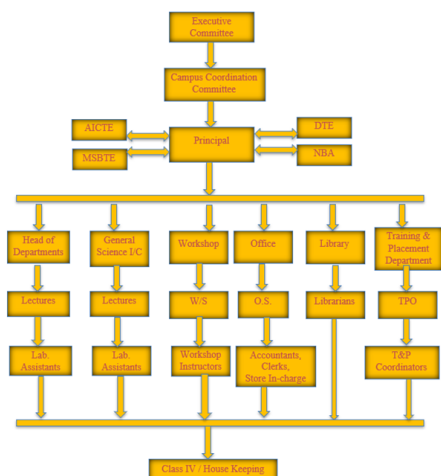
The college ensures adequate awareness among faculty, staff, and students regarding the institution's Vision and Mission, Outcome-Based Education (OBE), Program Outcomes (POs), Course Outcomes (COs), academic regulations, and NBA accreditation processes through orientation programs, meetings, workshops, 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.

	Mrs. Zunjarao Hemangi R.	Lect.in Automation & Robotics Engg.	
	Mrs. Srujalakar Prashba	Lect.in Mechanical Engg.	
	Ms. Haral Ashwini G.	Lect.in Mechanical Engg.	
	Mrs. Tikle 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.Jain Suman S.	Lect.in Computer Engg.	
	Ms.Jadhav Komal A.	Lect.in Computer Engg.	
	MS. Londhe Shweta S.	Lect.in Computer Engg.	
Inviiglator Supervisors	Mrs. Dhalpe Seema B.	Lect.in Computer Engg.	
	Ms.Nalawade Vashishai V.	Lect.in Computer Engg.	
	Mr. Sakulsha Nikhil	Lect.in Computer Engg.	
	Ms. Shital Khemane	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 Jagru 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 Nish M.	Lect.in Mechatronics Engg.	
	Ms. Patil Kavita V.	Lect.in Mechatronics Engg.	
	Ms. Rathor Rupali	Lect.in Mechatronics Engg.	
	Ms. Shelke Gitanjali	Asst. Librarian	
	Mrs. Sawagave A. P.	Lab Asst in Mechanical	
	Mr. Patil R. V.	Lab Asst in Chemistry	
	Ms.Patil P.K.	Lab Asst in Chemistry	
	Mr. Dinkar M. D	Workshop Instructor	
	Mr. Shukle P. V.	Lab Asst in Physics	
	Mr. Shinde Onkar P.	Lab Asst in Computer	
	Ms.Wadkar Rajashri S.	Lab Asst in AIML	
	Mrs. Wagh Rohini	Asst. Librarian	
	Mrs. Pawar S. H.	Jr. Clerk	
Mrs. Nikam D. V.	Jr. Clerk		
Mr. Surate Nish	Sport Teacher		



6.	Internal Vigilance	Mr. Suryawanshi P.N. Mrs. Lakhe M. C. Mr. Kadam Tukhar V. Mrs. Pothkar R. N.	Lect. in Automobile Engg. Lect. in Chemistry HOD Electrical Engg. HOD JAWG.	
7.	Reliever	Ms. Dhalhe Anil A. Ms. Shinde Salloni S. Mrs. Talnikar Pallavi Anil Ms. Patil Shweta	Lect. in Chemistry Lect. in Automobile Engg. Lect.in Automation & Robotics Engg. 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.	Registrar	Mr. Kapse P. K.	O/S	
11.	Account Clerk	Mr. Manoj Anur H.	Account Asst.	
12.	Students Section Clerk	Mr. Patil P. A.	Sr. Clerk	
14.	Humal	Mr. More M. D.	Workshop Instructor	
		Mr. Hanthar J. B.	Workshop Instructor	
		Mr. Dabbarjan 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 Anishash S.	Lab Asst in AO	
		Mr. Bhor T. G	Lab Asst in Electrical	
15.	Control Room Humal	Mrs. Nikam D. V.	Jr. Clerk	
		Mr. Sagar Mahesh U.	Workshop Instructor	
16.	Sweeper	Mr. Salunke Shyam	Lab Asst in Automobile	
		Ms. Lohar Diksha M.	Lab Asst in Electronics	



Jadhav
Principal
Marathwada State's
POLYTECHNIC
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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. Ganuge President Prin. Bhanshab G. Jadhav Ex. President Shri. Kishor H. Mangale Secretary

OFFICE ORDER

Annual Gathering - सत्रिक 2025-26

Following staff members are hereby appointed as members of the committee mentioned against their name. These staff members will 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. Gundia Rahul J.	
			Mr. Patil Pratik S.	
			Mrs. Poharkar Rupali N.	
			Mr. Kadam Tushar V.	
			Mr. Pawe Rajnikant M.	
			Mr. Kapure P.R.	
			Mr. Mohite S.S.	
			Mr. Surate Nitin	
			Mr. Hanthar J.B.	
			Mr. Jadhav Rahul P.	
			Mr. Kothingkar Pramodkumar	
2	Refreshment Committee	Ms. Kale S.S.	Mr. Bhosale Satish M.	
			Mr. Nikam Appasaheb D.	
			Ms. Dahale A.A.	
			Mrs. Jadhav Jyotsna S.	
			Ms. Khese Shital B.	
			Mr. Sutar B.A.	
			Mr. Pawar S.J.	
Mr. More D.M.				
Mr. Bhor T.G.				



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Sr. No.	Name of Committee	Co-ordinators	Members	Sign
3	Gathering Core Committee	Ms. Deshmukh Arati P.	Mr. Bhande P.A.	
			Mr. Salunke S.D.	
			Mr. Shelke P.V.	
			Mr. Patil P.A.	
			Mr. Shinde S.M.	
			Mr. Alankar Abhishek P.	
			Mrs. Talnikar Pallavi Anil	
			Mrs. Jadhav Rashmi R.	
			Mrs. Patil Swapnali M.	
			Mrs. Heretkar M.M.	
			Ms. Dabhe A.A.	
			Ms. Shinde Salloni S.	
			Mrs. Bhore Pooja S.	
			Ms. Ghuge Pooja A.	
			Mr. Alankar A.P.	
			Ms. Patil Shweta	
			Mrs. Nimbalkar D. K.	
			Mrs. Sawarkar Prashiba	
			Mrs. Bhosale Sharmila S.	
			Ms. Rathor Rupali	
			Mrs. Jadhav Jagruti K.	
			Ms. Shete A.P.	
			Mrs. Motankar T.B.	
			Mrs. Patil Supriya J.	
			Mr. Lakshangar 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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Sr. No.	Name of Committee	Co-ordinators	Members	Sign
4	Days Celebration	Mrs. Nadimetia Sneha A.	Mrs. Deshmukh V.A.	
			Ms. Nalawade Vaishnavi V.	
			Ms. Thumane Shital	
			Ms. Haral Ashwini G.	
			Ms. Nemade Ladbha	
			Ms. Nandapure Arati	
			Ms. Patil P.K.	
			Mrs. Wagh Rohini	
			Mr. Nikam Appasaheb D.	
			Patil P.A.	
			Sutar B.A.	
			Mayur Waghole	
			Onkar Pawar	
			5	Prize Distribution
Mrs. Deshmukh Vaishali A.				
Mrs. Chugale Seema B.				
Mrs. Shantajyachita B.				
Mrs. Tale Anuragita A.				
Ms. Kadam V.R.				
Mrs. Patil Kavita V.				
Ms. Shelke G.D.				
Ms. Pawar S.J.				
Mrs. Pawar S.H.				
6	Seating Arrangement & Monitoring during Event	Mr. Salunke B.S.	Mrs. Sawargave A.P.	
			Mrs. Nikam D.V.	
			Mr. Shinde S.M.	
			Mr. Dumbre P.M.	
			Mrs. Lakhe M.C.	
			Mr. Adhinath Patil	
			Ms. Pradnya Patil	
			Mr. Mhalankar G.S.	
Mr. Sutar B.A.				



		Mr. Harthar J.B. Mr. Dhananjay R.S. Mr. Manoj A. W. Mr. Patti P.A. Mr. Waghole M.S. Mr. Shelke P.V.	
7	Sports Mr. Suryawanshi P.N. & Mr. Surate Nitin	Mr. Dandge Ashish G. Mr. Galkwad Nitin M. Mr. Durgar Ashique Mr. Salunkhe Nikhil K. Mr. Adhirath Puri Mr. Pathan Shahrulh Mr. Sutar B.A. Mr. Pawar Onkar S. Mr. Salunke S.D. Mr. Bharde P.A. Mr. Shelke P.V. Mr. Jadhav Rahul P. Mr. Sagar Mahesh U. Mr. Waghole M.S. Dr. Lakhe Mrunalini C. Mrs. Engale K.P. Mrs. Zunjirao Hemangi R. Ms. Pradnya Patil	

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.



[Signature]
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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. Savalajkar	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.

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Shri. Shivajirao D. Ganuge Prtn. Bhanubab G. Jadhav Shri. Kishor H. Mangale
 President Exe. President Secretary

Ref. No. mm/p/office/2025-26/13 Date: 20/08/2025

**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	<i>[Signature]</i>
2	Mr. Sutar S.N.	Police Constable	Police Administration	8888813188	<i>[Signature]</i>
3	Ms. Ghare Dhanashree	Psychologist	NGO	9881038380	<i>[Signature]</i>
4	Mr. Kamble Varsha	News Reporter (Padhar)	Local Media	9767623887	<i>[Signature]</i>
5	Mrs. Dhalpe S.B.	Lecturer	Member Secretary	820623516	<i>[Signature]</i>
6	Mrs. Patil M.S.	Lecturer	Faculty Member	8975002702	<i>[Signature]</i>
7	Mr. Dookar M.D.	Instructor	Faculty Member (Non-Teaching)	9850545812	<i>[Signature]</i>
8	Mr. Patil R.V.	Lab. Assistant	Faculty Member (Non-Teaching)	7385190156	<i>[Signature]</i>
9	Mrs. Bharmal P.S.	Parent	Parent Representative	7387518414	<i>[Signature]</i>
10	Mr. Kolhe C.D. (TY MK)	Student	Student Representative	8390912332	<i>[Signature]</i>
11	Mr. Bharmal S.S. (SY MECH)	Student	Student Representative	7387518414	<i>[Signature]</i>
12	Ms. Jaybhaye P.S. (SY EE)	Student	Student Representative	9158643544	<i>[Signature]</i>



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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.

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Shri. Shivajirao D. Ganuge Prtn. Bhanubab G. Jadhav Shri. Kishor H. Mangale
 President Exe. President Secretary

Ref. No. mm/p/office/2025-26/13 Date: 20/08/2025

**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	<i>[Signature]</i>
2	Dr. Lakhe M.C.	Coordinator	<i>[Signature]</i>
3	Mrs. Dhalpe S. B.	Member	<i>[Signature]</i>
4	Mrs. Pohalkar R.N.	Member	<i>[Signature]</i>
5	Mrs. Patil M. S.	Member	<i>[Signature]</i>
6	Mrs. Savargave A. P.	Member	<i>[Signature]</i>
7	Ms. Girija More (FY EX)	Student Representative	<i>[Signature]</i>
8	Ms. Akansha Darekar (TY CO)	Student Representative	<i>[Signature]</i>
9	Ms. Jasmine Rafiq Dalal (SY AN)	Student Representative	<i>[Signature]</i>



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 Thergaon, Pune - 411 033.

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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Shri. Shivajirao D. Ganage President
 Prin. Bhanushah G. Jadhav Exa. President
 Shri. Kishor H. Mungale Secretary

Ref. No. MPP/101F/1205-26(13) 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. Greta S. Joshi
 (Principal)

Meeting Date: 28th August, 2025
 Venue: Seminar Hall
 Time: 4:20 pm

Handwritten notes and signatures:

- ANI (AN3K) - 20/08/25
- EXI - 20/08/25
- AN2 (AN3K) - 20/08/25
- COB - 20/08/25
- AIK - 20/08/25
- MKIK - 20/08/25
- EE (E-1) - 20/08/25
- SYEE-2 - 20/08/25
- SYEE-1 - 20/08/25
- ME-OK-MIM - 20/08/25
- SYCO (A) - 20/08/25
- TYCO (A) - 20/08/25
- SYCO (B) - 20/08/25
- EXI - 20/08/25
- TYPIG - 20/08/25
- FEIK - 20/08/25
- AOBK - 20/08/25
- SYMK-2 - 20/08/25
- SYMK-3 - 20/08/25
- FXAO - 20/08/25
- SYME - 20/08/25
- TYME - 20/08/25
- COA - 20/08/25
- TYE - 20/08/25
- CO SB - 20/08/25
- MKIK - 20/08/25
- ANIK-BI - 20/08/25

Marathwada Mitra Mandal's Polytechnic
 Sr. No. 417, Pimpri-Chinchwad, Pune - 411 033.
 Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics | ADML |
 Automation & Robotics | Electronic Engineering
 Contact No. - 9657728182, Email ID. office@mmppolytechnic.com

Shri. Shivajirao D. Ganage President
 Prin. Bhanushah G. Jadhav Exa. 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:

- Mrs. S.B. Dhalpe read out the minutes of the previous meeting.
- 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.
- Committee members requested to principal mam that there is need of bus facility and girl's hostel for the girl students.
- 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.
- 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.
- Committee coordinator gave awareness for "Damini Pathak" to girl students.
- 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.

3. Grievance Redressal Cell (2025-26)

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Shri. Shivajirao D. Ganage President
 Prin. Bhanushah G. Jadhav Exa. President
 Shri. Kishor H. Mungale Secretary

Ref. No. MPP/101F/1205-26(13) Date: 20/08/25

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 7830198909	Chairperson	[Signature]
2.	Mr. P. M. Dumbre 9766000223	Coordinator	[Signature]
3.	Mrs. S. B. Dhalpe 8208623516	Member	[Signature]
4.	Mr. V. S. Solanke 9823202098	Member	[Signature]
5.	Dr. P. A. Jadhav 9423959362	Member	[Signature]
6.	Mr. R. J. Gundla 8055103040	Member	[Signature]
7.	Mr. T. V. Kadam 8806107819	Member	[Signature]
8.	Mr. S. P. Ghogare 9858293974	Member	[Signature]
9.	Mrs. R. M. Pohakar 8087618454	Member	[Signature]

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

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 Animation & Industrial Engineering
 Contact No. - 963728182, Email ID - office@mmppolytechnic.com

Shri. Shivrajrao D. Ganga Priti. Bhansali G. Jadhav Shri. Kishor H. Mungale
 President Ex. President Secretary

Ref. No. /M/Off/Comm/2025-26/13 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	<i>[Signature]</i>
2	Mrs. Deshmukh A. P.	Coordinator	<i>[Signature]</i>
3	Mrs. Savalajkar P. R.	Member	<i>[Signature]</i>
4	Mr. Surate N. K.	Member	<i>[Signature]</i>
6	Akansha Kamble (SY CO)	Student Representative	<i>[Signature]</i>
7	Priti Pandit Surwase (SY AE)	Student Representative	<i>[Signature]</i>
8	Dnyaneshwar Suradkar (SY AN)	Student Representative	<i>[Signature]</i>



Stamp: M. M. POLYTECHNIC, PUNE 411033, THERGION
 Signature: PRINCIPAL, Marathwada Mitra Mandal's POLYTECHNIC, Thergion, Pune - 411 033

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. Shivrajrao D. Ganga Priti. Bhansali G. Jadhav Shri. Kishor H. Mungale
 President Ex. 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	<i>[Signature]</i>
2	Mrs. Deshmukh A. P.	Coordinator	<i>[Signature]</i>
3	Mrs. Savalajkar P. R.	Member	<i>[Signature]</i>
4	Mr. Surate N. K.	Member	<i>[Signature]</i>
5	Akansha Kamble (SY CO)	Student Representative	<i>[Signature]</i>
6	Priti Pandit Surwase (SY AE)	Student Representative	<i>[Signature]</i>
7	Dnyaneshwar Suradkar (SY AN)	Student Representative	<i>[Signature]</i>

Mrs Dhalpe S.B.
(Committee coordinator)



Stamp: M. M. POLYTECHNIC, PUNE 411033, THERGION
 Signature: PRINCIPAL, Marathwada Mitra Mandal's POLYTECHNIC, Thergion, Pune - 411 033

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Shri. Shivrajrao D. Ganga Priti. Bhansali G. Jadhav Shri. Kishor H. Mungale
 President Ex. 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	<i>[Signature]</i>
2	Mrs. Deshmukh A. P.	Coordinator	<i>[Signature]</i>
3	Mrs. Savalajkar P. R.	Member	<i>[Signature]</i>
4	Mr. Surate N. K.	Member	<i>[Signature]</i>
5	Akansha Kamble (SY CO)	Student Representative	<i>[Signature]</i>
6	Priti Pandit Surwase (SY AE)	Student Representative	<i>[Signature]</i>
7	Dnyaneshwar Suradkar (SY AN)	Student Representative	<i>[Signature]</i>

Mrs Dhalpe S.B.
(Coordinator)



Stamp: M. M. POLYTECHNIC, PUNE 411033, THERGION
 Signature: PRINCIPAL, Marathwada Mitra Mandal's POLYTECHNIC, Thergion, Pune - 411 033



Marathwada Mitra Mandal's Polytechnic

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Shri. Shivajirao D. Ganage President Priti. Bhauashah G. Jadhav Ex. President Shri. Kishor H. Mangale 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.R. 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.R.Dhalpe
(Committee coordinator)



Mrs.G.S.Joshi
(PRINCIPAL)
Marathwada Mitra Mandal's
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Thergaon, Pune - 411 033.

ICIQC Committee Institute level curriculum implementation and quality assurance committee



Marathwada Mitra Mandal's Polytechnic

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Shri. Shivajirao D. Ganage President Priti. Bhauashah G. Jadhav Ex. President Shri. Kishor H. Mangale Secretary
Ref. No. Date: 20/08/2025

OFFICE ORDER

As per guidelines of MSBTE, "Institute level curriculum implementation and quality assurance committee" (ICIQC) 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	[Signature]
2	Mr. P.M. Dumbre	Ex.Officio.	[Signature]
	Mr. V. S. Solanke		[Signature]
	Mr. R. J. Gundla		[Signature]
	Dr. P.A. Jadhav		[Signature]
3	Mr. S.P.Ghogare	Ex.Officio.	[Signature]
	Mr. T. V. Kadam		[Signature]
	Mrs.R.N. Polhakar		[Signature]
	Mrs P.S.Patil		[Signature]
3	Ms M.M. Herikar	Members	[Signature]
4	Mr R.M. Palwe	Ex.Officio, Member secretary	[Signature]
5	Ms G. A. Chavan	Student Representatives	[Signature]
	Mr O. J. Biosale		[Signature]
6	Mr F. A. Thombare	Parent Representatives	[Signature]
	Mr P. V. Tambe		[Signature]
	Mr A. V. Kinge		[Signature]



Mrs.G.S.Joshi
(PRINCIPAL)
Marathwada Mitra Mandal's
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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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Shri. Shivajirao D. Ganage Prin. Bhaasaheb G. Jadhav Shri. Kishor H. Mungale
 President Exe. President Secretary

Date: 04/09/25

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)
 PRIN. JADHAV
 Marathwada Mitra Mandal's
 POLYTECHNIC
 Thergaon, Pune - 411 033

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Shri. Shivajirao D. Ganage Prin. Bhaasaheb G. Jadhav Shri. Kishor H. Mungale
 President Exe. President 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: 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

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Shri. Shivajirao D. Ganage Prin. Bhaasaheb G. Jadhav Shri. Kishor H. Mungale
 President Exe. President 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 Centre

ATTENDANCE

Sr.no.	Name	Post	Sign
1	Mrs G.S.Joshi	Ex.Officio, Chairman	[Signature]
2	Mr. P.M. Dumbre	Ex.Officio.	[Signature]
	Mr. V. S. Solanki		[Signature]
	Mr. R. J. Gurdia		[Signature]
	Dr. P.A. Jadhav		[Signature]
	Mr. S.P. Ghogare		[Signature]
3	Mr. T. V. Kadam	Member	[Signature]
	Mrs R.N. Pohakar		[Signature]
	Mrs P.S.Patil		[Signature]
	Ms M.M. Herlekar		[Signature]
4	Mr R.M. Patwe	Ex.Officio, Member secretary	[Signature]
5	Ms G. A. Chavan	Student Representatives	[Signature]
Mr O. J. Bhosale	[Signature]		
6	Mr T. A. Thombare	Parent Representatives	[Signature]
Mr P. V. Tambbe	[Signature]		
Mr A. V. Kinge	[Signature]		



Mrs. Geeta S. Joshi (PRINCIPAL)
 PRIN. JADHAV
 Marathwada Mitra Mandal's
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Prin. Bhaasaheb G. Jadhav Shri. Kishor H. Mungale Mrs. Geeta S. Joshi
 Exe. President Secretary Principal

Mission 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
 Date: 04/09/25

- Following Points were discussed in the meeting:
- 1) Welcome
 Mrs.G.S.Joshi welcomed Principal, all committee members of committee, students and parent's representatives.
 - 2) Vision - Mission of the Institute
 Mrs.G.S.Joshi (Principal) shared her 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
 - Feedback by Parents meetings
 - Reporting course fee audit
 - Status of Mid Term submission
 - 4) Parent's representatives gave good remarks on execution status of new schedules and plans of the new year of institute.
 - 5) Student's representatives gave good remarks on execution status of new schedules and plans of the new year of institute.

6) **Principal's Remarks:**
 Mrs. G.S. Joshi (Principal) gave all the required guidelines to all the heads of the departments and also asked to coordinate 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.

Cover Incharge
 Mrs.S.B. Dhalpe



Principal
 Mrs. G. S. Joshi
 PRIN. JADHAV
 Marathwada Mitra Mandal's
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 Thergaon, Pune - 411 033

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Shri. Shivajirao D. Ganage Prin. Bhaasaheb G. Jadhav Shri. Kishor H. Mungale
 President Exe. President Secretary

Ref. No. in the [Handwritten] Date: 20/08/2025

Office Order For Internal Complaint Committee

In accordance with the Sexual Harassment of 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	[Signature]
2.	Ms. Ghare Dhanashree	NGO	[Signature]
3.	Ms. M. M. Herlekar	Member	[Signature]
4.	Mrs S. B. Dhalpe	Member	[Signature]
5.	Ms. A. P. Sawargave	Member	[Signature]
6.	Mr. P. M. Dumbre	Member	[Signature]
7.	Mr. V. S. Solanki	Member	[Signature]
8.	Ms. Y. G. Peekar (SY AIML)	Student Representative	[Signature]
9.	Ms. N. K. Pansare (TY CO)	Student Representative	[Signature]



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Electronics Engineering

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

Prin.Bhausaheb G.Jadhav
President

Dr. Madhavrao V. Suryawanshi
Exe.President

Shri.Kishor H.Mungale
Secretary

Table of Recurring and Non-Recurring Expenses

Particulars ITEMS	FY2023-23		FY2023-24		FY2024-25		FY2025-26	
	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual
Non-Recurring Expenses								
Computer & Softwares	300000	247261.37	500000	4308736.4	500000	4139419	500000	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
Laboratory Equipment	2400000	2852777	900000	816387.9	4000000	3516587.04	2000000	1575089.96
Library 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 System	250000		100000					
Vehicle	100000							
Gymkhana/ Sports Equipment	50000	21000	80000	56497.2	50000		100000	20605
LCD Projector	50000		50000					
Equipments -Other					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	39,209,173	44,353,815	50,034,467	54,296,880	58,584,473



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EOA- Extension of Approval Expenses	100000				400,000	401,500	450,000	483,500
Affiliation Fees	75000	215000	100000	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 IAP Body Repair Course	20000	14603	20000		20000			
News Paper Expenses	20000	6135			20000		25000	16802
Magazine 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 Competition Expenses			400000	240775	300000	162232.72	200000	138065.5
NBA Visit Expenses			70000	55630				
NBA Accreditation, 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 Amphinol Interconnect India Pvt Ltd								10000
Remuneration to Staff (IME)								96900
Remuneration to 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	100000	7586.68	10000	10230.6	10000	9285.96



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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	146379
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					
Labour Charges	10000	15150	15000		15000		15000	104236.44
Lab Manual								4400
Membership Fees / Subscription	15000	12000	20000	226868	250000		250000	560
Office Expenses	80000	96084	75000	71120.24	75000	39676.41	20000	305620
Transport Expenses	70000	58982						15279.23
Building Insurance	60000	60592	60592	22792	30000	30243	50000	44340
Property Tax	230000	2248927	2300000	2119955	2300000	2115755	2300000	65551
Water Charges	60000	45811	50000	79235	80000	78510	100000	2090624
Servicing Expenses								108680
Bank Charges	15000	10563	15000	18891.58	15000	10769.48	15000	25783
Annual Maintenance Contract	300000	356591	700000	596592.44	500000	605127.96	600000	21911.83
Repairs & Maintenance-Computer	150000	121764	50000	38409.63	40000	27080.14	8000	580179.64
Repairs & Maintenance -Electrical	210000	175845	200000	226514.68	200000	145698.59	150000	7679.52
Repairs & Maintenance -Building	800000	1162307	900000	489898.86	300000	380966.02	150000	104494.46
Repairs & Maintenance-Equipments	150000	101385	325000	310066.62	300000	148074.74	200000	10950
Repairs & Maintenance-Laboratory	50000		100000	348132	100000	79400.26	500000	342421.19
Repairs & Maintenance-Expenses Ground			400000					1389636.92
Repairs & Maintenance-Expenses Furniture			500000					21300
Audit Fees	7500	7080	8000	8260	8500	8260	8500	287636.4
	46,413,610	49,733,585	58,398,526	56,287,753	63,695,915	67,383,320	74,641,980	82,035,866.5
	107.15	96.39	96.39	105.71	105.71	109.91		
Recurring + Non Recurring Total	56,443,610	59,381,186	71,978,526	67,832,911	74,845,915	77,330,196	86,941,980	91,435,973
	105.28	94.24	94.24	103.32	103.32	105.17		



Handwritten signature
 PRINCIPAL
 Marathwada Mitra Mandal's
 POLYTECHNIC
 Thergaon, Pune - 411 009

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		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		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		66273.64

9.2.1 Adequacy of Budget Allocation (4)

Institute Marks

4.00



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

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	



[Signature]
PRINCIPAL
Marathwada Mitra Mandal's
POLYTECHNIC
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, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

MODROB POLYTECHNIC - Sanction Letter

F.No.9-70/DC/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- 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.1212500/- (Rupees Twelve 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.195000/-	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 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
GAATR090N	BANK OF INDIA	Foreign	PIMPRI P, P/NO. 11/11 PUNE MAHARASHTRA	MARATHWADA MITRA MANDAL'S POLYTECHNIC	Saving Account	4597102100002	BIIN00090107

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:

- Feedback form in the prescribed proforma.
- 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.
- 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.
- 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.
- Program Evaluation Committee (PEC)** is required to be constituted at Institutional level. The constitution of the PEC shall be as under:
 - Principal/Director/Registrar of the Institution (Chairperson)
 - Two HODs and one subject expert (Members).
 - 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.
- Project completion report indicating the activities undertaken, number of students benefited, laboratory works photographs of students, together with their views to be submitted.
- Attested photocopies of supporting vouchers/bills of expenditure incurred for the completion of Project.
- Photographs of equipment purchased.
- 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

- 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 release.
- Any unavoidable circumstantial change in the project with respect to name of Project Coordinator for the MODOROB 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 MODOROB 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:

- 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.
- 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 favour of Member Secretary, AICTE, New Delhi.
- 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.
- The transportation charges for shifting of equipment/ items be borne by borrowing institute.
- AICTE shall be intimated regarding handover/ takeover of the equipment/ items.
- 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.
- The department/ institute is expected to utilize these equipment along with 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.
- As mentioned in the scheme document, the institute must register in I-STEM (Indian Science, Technology & Engineering Facilities Map) (@https://www.i-stem.gov.in).

g. List of Equipment approved:

	Name of Equipment
Working Model of electric Vehicle	
Computerized Research engine setup (Cylinder 4 Stroke	
Multi-fuel with eddy current dynamometer	
Scan Tool - On Board Diagnostic Tools (OBD-II)	

Yours sincerely,
 Dr. Neeta Sharma
 Advisor - I (IC)

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/DC/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		9,65,004/-	
2	Working model of electric vehicle	12,85,625/-	7,54,492/-	
3	Off Board Diagnostic 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		1,20,809/-	0
2	Salary	2,26,875/-	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.

P. Marathe
 Finance Officer
 (Signature and Seal with date)

[Signature]
 Registrar/Principal/ Director
 (Signature and Seal with date)

Name of the Institution : Marathwada Mitra Mandal Polytechnic
 Address of Institute : Theragon 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.

[Signature]
 For KRISHNA RAWAS & ASSOCIATES
 CHARTERED ACCOUNTANTS
 CA. DR. N. B. RAWAS
 Mem. No- 0375175
 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/DC/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 (MODOROB), 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.

P. Marathe
 Finance Officer
 (Signature and Seal with date)

[Signature]
 Registrar/Principal/ Director
 (Signature and Seal with date)

For KRISHNA RAWAS & ASSOCIATES
 CHARTERED ACCOUNTANTS
 CA. DR. N. B. RAWAS
 Mem. No- 0375175
 M. Com. F. C. A., Ph.D.
 (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

Subj: Release of a sum of Rs.790000/- (Rapees Seven Lakhs Ninety Thousand Only) being the 1st instalment 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/- (Rapees 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. 417, 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
AAAT1506	BANK OF INDIA	Propri	Plot No. 1101 PUNE MAHARASHTRA 411018	MARATHWADA MITRA MANDAL'S POLYTECHNIC	Saving Account	150702100002	IKFI00000507

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 instalment 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 should 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 which the grant is being 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 facto 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/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.

ANNEXURE

FORMAT for UTILIZATION CERTIFICATE

Sanction Letter No. 9-69/IDC/Mod-POL/Policy-1/2021-2022 Date: 20.01.2022

A. NON-RECURRING

Sl. No.	Name of the Equipment Procured	Amount Sanctioned	Amount Utilized (Item wise)	Unspent Balance
1	Surface Roughness Tester		Rs. 1,21,540/-	
2	3-D Printer and Scanner for Additive Manufacturing	Rs. 8,39,375/-	Rs. 10,59,640/-	
	Total		Rs. 11,81,180/-	

Note: The Institute Share in the above said amount is Rs.3,41,805/- & AICTE Sanctioned 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	1,48,125/-	1,20,899/-	0
	Total	2,96,250/-	2,76,704/-	

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-411013

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.

ANNEXURE

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 Instalment) out of this Rs.9,87,500/- has been utilized for the purpose of Modernization and Removal of Obsolescence (MODROB), 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 RAMAS & ASSOCIATES
CHARTERED ACCOUNTANTS
CA. DR. K. H. RAMAS
100/101, 102/103, 104/105
S. No. 10, P. No. 10, P. No. 10
(Signature and Seal with date)

ANNEXURE

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 Instalment) out of this Rs.9,87,500/- has been utilized for the purpose of Modernization and Removal of Obsolescence (MODROB), 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 RAMAS & ASSOCIATES
CHARTERED ACCOUNTANTS
CA. DR. K. H. RAMAS
100/101, 102/103, 104/105
S. No. 10, P. No. 10, P. No. 10
(Signature and Seal with date)

ANNEXURE

FORMAT for UTILIZATION CERTIFICATE

Sanction Letter No. 9-69/IDC/Mod-POL/Policy-1/2021-2022 Date: 20.01.2022

A. NON-RECURRING

Sl. No.	Name of the Equipment Procured	Amount Sanctioned	Amount Utilized (Item wise)	Unspent Balance
1	Surface Roughness Tester		Rs. 1,21,540/-	
2	3-D Printer and Scanner for Additive Manufacturing	Rs. 8,39,375/-	Rs. 10,59,640/-	
	Total		Rs. 11,81,180/-	

Note: The Institute Share in the above said amount is Rs.3,41,805/- & AICTE Sanctioned 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	1,48,125/-	1,20,899/-	0
	Total	2,96,250/-	2,76,704/-	

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-411013

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.

ANNEXURE

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 Instalment) out of this Rs.9,87,500/- has been utilized for the purpose of Modernization and Removal of Obsolescence (MODROB), 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 RAMAS & ASSOCIATES
CHARTERED ACCOUNTANTS
CA. DR. K. H. RAMAS
100/101, 102/103, 104/105
S. No. 10, P. No. 10, P. No. 10
(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)
Nehru Mandala Marg, Vasant Kunj, New Delhi 110070 Website: www.aicteindia.org

Grant for Organizing Conference - Sanction Letter

To
The Drawing and Disbursing Officer
All India Council for Technical Education
Nehru Mandala 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.

Sir,
With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for grant 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 Mandali's Polytechnic, Thergapon, Pune, S. No.4/17, Sector No.34, PONTDA, Off Kalmowadi Road, Thergapon, Pune District, Maharashtra-411031
2.	Permanent ID of Institute:	1-421164773
3.	Title of Conference:	ANCOCA
4.	Mode of Conference:	Onsite Conferences
5.	Level of Conference:	National Level
6.	Name of Coordinator:	Mr. Vikas Solanki
7.	Name of Co-Coordinator:	Rupali Pujari
8.	Grant-in-aid Sanctioned:	Rs. 2,13,300/- (Rupees Two lakh thirteen thousand three hundred only)
9.	Amount to be released during the year 2020-21 as 1 st instalment (50% of grant sanctioned):	Rs. 1,06,650/- (Rupees One lakh six thousand six hundred fifty only)
10.	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 unenclosed 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
TECHTECH/900	INDIA UP	Punjab	PUNJAB NATIONAL BANK, PUNE MAHARASHTRA 411008	SOLANKI VIKAS MR VIKAS SOLANKI	Saving Account	50471821300002	8000000507

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 conditions 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.
d. In case the grant is cancelled, the fund released should be immediately refunded to AICTE with interest accrued thereon.
e. 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, although interest accrued thereon, has to be necessarily returned to AICTE within one month, failing which penalty @ 10% 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/consent 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. Greeting 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 institutions.
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 by 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 prior 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 events.
d. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE, Government of India from time to time. GSI GFR rules (<https://doe.gov.in/order-circular-general-financial-rules2017>) 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.

Copy forwarded for information and necessary action to:

- Name and Address of the Coordinator**
Mr. Vikas Solanki
Marathwada Mitra Mandali's Polytechnic, Thergapon, Pune, S. No.4/17, Sector No.34, PONTDA, Off Kalmowadi Road, Thergapon, Pune District, Maharashtra-411031
- The Registrar/ Director/ Principal**
Marathwada Mitra Mandali's Polytechnic, Thergapon, Pune, S. No.4/17, Sector No.34, PONTDA, Off Kalmowadi Road, Thergapon, Pune District, Maharashtra-411031
- Guard File**

Yours sincerely,
Dr. Neeraj Saxena
Advisor (IDC)

Utilization Certificate
For the financial year: 2020-21

Name of Institute with PID: **Marathwada Mitra Mandali's Polytechnic (1-421164773)**
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 25 th Feb, 2021	Rs. 2,13,300/- Rs. 00 (for Non-recurring) 1,06,650/- on account of unspent balance of previous year + Rs. 8,700/- on account of interest, a sum of Rs.46,648/- has been utilized for the purpose for which it was sanctioned, and the balance of Rs. 82,700/- remained unutilized at the end of the year 2020-21.	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. 8,700/- on account of interest, a sum of Rs.46,648/- has been utilized for the purpose for which it was sanctioned, and the balance of Rs. 82,700/- remained unutilized at the end of the year 2020-21.

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:

- Kind of checks exercised
- Monthly Annual Accounts of the Institute
- Receipt & Payment Account of the Institute
- Periodical Progress Report of the Institute

Signature of Chartered Accountant
Name of CA: **K. H. RAJWADE**
Full Address: **10, C. S. J. Road, Pune-411005**
Date: **25/02/2021**

Signature of Head of the Institute
Name of Head of the Institute: **Dr. Neeraj Saxena**
Designation: **Advisor (IDC)**
Full Address: **Marathwada Mitra Mandali's Polytechnic, Thergapon, Pune, S. No.4/17, Sector No.34, PONTDA, Off Kalmowadi Road, Thergapon, Pune District, Maharashtra-411031**
Date: **25/02/2021**

Signature of the Finance Officer
Name: **P. R. CHANDRAN**
Designation: **Finance Officer**
Full Address: **...**
Date: **25/02/2021**

Place: **Pune**
Date: **25-02-2021**

Purchase Procedure

1. **Submission of Requirement**
 - o The process starts with the submission of a purchase requirement from the concerned department.
2. **Preparation of Specifications**
 - o If the estimated purchase expense exceeds ₹5000, detailed specifications are prepared as per the departmental requirement.
3. **Invitation of Quotations**
 - o A minimum of three quotations are invited from different vendors based on the prepared specifications.
4. **Preparation of Comparative Statement**
 - o After receiving the quotations, a comparative statement is prepared.
 - o The comparative includes:
 - Cost comparison
 - Specifications
 - Quality
 - Warranty/terms and conditions
 - Delivery period
5. **Review and Negotiation**
 - o The Purchase Officer reviews all quotations.
 - o Necessary discussions and negotiations are carried out with vendors to obtain the best possible price and suitable terms.
6. **Purchase Committee Approval**
 - o The Purchase Committee examines:
 - Departmental requirement
 - Comparative statement
 - Vendor details
 - Negotiated rates
 - o The committee finalizes the vendor as per the purchase policy and institutional norms.
7. **Issue of Purchase Order**
 - o After final approval, a Purchase Order (PO) is issued to the selected vendor.
8. **Completion of Purchase Process**
 - o The vendor supplies the required material/equipment as per the Purchase Order and approved specifications.

9.3.2 Utilization of allocated funds (3)

Institute Marks

3.00

ANNEXURE

FORMAT for UTILIZATION CERTIFICATE

Sanction Letter No. 9-70/DC/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		9,65,004/-	
2	Working model of electric vehicle	12,85,625/-	7,54,492/-	
3	Oil 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 /		1,20,809/-	0
2	Salary	2,26,875/-	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.

P. Marathe
Finance Officer
(Signature and Seal with date)

[Signature]
Registrar/Principal/ Director
(Signature and Seal with date)

Name of the Institution : Marathwada Mitra Mandal Polytechnic
Address of Institute : Thergion 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.

[Seal] For KRISHNA RAWAS & ASSOCIATES
CHARTERED ACCOUNTANTS
[Signature]
CA. DR. N. M. RAWAS
M No. - 231717
M Com. P. 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/DC/MOD-POL/POLICY-1/2021-2022 and Rs. 12,10,000/- received and out of this Rs.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.

P. Marathe
Finance Officer
(Signature and Seal with date)

[Signature]
Registrar/Principal/ Director
(Signature and Seal with date)

[Seal] For KRISHNA RAWAS & ASSOCIATES
CHARTERED ACCOUNTANTS
[Signature]
CA. DR. N. M. RAWAS
M No. - 231717
M Com. P. C. A., Ph.D.

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/SLIM 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 wise 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 Secrite 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.
Mobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering | Mechatronics Engineering | Artificial Intelligence & Machine Learning | Animation & Robotics
 Contact No.- 9657728182, Email ID- office@mmppolytechnic.com

NSS ACTIVITY DETAILS INDEX

Sr. No	NSS Activity	Date	Report Y/N
NSS ACTIVITY: - 2025 - 2026			
1	International Women's Day Celebration NSS activity of Marathwada Mitra Mandal's Polytechnic in collaboration with Sadguru Seva Pratishthan Pune on 02- 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 Pahluny 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 SAFALYA Matthi Mein" Program of Marathwada Mitra Mandal's Polytechnic.	11/01/2026 12/01/2026	Y
5	NSS Volunteering activity Pune Grand Tour Cyclothon 2026 with Pune Police NSS Volunteers of Marathwada Mitra Mandal's Polytechnic.	23/01/2026	Y
6	Guest Lecture on "गुण खेवत अलि अलिरेत, वेदत विवेकत अलि अलिरेत" - 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-5 th June	05/06/2025	Y

N.S.S. Program Officer
Marathwada Mitra Mandal's Polytechnic, Thergaon, Pune.

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

Marathwada Mitra Mandal's Polytechnic
 Sr. No. 417, Thergaon (Pimpri-Chinchwad), Pune- 411 033.
 Automobile Engineering | Computer Engineering | Electrical Engineering | Mechanical Engineering |
 Metallurgy Engineering | Artificial Intelligence & Machine Learning | Animation & Robotics
 Contact No.- 9657728182, Email ID- office@mmppolytechnic.com

NSS ACTIVITY DETAILS INDEX

Sr. No	NSS Activity	Date	Report Y/N
NSS ACTIVITY: - 2024 - 2025			
1	Health check-up & Blood Donation Camp session with Ghilap 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 Jallesh- 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 ACTIVITY: - 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 19 th & 20 th November 24.	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 Durumbce	10/03/2024	Y
12	Cleanliness drive, Tree Plantation, at NGO- Gurukulam, Chinchwad	02/03/2024	Y
NSS ACTIVITY: - 2022- 2023			
13	Cleanliness drive, Clean City, Smart city Marathon on 25 th 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
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Report on NSS activity of Marathwada Mitra Mandal's Polytechnic in Collaboration with Pcmc smart city, clean city department: Purple Jallesh 2025(Divyang Mahotsav), a three-day event aimed at empowerment for differently-abled individuals.

Date: 04/03/2025

Submitted:

Subject: Report on NSS Activity of Marathwada Mitra Mandal's Polytechnic in Collaboration with Pcmc smart city, clean city department: Purple Jallesh 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 Jallesh 2025, Divyang Mahotsav:

Purple Jallesh 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.



[Signature]
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MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33
 ACADEMIC YEAR: 2024-25

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Report on NSS activity of Marathwada Mitra Mandal's Polytechnic in Collaboration with Pcmc smart city, clean city department: Purple Jallesh 2025(Divyang Mahotsav), a three-day event aimed at empowerment for differently-abled individuals.


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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Report on NSS activity of Marathwada Mitra Mandal's Polytechnic in Collaboration with Pems smart city, clean city department: Purple Jallosh 2025(Divyang Mahotsav), a three-day event aimed at empowerment for differently-abled individuals.

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 Shriwag Barve:** MLA Shriwag Barve also attended the event, expressing his support for initiatives that empower disabled individuals.
 - **Padmasbhi Murtikant Petkar:** The presence of Padmasbhi Murtikant Petkar, a celebrated orator 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 Exhibition, Stalls.**

Special Acknowledgments: The event was made possible thanks to the permission and support of:

- **Principal Mrs. G.S. Joshi** man 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



	MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33	
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Report on NSS activity of Marathwada Mitra Mandal's Polytechnic in Collaboration with Pems 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** man and **Mr. S.P. Ghogare HOD** for their constant support and guidance.




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Report on NSS Volunteering activity Pune Grand Tour Cyclothon 2K26 with Pune 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 Pune 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.



	MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33	
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Report on NSS Volunteering activity Pune Grand Tour Cyclothon 2K26 with Pune 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. Shekha 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.

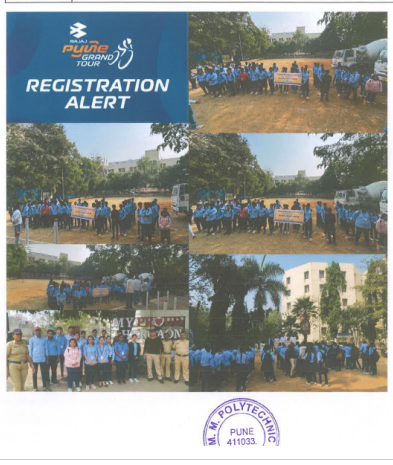
Special thanks to the Kalewadi, Sangvi, and Wakad Police Station teams for their coordination and support.

Report Prepared by:
Mr. J.D. Randive,
NSS Coordinator,
M.M. Polytechnic,
Date: [23/01/2026]



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	MARATHWADA MITRA MANDAL'S POLYTECHNIC, PIMPRI CHINCHWAD, PUNE-33	
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9.6 Alumni Performance and Connect (10)

Total Marks 10.00

Institute Marks
10.00

Alumni Performance and Connect

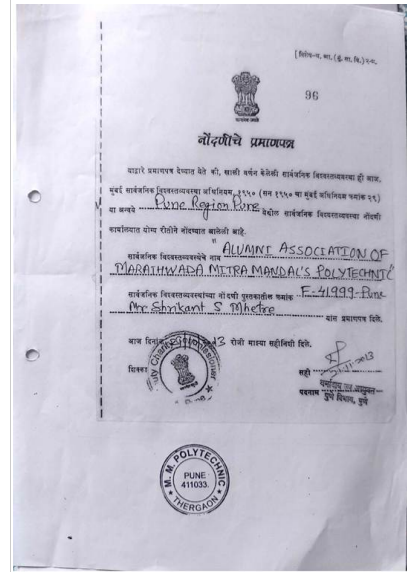
The Alumni association of Marathwada Mitra Mandal's Polytechnic has been established and all the alumni students are the members of it by paying Rs 500/- as lifetime membership fees. It helps to develop the institution and to encourage the students to be successful in their respective field.

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



Members of the first alumni association



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)

(B) PROGRAM SPECIFIC OUTCOME (PSOs)	
PSO1	Maintenance and Testing of automobile components - Make the use of Automobile equipment competently for vehicle maintenance, automotive Electronics and testing.
PSO2	Modern software usage - Use of latest software for simple design drafting Maintenance and documentation of automobile engineering Components and processes
PSO3	Skill sets for entrepreneurs - Build the skill sets for entrepreneurs in Automobile service Sectors.

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 14:36:32