Part A:

1 Name and Address of the Institution:

SJVPM's Rasiklal M Dhariwal Institute of Technology Pawananagar, Chinchwad, Pune

2 Name and Address of the Directorate of Techical Education:

Directorate Of Technical Education ,Maharashtra State, Mumbai

3, Mahapalika Marg, Post Box No.1967, Opp. Metro Cinema, Mumbai – 400 001

3 Year of Establishment:

2001

4 Type of the Institution:

\bigcirc	University	\bigcirc	Autonomous
\bigcirc	Deemed University	\bigcirc	Any Other(Please Specify)
	Affiliated		

5 Ownership Status:

Central Government	Trust
State Government	Society
Government Aided	Section 25 Company
Self financing	Any Other(Please Specify)

6 Other Academic Institutions of the Trust/Society/Company etc., if any:

Name of Institutions	Year of Establishment	Programs of Study	Location
Rasiklal M Dhariwal college of Pharmacy	2006	D Pharm	Chinchwad, Pune
Rasiklal M Dhariwal institute of pharmacuitical education and	2014	B pharm	Chinchwad, Pune

7 Details of all the programs being offered by the institution under consideration:

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	То	Program for consideration	Program for Duration
Diploma in Mechanical Engineering	Diploma	2001	2001	60	No	60	Applying first time			Yes	0

7a Accreditation History

s	Sr.No	Name of the Department	Name of the Program	Year of 1st Accreditation(if Applicable)	Year of 2nd Accreditation(if Applicable)	Year of 3rd Accreditation(if Applicable)
1						

7b Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Diploma	Engineering & Technology	Computer Engg.
2	Diploma	Engineering & Technology	Mechanical Engg.

8 Total number of Employees:

12/12/2023, 12:28

A. Regular* Employees (Faculty and Staff):

Engineering and Technology- Diploma	Shift1	Shift2
Engineering and Technology- Diploma	Shift1	Shift2

Engineering and Technology- Diploma Shift-1

Itomo		2022-23		021-22	2	2020-21	
items	MIN	MAX	MIN	MAX	MIN	MAX	
Faculty in Engineering & Technology (Male)	8	8	6	6	6	6	
Faculty in Engineering & Technology (Female)	1	1	1	1	0	0	
Faculty in Science & Humanities (Male)	0	0	0	0	0	0	
Faculty in Science & Humanities (FeMale)	2	2	2	2	2	2	
Non-teaching staff (Male)	6	6	7	7	7	7	
Non-teaching staff (FeMale)	2	2	2	2	2	2	

B. Contractual Staff (Not Covered in 9.A):

12/12/2023, 12:28

Ε

Engineering and Technology- Diploma Shift-1

140.000		2022-23		021-22	2	2020-21	
items	MIN	MAX	MIN	MAX	MIN	MAX	
Faculty in Engineering & Technology (Male)	0	0	0	0	0	0	
Faculty in Engineering & Technology (Female)	0	0	0	0	0	0	
Faculty in Science & Humanities (Male)	0	0	0	0	0	0	
Faculty in Science & Humanities (FeMale)	0	0	0	0	0	0	
Non-teaching staff (Male)	0	0	0	0	0	0	
Non-teaching staff (FeMale)	0	0	0	0	0	0	

ngineering and Technology- Diploma	Shift1	Shift2
	I	

Engineering and Technology- Diploma	Shift1	Shift2
-------------------------------------	--------	--------

Engineering and Technology- Diploma Shift-1

Course Name	2022-23	2021-22	2020-21
Total no. of Boys	136	182	179
Total no. of Girls	21	10	12
Total	157	192	191

10 Contact Information of the Head of the Institution and NBA Coordinator:

Head of the Institution								
Name	A.B.Thite							
Designation	Principal							
Mobile No.	9822889471							
Email ID	thiteab@gmail.com							

NBA Coordinator, If Designated

Name	Mrs. A.A.Deshpande
Designation	HOD Computer Engineering
Mobile No.	9850978522
Email ID	E-Mail

PART B: Criteria Summary

Critera No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50	50.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	200	200.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	100	100.00
4	STUDENTS' PERFORMANCE	200	123.41
5	FACULTY INFORMATION AND CONTRIBUTIONS	150	119.21
6	FACILITIES AND TECHNICAL SUPPORT	100	100.00
7	CONTINOUS IMPROVEMENT	75	75.00
8	STUDENT SUPPORT SYSTEMS	50	50.00
9	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	75	75.00
	Total	1000	892

Part B

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (50)

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

Total Marks 50.00

Total Marks 5.00

Vision of the institute	A lead provide	of quality and affordable technical education to serve the Society	11
Mission of the institute	M1: To Develo M2: To maintai M3: To bridge	p the ideal working attitude and values of the students. n the quality of Teaching learning Process he gap between industry and institute.	▲ ▼ //
Vision of the Department	Provide quality	technical environment to produce skilled technicians	//
	Mission No.	Mission Statements	
	M1	To create value based education	
Mission of the Department	M2	To educate students about their professional and ethical responsibilities	
	МЗ	To prepare students to be lifelong learners	
	M4	To prepare students to meet the latest trends in the industry	

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

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

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

Total Marks 10.00

Vision and Mission of the department are articulated carefully and are in consistent with the Vision and Mission of the Institute. The mechanism used for the awareness of all the internal as well as external stakeholders about the Vision, Mission statements and PEOs is described below:

- Print and visual media are used to exhibit or display these statements where ever possible.
- · These are displayed on notice boards, in the classrooms and laboratories and in HOD cabin.
- · Students, Parents and all other visitors are able to view these display boards easily.
- · Every year Principal's Address or Induction program is organized for the students who are newly admitted to First year. In this program they are well informed about Vision, Mission and PEOs.
- · Course teachers and Mentors discuss the Vision, Mission and PEOs with the students.
- · During the Parents meet, Alumni meet and similar meetings these statements are always presented through "PPTs".

• By arranging meetings of supporting staff (class C and class D employees) these Statements are explained to them in Vernacular / regional language . The vision, Mission and PEOs are published in various documents and they are disseminated to stake holders by various means. The ways are summarized in Table 1.3(b).

A. Adequacy in respect of publication & dissemination

Table 1.3(a) Publication medium

Sr. No	Medium of Publication	Remark
1	The Institute Website	rmdiot.in (http://www.rmdiot.in/)
2	Department Level Documents	Faculty Course File, Project Report, News Letter
3	Library	Display
4	HOD Cabin	Display
5	Department Notice Board	Display
6	Corridoors of Department	Display
7	Departmental Labortories	Display

Print



Print



Fig. 1.3.1 Display of Vision, Mission statements on Institute website



Fig. 1.3.2 Display of Vision, Mission statements in Departmental Documents (Project Report, Faculty Course file)



Fig. 1.3.3 Display of Vision, Mission statements in Library



Fig. 1.3.4 Display of Vision, Mission statements in HOD Cabin



Fig. 1.3.5 Display of Vision, Mission statements in Department Notice Board



	5 B.	
The second second		

Fig. 1.3.6 Display of Vision, Mission statements in Department Corridoors



Fig. 1.3.7 Display of Vision, Mission statements in Department Labrotories

Table 1.3(b) Dissemination Medium

Sr.No.	Method of Dissimination	Remark
1	College Programs	Display
2	Parent Teachers Meetings	Display
3	Placement Drives	Display
4	Alumni Meetings	Display
5	E-mail corrospondance	Display





Fig. 1.3.8 Information about Vision, Mission statements in College Programs



Fig. 1.3.9 Display of Vision, Mission statements in Parents Meeting



Fig. 1.3.10 Display of Vision, Mission statements in Campus Drives



Fig. 1.3.11 Information about Vision, Mission statements in Alumni Meeting

.

Print

From Rasiklal M Dhariwal Institute of Technology <rmdiot@gmail.com> + To Subject Rasiklal M. Dhariwal Institute_of Technology, Chinchwad, Pune-33 020-27353516 VISION: A lead provider of quality and affordable technical education to serve the Society MISSION: M1: To Develop the ideal working attitude and values of the students. M2: To maintain the quality of Teaching learning Process M3: To bridge the gap between industry and institute. M4: To enhance the multidisciplinary skills of the faculty and students.</rmdiot@gmail.com>	From Rasiklal M Dhariwal Institute of Technology <rmdiot@gmail.com> + To Subject Rasiklal M. Dhariwal Institute_of Technology, Chinchwad, Pune-33 020-27353516 VISION: A lead provider of quality and affordable technical education to serve the Society <u>MISSION:</u> M1: To Develop the ideal working attitude and values of the students. M2: To maintain the quality of Teaching learning Process M3: To bridge the gap between industry and institute. M4: To enhance the multidisciplinary skills of the faculty and students. $\mathfrak{G} \cong$ Sans Serif \star $\mathfrak{T} \leftarrow$ B $\mathcal{I} \sqcup \mathbb{A} \star \mathbb{E} \star \mathbb{E} \oplus \mathbb{E} \oplus \mathbb{E} \oplus \mathbb{F} \oplus \mathbb{F}$ Send $\bullet \mathbb{A} \oplus \mathfrak{S} \oplus \mathfrak{S} \oplus \mathbb{C} \oplus \mathbb{A} \mathbb{F} \oplus \mathbb{F}$</rmdiot@gmail.com>	New Message																					
To Subject Rasiklal M. Dhariwal Institute_of Technology , Chinchwad, Pune-33 <u>020-27353516</u> VISION: A lead provider of quality and affordable technical education to serve the Society <u>MISSION:</u> M1: To Develop the ideal working attitude and values of the students. M2: To maintain the quality of Teaching learning Process M3: To bridge the gap between industry and institute. M4: To enhance the multidisciplinary skills of the faculty and students. M4: To enhance the multidisciplinary skills of the faculty and students. the the the the the the the the the the	To Subject Rasiklal M. Dhariwal Institute_of Technology, Chinchwad, Pune-33 020-27353516 VISION: A lead provider of quality and affordable technical education to serve the Society MISSION: M1: To Develop the ideal working attitude and values of the students. M2: To maintain the quality of Teaching learning Process M3: To bridge the gap between industry and institute. M4: To enhance the multidisciplinary skills of the faculty and students. M4: To enhance the multidisciplinary skills of the faculty and students. M4: To enhance the multidisciplinary skills of the faculty and students. M4: To enhance the multidisciplinary skills of the faculty and students. M4: To enhance the multidisciplinary skills of the faculty and students.	rom Rasiklal M D	Dhariwa	al Ins	titute	ofT	Tech	nolo	gy <	rmd	iot@	@gm	ail.c	com	*								
Subject Rasiklal M. Dhariwal Institute of Technology, Chinchwad, Pune-33 020-27353516 VISION: A lead provider of quality and affordable technical education to serve the Society MISSION: M1: To Develop the ideal working attitude and values of the students. M2: To maintain the quality of Teaching learning Process M3: To bridge the gap between industry and institute. M4: To enhance the multidisciplinary skills of the faculty and students. 5 C Sans Serif * TT * B I U A * E * IE IE IE IE II **	Subject Rasiklal M. Dhariwal Institute_of Technology, Chinchwad, Pune-33 <u>020-27353516</u> VISION: A lead provider of quality and affordable technical education to serve the Society MISSION: M1: To Develop the ideal working attitude and values of the students. M2: To maintain the quality of Teaching learning Process M3: To bridge the gap between industry and institute. M4: To enhance the multidisciplinary skills of the faculty and students. $\therefore \Rightarrow \Rightarrow Sans Serif + \tau T + B I \sqcup A + E + i= = = = = = = = = = = = = = = = = = $	ío.																					
Rasiklal M. Dhariwal Institute_of Technology, Chinchwad, Pune-33 020-27353516 VISION: A lead provider of quality and affordable technical education to serve the Society MISSION: M1: To Develop the ideal working attitude and values of the students. M2: To maintain the quality of Teaching learning Process M3: To bridge the gap between industry and institute. M4: To enhance the multidisciplinary skills of the faculty and students. ★ C Sans Serif * TT * B I U A * E * IE IE IE IE IE IF NO * X	Rasiklai M. Dhariwal Institute_of Technology, Chinchwad, Pune-33 020-27353516 VISION: A lead provider of quality and affordable technical education to serve the Society MISSION: M1: To Develop the ideal working attitude and values of the students. M2: To maintain the quality of Teaching learning Process M3: To bridge the gap between industry and institute. M4: To enhance the multidisciplinary skills of the faculty and students. \mathfrak{S} \mathfrak{C} Sans Serif \star $\mathfrak{T} \star$ B \mathfrak{I} \mathfrak{U} $\mathbb{A} \star$ $\mathbb{E} \star$ \mathbb{H} \mathbb{H} \mathbb{H} \mathfrak{S} \mathbb{K} Send \mathbb{A} \mathbb{B} \mathfrak{S} \mathbb{O} \mathbb{A} \mathbb{H} \mathbb{H}	Subject																					
M3: To enhance the multidisciplinary skills of the faculty and students. $5 \leftarrow Sans Serif \leftarrow T \leftarrow B I \cup A \leftarrow E \leftarrow E \leftarrow E \equiv E = 77 S \leftarrow S$	M3: To enhance the multidisciplinary skills of the faculty and students.	Rasiklal M. Dr D20-27353516 VISION: A lead provider o MISSION: M1: To Devel M2: To maint	f qualit	ty an idea	stitu d affi l wor lity o	te_c orda rkini f Te	of the second se	tech itude	nical e and earni	log) ledu l val	V, Cl ucat ues Proc	tion t of t cess	to s	d,Put erve	the ents.	Socie	ty						
5 ♂ Sans Serif • TT • B I U A • Ĕ • Ἐ ▣ ▣ ▣ 嗎 중 次	Send → A D @ @ A A A E · E E E E E F Send → A D @ @ A A A A E · E · E E E E E F F A A A A A A A A A A A A A	M4: To enhan	e the ga	np be	idisc	iplir	arv	skill	s of	the	fac	ulty	and	l stu	dents								
			Sorif	-	-T -		•	7		۵		=		:=		78			-	17-			
	Send 🗸 🛯 🖙 🙄 🛆 🖬 🔓 🌮 🗄	to a same	Jein	-		-		4	¥	-	Ĩ	=		1=	122	12	1	"	3	~			

1.4 State the process for defining the Vission and Mission of the Department, and PEOs of the program (15)

Total Marks 15.00

- Vision and Mission of the institute are considered as a base.
- The Principal, Mechanical Engineering Department HOD with the active participation of faculty members and based on the feedback from internal and external stakeholders developed the draft copy of vision and mission statement of the department.
- The draft copy validated in the following meetings:-

Sr. No.	Meeting	Date
1	Meeting Draft -1	23/06/2018
2	Meeting Draft -2	20/07/2018
3	Meeting Draft -3	17/08/2018
4	Meeting Draft -4	19/09/2018

• As per the suggestions received in the above meetings the final draft was prepared by the committee and approved in the department meeting on 24/09/2018.

• The vision and mission statements are sent to the management committee for approval. Finally the Vision and Mission are approved by the IQAC Institute.

B. Process of dissemination among stakeholders

Print Institute Vision & Mission MSBTE PEOs





C. Extent of awareness of Vision, Mission & PEOs among the stakeholders

Following stakeholders are aware of Vision, Mission & PEOs



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

Total Marks 15.00

PEO Statements	M1	M2	М3	M4	Justification
PEO1	3	2	2	2	 (Mission 1) Strongly supports PEO1 to embed a strong foundation in Mechanical Engineering to succeed in industry or higher education. (Mission 2) Moderately supports to achieve PEO1, as objective is to achieve professional by adapting to challenges in rapidly changing technology. (Mission 3) Moderately supports to achieve PEO1, as objective is to achieve professional skills for their lifelong journey. (Mission 4) Moderately supports to achieve PEO1, as objective is to achieve latest industrial trends to meets their requirements.
PEO2	3	2	2	2	 Strong support technical knowledge (Mission 1) help in achieving success in higher education or research or entrepreneurship. Better environment for professional growth (Mission 2) can help in adapting emerging technologies. (Mission 3) Moderately supports to achieve PEO2, as objective is to achieve professional skills for their lifelong journey using broad base technologies. (Mission 4) Moderately supports to achieve PEO2, as objective is to achieve latest industrial trends to meets their requirements by adapting state-of-art mechanical engineering broad base technologies.
PEO3	2	3	2	2	 (Mission 1) Moderately supports PEO3 to embed a foundation of technical knowledge leads to professional development. Strong bond is necessary to develop leadership qualities (Mission 2) helps in higher education or research or entrepreneurship. Moderately support technical knowledge (Mission 3) help in achieving success for students lifelong. (Mission 4) Moderately supports to achieve PEO3, as objective is to achieve latest industrial trends to meets their requirements by communicating team members effectively.

PEO Statements	M1	M2	M3	M4
Provide socially responsible, environment friendly solutions to Mechanical engineering related broad-based problems adapting professional ethics.	3 ~	2 •	2 🗸	2 🗸
Adapt state-of-the-art Mechanical engineering broad-based technologies to work in multi-disciplinary work environments.	3 ~	2 🗸	2 🗸	2 🗸
Solve broad-based problems individually and as a team member communicating effectively in the world of work.	2 *	3 ~	2 *	2 🗸
4				►

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (200)

Total Marks 200.00

2.1 Program Curriculum (40)

All POs and PSOs are being demonstrably met through Curriculum ? : NO \mathbf{v}

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
	25.00
A. Process used to identify extent of compliance of curriculum for attaining POs & PSOs (15)	Institute Marks
	15.00

R.M.D.I.O.T. institute is affiliated to Maharashtra State Board of Technical Education, Mumbai.

Classification of courses based on domains

- 1) Science and Humanities
- 2) Basic Engineering
- 3) Advance Engineering
- 4) Project and Electives
- The process used to identify extent of compliance of curriculum for attaining POs and PSOs is as follows



Fig. 2.1.1 process used to identify extent of compliance of curriculum for attaining POs and PSO

٠

	Sr. No.	Semester-1	Semester-2	Semester-3	Semester-4	Semester-5	Semester-6
• List of semester courses	1	English (ENG) 22101	Applied Science (Physics & Chemistry) (ASM)22202	Strength of Materials(SOM) 22306	Theory of Machines(TOM)22438	Miningement(MAN)22509	Emerging Trends in Mechanical Engineering(E TM)22652
	2	Basic Science (Physics & Chemistry) (BSC)22102	Applied Mechanics(AM E) 22203	Basic Electrical and Electronics Engineering(BE E)22310	Mechanical Engineering Measurements(MEM)22443	Power Engineering and Refrigeration(PER)22562	Industrial Hydraulics and Pneumatics(IH P)22655
	3	Basic Mathematics (BMS)22103	Applied Mothematics (AMP)22206	Thermal Engineering(TE N)22337	Fluid Mechanics and Machinery(FM M)22445	Advance Manufacturing Processes(AM P)22563	Automobile Engineering)(AEN)22656
	4	Fundamentals of ICT (ICT)22001	Engineering Drawing(EDR) 22207	Mechanical Working Drawing(MWM)22341	Manufacturing Processes(MPR) 22446	Elements of Machine Design(EMD) 22564	Industrial Engineering and Quality Control(IEQ)2 2657
	5	Engineering Graphics (EGM)22002	Business Communication Using Computers(BCC) 122009	Engineering Metrology(EME)22342	Environmental Studies(EST) 22.447	Tool Engineering(T EN)22565	Computer Integrated Manufacturing (CIM)22658
	6	Workshop Practice (WPM)22004	Mechanical Engineering Workshop(ME W)22010	Mechanical Engineering Materials(MEM)22343	Computer Aided Drafting(CAD)2 2042	Power Plant Engineering(P PE)22566	Refrigeration and Air Conditioning(RAC)22660
	7				Fundamentals of Mechatronics(F OM)22048	Solid Modeling and Additive Manufacturing (SMA)22053	Renewable Energy Technology(R ET)22661
	8					Industrial Training(ITR) 22057	Entrepreneurs hip Development(EDE)22032
	9					Capstone Project Planning(CPP) 22058	Capstone Project Execution and Report Writing(CPE) 22060

Table 2.1.1 Semester wise course list

Classification of courses based on domains

Print

Classification of courses based on domains						
Sr. No.	Course Domains	No. of Courses	Percentage	POs Mapped		
1	Science and Humanities	8	18.60%	PO1, PO5		

2	Basic Engineering	23	53.48%	P01,P02,P03,P04
3	Advance Engineering	5	11.62%	PO1,PO2,PO3,PO4,PO5,PO6,PO7
4	Project and Electives	7	16.27%	PO4,PO6,PO7
	Total			43

Table 2.1.2 Classification of courses based on domains



Figure 2.1.2 Classification of courses based on domains


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

Institute Marks

10.00

Print

List the curriculum gaps for the attainment of defined POs & PSOs



• Process used for identifying curricular gaps

Print

1. A subject teacher does a thorough study of the curriculum. After discussion with other subject teachers a common platform is created wherein the link between various subjects is discussed. The curricular and knowledge gaps are identified and the strategy to overcome these gaps is arrived at.

2. Recent advances in the industry are identified with discussion between visiting faculties and departmental staff. The discussion also highlights the need for students to have knowledge of these advancements. Accordingly, Expert Lectures, Videos, Seminars, Workshops, Training programmes, Industrial visits, Micro projects are arranged.

3. A review of curriculums offered by autonomous institutes is taken into consideration and the necessary contents are added in the seminars

• At PO,PSO level(Curriculum Gap Analysis)

1) POs and PSOs are achieved through formal courses and other co-curricular and extracurricular activities.

2) Target levels of attainment of POs and PSOs are set; program is delivered; actual attainment of POs and PSOs is determined.

3) The loop is closed either by increasing the target level for the next cycle of the program or by planning suitable improvements in all the relevant activities to increase the actual attainment

Process used for identifying curricular gaps

A. PLAN

1. Allocation of course curriculum to faculty

2. Identification of links between various courses

3. Map each course outcome with POs and PSOS.

4. Categorized entire Curriculum into Science and Humanities, Basic Engineering, Advance Engineering, Project and Electives.

B. DO

1. Courses are classified from first semester to sixth semester specified in Table2.1.1 and correlated to one another for checking prerequisite knowledge of semester courses.

2. The shortcomings in the curriculum to attain the Program Outcomes were identified as curriculum gaps.

3. Feedbacks were taken from Internal and external stakeholders to identify curricular gaps.

4. Summarize the identified curriculum gaps.

C. CHECK

1. Recent advances, enhancement and identified curricular gaps are discussed with faculty members.

D. ACT

1. A proper Action Plan to bridge curriculum Gap was prepared. Workshops, seminars, and trainings are arranged for students by experts from Industries, Reputed Institutes and Alumni.

Print

Figure 2.1.5 Process used for Identifying Curricular Gap

List of curricular gaps for PO and PSOs

Sr No	Program Outcome	PSOs	Curricular Gap	Strategy for addressing curricular gap
1	PO 1- Basic and Discipline specific Knowledge	PSO3	 Electrical Vehicle Technology Reading of industrial drawings 	Classroom / Practical sessions.
2	PO 2- Problem analysis			
3	PO 3- Design/Development of solution			
4	P04- Engineering Tools, Experimentation and Testing	PSO2	Awareness of latest technological development	 Industrial visits Expert lectures /videos. Project competition. Industrial Training.
5	PO 5 - Engineering practice for society, Sustainability and environment	PSO3	Safety Management	1. Expert lectures
6	PO6- Project management			
7	PO 7- Lifelong learning's	PSO3	Gap between Theoretical knowledge and practical application	 Industrial Training Micro Project

Table 2.1.3 List of Curriculum gaps for POs and PSOs

2.1.2 Contents beyond the Syllabus (15)	Institute Marks
	15.00
A. Steps taken to get identified gaps included in the curriculum (eg. letters to Board) (2)	Institute Marks

Institute Marks

2.00

Steps taken to get identified gaps included in the curriculum

- The curriculum prescribed by MSBTE is followed in the programme.
- The department continuously motivates the student to enrich their knowledge towards the attainment of POs and PSOs.
- Give feedback to the board regarding gaps at the time of I scheme implementation and K scheme implementation.



NR. 10.15	ALL	Maharast	ma State board of 1	Inclusioni Kabai	andiane .	
	Confidence level on achievement of programme education	al				14
3	objectives (PEOs - accomplishments in					0
	first five years after completion of programme					
	Effect of incorporation of micro projects in					
	conceptual level learning in students.					o
	Success level in including ability to compile, analyse					
5	synthesize and present through Capstone project and project					0
	work.					
6	Influence of Industrial training / internship on the learning in affective					
	domain and employability					P
Sugg	estions for improvement Framework	& transition as stipulated	of curriculum in NEP 2020	in Natio	nal Cred	lit
1.	Recent technologies in Med	hanical Engineerin	g field should be	added		
2.	Recent software used in Me	chanical Engineer	ing field should I	be added		
3.	Students are usually unawa private sector	re about different	carrier opportu	nities in gov	ernment	and Calification
1	Additional behavioral skills to be included	Stress Manag	ement, Time	Manageme	ent	Cane Cane
2	Additional technical skills to be included	Data analysis	,Marketing St	rategy		
3	View on Industrial Training / Internship	Very Good				
4	Types of industry based projects to be included	Artificial Intel Based	ligence Based	, Robotics	Based, I	PLC
5	Changes required for meet curriculum Arrange MSBTE sponsered 1 TO 3 Days training programme in MNC companies for churches					



		Mathematistra Glate Broad of Technical Education
	research explore, synthesize and preser through Capatine project and project work.	N.
×	Enthumore of Endustrial braining / internation or the learning in effective domain and employability	
Suggestio	ns for improvement & tri	anaition of surriculum in National Credit Framework as
1.	Proper training stores for	Applicated in NEP 2020
2.	Recent Historical based	to Page the late and a
3.	Record industrial based on	chevilogine while the scheet to solution
1	Additional behavioral skills to be included	Problem-Solving, Decision-Haking
2	Additional technical skills to be included	Software proficercy, Technical writing
3	Wew on Industrial Training / Internatio	Good Initiative
4	Types of industry based projects to be included	Al flased
5	Changes required for meet curriculum requirement for industry	Arrange MSBITE sponsered Industrial workshops for students

Figure 2.1.2.1: Feedback on the impact of I scheme curriculum

B. Delivery details of content beyond syllabus (10)

.

10.00

Delivery details of content beyond syllabus

- The identified Curriculum gaps are fulfilled by the following process.
- Workshops/ Seminars/ Guest Lecture
- Technical lectures (Internal/External Academic / Industrial Experts)
- Students Lab practices.
- In-plant Training & Industrial Visits.

2022-23

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	Data visualisat	Expert Lecture	25/11/2022	Mr. M. S. Palwade (Powe	Offline	43	P01,P03,P04
2	Electric Vehicle	Expert Lecture	15/02/2023	Mr.Vimal Ojha Director, Ur	Offline	44	PO1,PO4, PS
3	Vehicle Mainte	Expert Lecture	20/3/2023	Mr. Anil Jadhav Chintamani	Offline	43	P01,P04,P05
4	Interview Techr	Expert Lecture	12/11/2022	Mr. Anil Mahajan Project H	Offline	43	P01,P05,P07
5	Soft Skill Deve	Expert Lecture	07/02/2023	Mr. Vipul Kunkar Team Gill	Offline	55	P01,P05,P07

2021-22

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	Safety Manage	Expert Lecture	09/03/2022	Mr. Rajendra Agawane (Ex	Offline	69	P01,P02,P04
2	Industrial Autor	Expert Lecture	11/03/2022	Mr. Pradip Kshirsagar (Ass	Offline	58	P01,P02,P04
3	Personality De	Expert Lecture	10/03/2022	Mr. Arvind Wadkar (Retd. N	Offline	69	P01,P05,P07

2020-21

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs
1	Steam Traps	Expert Lecture	15/05/2021	Mr. Swapnil Patil (Sales Ma	Online	80	PO1,PO3,PO4

2.2 Teaching - Learning Process (160)

Institute	Marks
-----------	-------

25.00

A. Adherence to Academic Calendar (3)

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

Institute Marks

3.00

MSBTE publishes the academic calendar before the start of academic year.

In accordance with this academic calendar, Institute prepares academic calendar and department follow the activity according to the calendar for curriculum implementation.

Print

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION (Autonomous) (ISO 9001:2015) (ISO/IEC27001:2013) 4th Floor, Govt. Polytechnic, Bldg, 49, Kherwadi, Bandra (E), Mumbai-400 051 Tel.No.: 022-62542100 Email:secretary@msbte.com web:www.msbte.org.in

No. MSBTE/D-40/Academic Calendar/Revised/2022/ 241

Date 21 SEP 2022

Revised Academic Calendar for Academic Year 2022-23 for AICTE approved Diploma Engineering, PCI approved Diploma Pharmacy & State Government approved short term (Non-AICTE) courses

	1.	Odd Semest	er Aca	demic	Schedule		
s.n.	Activities	Semester Pattern (3,5,7 semester)	Newly a 1ª set	Newly admitted 1 st semester		ern Newly admitted) 1ª Year	
1	Odd Semester Academic Term	August 17 – December 21, 2022	September 12 – December 24, 2022		August 17 – December 24, 2022	September 12 – December 24, 2022	
2	First Class Test	October 17-19, 2022	ber 17-19, October 2022		November 07 11, 2022	- December 12 - 17 2022	
3	Second Class Test	December 15 – 17, 2022	December 19 – 21, 2022		-	-	
	Examin	ation form filling	ng Sche	dule for	Winter 202	2 Exam	
Regul	ar Exam forms will I	be made available for Even semester & V	Odd seme	ster studen	ts and Backlog e	xam forms will be made	
S.N.	Activities	Filling Exar forms (Norm	Filling Examination forms (Normal Fees)		Examination (With Exam es + Late fees Rs. 200/-)	Filling Examination forms (With Exam form fees + Penalty Rs. 1500/-)	
1	Candidate fill	September 20 October 28, 2	September 20 – October 28, 2022		30 - er 02, 2022	November 04 - 06, 2022	
2	Institute fill & Confirmation	September 20 October 29, 2	September 20 – October 29, 2022		30 - ber 03, 2022	November 04 – 07, 2022	
3	RBTE confirmati	ion		Novemb	er 09 – 11, 202	2	
	Last date for RBT	E confirmation of f	illed exam	form is l	1ª November,	2022 upto 5:00 PM	
Enro	liment schedule f	for Newly admitte	d 1" Sem ewly adm	ester / Y	ear and Direc	t 2 nd year students and er students	
S.N.	Activities	Filling Exar forms (Norr	Filling Examination forms (Normal Fees)		Examination With Regular ate fees of Rs. 200/-)	Filling Examination forms (With regular fees + Penalty Rs. 1500/-)	
I.	Candidate fill October 10 - 2		28, 2022	October 30 - November 02, 2022		November 04 - 06, 2022	
2	Institute fill & Confirmation	October 10 -	29, 2022	October Novemb	30 - ber 03, 2022	November 04 – 07, 2022	
3	RBTE Confirmat	tion		Novemb	er 09 – 11, 202	2	
Last	date for RBTE con	firmation of Enroll	12ment a	nd filled (exam form is 1	In November, 2022 upto	

Page 1 of 3

S.N.	Activ	ities E	xam schedule other than ewly admitted 1ª	Exam schedule for newly admitted 1* semester		
		50	emester students	students		
1	Practical Exam	D	December 22 - 30, 2022 December 26 - 30, 2			
2	Theory Exam	Ja	January 03 - 24, 2023			
3	Declaration of W- 2	022 exam Result F	ourth Week of February 20	23 (Tentatively)		
100	Contraction of State 1	Even Semester	Academic Schedu	le		
Sr. No,	Activities	Semester pattern (2, 4, 6, 8 semester	Yearly Pattern (1, 2, 3 year)	Pharmacy (1 & 2 year)		
1	Even Semester Academic Term	February 01 - May 1 2023	2, December 26, 2022 May 12, 2023	- December 26, 2022 - May 12, 2023		
2	First Class Test	March 15 - 17, 2023	1 st class test is alread conducted in odd semester academic to	ly l* class test is already conducted in odd semester academic term		
3	Second Class Test	May 08 - 10, 2023	May 08 - 10, 2023	February 20 - 24, 2023		
4	Third Class Test Not Applicable		Not Applicable	May 01 06 2022		
				May 01 - 00, 2023		
	Examinati	on form filling Sc	hedule for Summer	2023 Exam		
tegul	Examinati ar Exam forms will be r	on form filling Sc nade available for Even	hedule for Summer	2023 Exam students and Backlog exam		
tegul orms	Examinati ar Exam forms will be r will be made available Activities	on form filling Sc nade available for Even for Odd semester, Even Filling Examinatio forms (Normal Fee	hedule for Summer semester & Yearly pattern semester & Yearly pattern Filling Examinatio forms (With Exar form fees + Late fe of Rs. 200-)	2023 Exam students and Backlog exam students Filling Examination forms (With Exam form fees + Penalty Rs. 1500/-)		
egul orms S.N.	Examinati ar Exam forms will be r will be made available Activities Candidate fill	on form filling Sc nade available for Even for Odd semester, Even Filling Examinatio forms (Normal Fee March 01 - 16, 2023	hedule for Summer semester & Yearly pattern memester & Yearly pattern Filling Examination forms (With Exam form fees + Late fe of Rs. 200/-) March 18 – 22, 2023	2023 Exam students and Backlog exam students Filling Examination forms (With Exam form fees + Penalty Rs. 1500/-) March 24 - 27, 2023		
tegul orms S.N. 1	Examinati ar Exam forms will be r will be made available Activities Candidate fill Institute fill & Confirmation	on form filling Sc made available for Even for Odd semester, Even Filling Examinatio forms (Normal Fee: March 01 - 16, 2023 March 01 - 17, 2023	hedule for Summer semester & Yearly pattern memester & Yearly pattern forms (With Exam form fees + Late fe of Rs. 200/-) March 18 – 22, 2023 March 18 – 23, 2023	2023 Exam students and Backlog exam students and Backlog exam students Filling Examination forms (With Exam form fees + Penalty Rs. 1500/-) March 24 - 27, 2023 March 24 - 28, 2023		
tegul orms S.N. 1 2 3	Examinati ar Exam forms will be r will be made available Activities Candidate fill Institute fill & Confirmation RBTE confirmation	on form filling Sc made available for Even for Odd semester, Even Filling Examinatio forms (Normal Fee: March 01 - 16, 2023 March 01 - 17, 2023	hedule for Summer semester & Yearly pattern iemester & Yearly pattern forms (With Exam form (With Exam form fees + Late fe of Rs. 200/-) March 18 – 22, 2023 March 18 – 23, 2023 March 29 - 31, 202	May 01 = 05, 2023 2023 Exam students and Backlog exam students Filling Examination forms (With Exam form fees + Penalty Rs. 1500/-) March 24 - 27, 2023 March 24 - 28, 2023 3		
tegul orms S.N. 1 2 3	Examinati ar Exam forms will be r will be made available Activities Candidate fill Institute fill & Confirmation RBTE confirmation Last date for RBTE	on form filling Sc nade available for Even for Odd semester, Even Filling Examinatio forms (Normal Fee: March 01 - 16, 2023 March 01 - 17, 2023	hedule for Summer semester & Yearly pattern semester & Yearly pattern forms (With Exam form fees + Late fe of Rs. 200/-) March 18 – 22, 2023 March 18 – 23, 2023 March 29 - 31, 202 exam form is 31" March	2023 Exam students and Backlog exam students and Backlog exam students and Backlog exam forms (With Exam form fees + Penalty Rs. 1500/-) March 24 - 27, 2023 March 24 - 28, 2023 3 , 2023 upto 5:00 PM		
tegul brms 5.N. 1 2 3	Examinati ar Exam forms will be r will be made available Activities Candidate fill Institute fill & Confirmation RBTE confirmation Last date for RBTE Exam	on form filling Sc nade available for Even for Odd semester, Even Filling Examinatio forms (Normal Fee March 01 - 16, 2023 March 01 - 17, 2023 Confirmation of filled mination Schedule	hedule for Summer semester & Yearly pattern Filling Examination form fees + Late fo of Rs. 200/-) March 18 – 22, 2023 March 18 – 23, 2023 March 29 - 31, 202 exam form is 31" March for Summer 2023	May 01 – 05, 2023 2023 Exam students and Backlog exam students and Backlog exam filling Examination forms (With Exam form fees + Penalty Rs. 1500/-) March 24 – 27, 2023 March 24 – 28, 2023 3 , 2023 upto 5:00 PM Exam		
tegul orms S.N. 1 2 3 .N.	Examinati ar Exam forms will be r will be made available Activities Candidate fill Institute fill & Confirmation RBTE confirmation Last date for RBTE Exam	on form filling Sc nade available for Even for Odd semester, Even Filling Examinatio forms (Normal Fee: March 01 - 16, 2023 March 01 - 17, 2023 Confirmation of filled nination Schedule Activities	hedule for Summer semester & Yearly pattern remester & Yearly pattern Filling Examinatio form fees + Late fe of Rs. 200/-) March 18 – 22, 2023 March 18 – 23, 2023 March 18 – 23, 2023 March 29 - 31, 202 exam form is 31" March for Summer 2023	2023 Exam students and Backlog exam students and Backlog exam students Filling Examination form s (With Exam form fees + Penalty Rs. 1500/-) March 24 - 27, 2023 March 24 - 28, 2023 3 , 2023 upto 5:00 PM Exam Duration		
1 2 3 N.	Examinati ar Exam forms will be r will be made available Activities Candidate fill Institute fill & Confirmation RBTE confirmation Last date for RBTE Exam A Practical Exam	on form filling Sc nade available for Even for Odd semester, Even Filling Examination forms (Normal Fee March 01 - 16, 2023 March 01 - 17, 2023 Confirmation of filled mination Schedule Activities	hedule for Summer semester & Yearly pattern Filling Examination form fees + Late fo of Rs. 200/-) March 18 – 22, 2023 March 18 – 23, 2023 March 29 - 31, 202 exam form is 31" March e for Summer 2023	Nay 01 – 05, 2023 2023 Exam students and Backlog exam students and Backlog exam filling Examination forms (With Exam form fees + Penalty Rs. 1500/-) March 24 - 27, 2023 March 24 - 28, 2023 3 Duration 3		
egul orms 3.N. 1 2 3 N. 1 2	Examinati ar Exam forms will be r will be made available Activities Candidate fill Institute fill & Confirmation RBTE confirmation Last date for RBTE Exam A Practical Exam	on form filling Sc nade available for Even for Odd semester, Even Filling Examinatio forms (Normal Fee: March 01 - 16, 2023 March 01 - 17, 2023 Confirmation of filled nination Schedule Activities	hedule for Summer semester & Yearly pattern Filling Examinatio forms (With Exar form fees + Late fe of Rs. 200/-) March 18 – 22, 2023 March 18 – 23, 2023 March 29 - 31, 202 exam form is 31" March e for Summer 2023 1 May 13 – 20, 202 May 24 - June 13	2023 Exam students and Backlog exam students and Backlog exam students Filling Examination form fees + Penalty Rs. 1500/-) March 24 – 27, 2023 March 24 – 28, 2023 3 , 2023 upto 5:00 PM Exam Duration 3 2023		
Regul prms S.N. 1 2 3 .N. 1 2 3	Examinati ar Exam forms will be r will be made available Activities Candidate fill Institute fill & Confirmation RBTE confirmation Last date for RBTE Exam A Practical Exam Theory Exam Industrial training fo Diploma in Engineer the end of 4° semeste	on form filling Sc nade available for Even for Odd semester, Even for Odd semester, Even Filling Examinatio forms (Normal Fee: March 01 - 16, 2023 March 01 - 16, 2023 March 01 - 17, 2023 Confirmation of filled nination Schedule Netivities	hedule for Summer semester & Yearly pattern semester & Yearly pattern filling Examinatio forms (With Exar form fees + Late fe of Rs. 200/-) March 18 – 22, 2023 March 18 – 23, 2023 March 18 – 23, 2023 March 29 - 31, 202 exam form is 31" March for Summer 2023] May 13 – 20, 202 May 24 - June 13 after June 14 - July 22,	2023 Exam students and Backlog exam students and Backlog exam students form fees + Penalty Rs. 1500/-) March 24 - 27, 2023 March 24 - 28, 2023 3 , 2023 upto 5:00 PM Exam Duration 3 2023		

Start of Academic Session 2023-24 : July 24, 2023 (Monday)

Page 2 of 3

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION

(Autonomous) (ISO 9001:2015) (ISO/IEC 27001:2013) 4th Floor, Govt. Polytechnic, Bldg, 49, Kherwadi,Bandra(E), Mumbai-400 051

Tel.No. : 022-62542110/188

Email:secretary@msbte.com

web:www.msbte.org.in

No. MSBTE/D-40/Academic Calendar/2021/ 135

Date 1-1 SEP 2021

Odd semester Academic schedule for academic year 2021-22 (Except Newly

admitted 1st semester / year and Direct 2nd year students)

	Odd Semester Academic Schedule 2021-22						
S. N.	Activities	Odd semester (3,5,7 semester)	Yearly Pattern (2, 3 year)				
1	First Term	September 15 - December 31, 2021	September 15 - December 31, 2021				
2	First Class Test	October 27-29, 2021	October 27-29, 2021				
3	Second Class Test	December 22-24, 2021	-				

WINTER 2021 Exam form filling Schedule (Except Newly admitted 1st and 3rd semester students)

Regular Exam form will be made available only for 3,5,7 semester students and Backlog exam forms will be made available for 1,2,3,4,5,6,7,8 Semester & 1,2,3 Year students

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	October 04 -17, 2021	October 19 - 21, 2021	October 23 - 25, 2021
2	Institute fill & Confirmation	October 04 -18, 2021	October 19 - 22, 2021	October 23 - 26, 2021
3	RBTE confirmation		October 27- 29, 2021	

Note:

- The Classes may be started in Online/Offline (Class Room) or Blended mode (Online as well as Offline) following the prescribed protocols / guidelines / directives from Government or local authorities if any.
- The academic schedule displayed is tentative it may change by considering prevailing COVID 19 situation and guidelines / directives from Government if any.
- 3. Institutes have to take measures to conduct additional instructional days for academic activities if needed.
- 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.
- 5. All Practical & term work shall be completed with continuous assessment as per curriculum till 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.

(Dr. Mahendra R. Chitlange) Secretary, M. S. Board of Technical Education, Mumbai

Copy to:

1. Hon. Director, MSBTE, Mumbai - for information.

- 2. Dy. Secretary, CDC, MSBTE, Mumbäi for information.
- 3. Dy. Secretary, MSBTE Regional Offices, Mumbai, Pune, Nagpur, Aurangabad for necessary action.
- 4. Desk Officer D-40, D-42 & D-43 MSBTE, Mumbai for necessary action.

			EDL	CATION	ł		
Sec.	(Auton 4 th Floo	omous) (IS r, Govt, Polytechnic, I	O 9001 Bldg, 4	l:2015) 9. Kherwad	(ISC i, Bandra (E	/IEC 2704 . Mumba	01:2013) i-400 051
	Tel.No.: 022-	62542100/110/188	6,				
	Email:secreta	iry@msbte.com			web:w	ww.msb1	te.org.in
. MSB	TE/D-40/Even sem /A	cademic Calendar/202	1/00	7 m Tarm	Acadam	I ia Saha	Date 21 JAN 2
	Academi		Eve	n rerm	Academ	ic Sche	aute
	A.Y. 2021-22 Ev	en Term academ Engineering a	ic Sch and P	nedule for harmacy	· AICTE a courses	pprove	d Diploma
S.N.	Course Pattern	Even Term academic schedule	First	Class Test	Second C	ass Test	Third Class Tes
1	Semester pattern AICTE approved Diploma Engineering courses (2,4,6,8)	February 14 - June 03, 2022	April 2022	04 - 06,	May 25 - 27	7, 2022	Not Applicable
2	Yearly pattern Mining courses (1,2,3)	January 24, 2022 – June 03, 2022	1 st class Test is already conducted in Odd Term of A.Y. 2021-22		May 25 - 23	7, 2022	Not Applicable
3	Pharmacy 1 st and 2 nd Year	January 24, 2022 – June 03, 2022	1 st class Test is already conducted in Odd Term of A X 2021-22		March 07 -	12, 2022	May 23 - 28, 2022
Import	tant Note: For State Go published through sen	overnment approved sho arate circular.	ort term	(Non-AICT	E) courses the	Even term	Academic schedule
	Summer 2022 J	Exam form filling Engineering s	Sche	dule for .	AICTE ap	proved	Diploma
	<u></u>	Lingineering		Filling E	xamination		
S.N.	Activities	Filling Examination forms (Normal Fees)		forms (V form fees of Rs	Vith Exam + Late fees . 200/-)	Filling I (With Pen	Examination form: Exam form fees + alty Rs. 1500/-)
1	Candidate fill	March 29 – April 15, 2022		April 17 -	20, 2022	April 22 - 24, 2022	
2	Institute fill & Confirmation	March 29 – April 16, 2022		April 17 -	21, 2022 April 22 - 25, 2022		- 25, 2022
3	RBTE Confirmation	April 26 - 28, 2022					

Note: 1) For State Government approved short term (Non-AICTE) Yearly and Semester pattern courses the Summer 2022 Exam form schedule will be published through separate circular. 2) For Summer 2022 exam Regular Exam form will be made available only for Even semester & Yearly pattern students and Backlog exam forms will be made available for Odd, Even Semester & Yearly pattern students

Page 1 of 2



MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION (Autonomous) (ISO 9001:2015) (ISO/IEC 27001:2013) 4th Floor, Govt. Polytechnic, Bldg, 49, Kherwadi,Bandra(E), Mumbai-400 051

Tel.No. : 022-62542100/110/188/190 Email: secretary@msbte.com web: www.msbte.org.in

No. MSBTE/D-40/Academic Calendar/B2/2020/ C 107 Academic Calendar 2020-21 Date 0 8 DEC 2020

		Odd Sen	nester	Academic Schedu	le	
S.N.	Activities	Odd semester (3, 5, 7)	1 st semester, 1 st Year and Direct year newly admitted students		2 nd Yearly Pattern except 1 nd Year	
1	First Term	17 August 2020 – 30 January 2021	*21 December 2020 - 06 March 20 *21 December 2020 - 10 June 202 (For yearly pattern)		21 17 August 2020 – 10 June 2021	
2	# I - Class Test	16 - 18 December, 2020	28 - 30 January, 2021		16 - 18 December, 2020	
4	# II - Class Test	18 - 20 January 2021	25 - 27 February, 2021			
# MC *Cor	CQ based on-line e nmencement of te	xamination mode. rm as per date spec Winter 20	ified by . 20 Exa	Admission authority m form filling Schedul	e	
Od	d semester Regular	& backlog students, I only (Except 1st Semes	Even Sen ster and L	nester backlog students an Direct 2 nd year newly admitte	d Yearly pattern backlog students ed students)	
S.N.	Activities	Filling Exami forms (Norma	Filling Examination Filling forms (Normal Fees) (With Regular 1		xamination forms es + Late fees of Rs. 200/-)	
1	Candidate fill	05 - 10 January,	2021	12 - 13 January, 2021		
2	Institute fill & Confirmation	05 – 11 January,	2021	12 – 14 January, 2021		
3	RBTE confirmation	n 13 – 16 Januar	y, 2021			
	Last da	te of exam form conf	irmation	by RBTE is 16 th January 2	2021 upto 4:00 PM	
		Winter	2020 E	xamination Schedule	State of the second sec	
S.N.	Activities	Odd semester R Semester backlo backlog student 2 nd year newly au	egular & og studen s <i>(Except lmitted st</i>	1" Semester and Direct 2 nd year newly admitted students		
I.	Practical Exam HOD confirmation Mark sheets	of On or Before 17	, 2021 February,	08 – 12 March, 2021 On or Before 12 March, 2021		
2	Theory Exam	24 February - 17	March, 2	15 - 20 March, 2021		
100	Declaration of Par	ult 18 week of April	2021			

All affiliated institutes shall conduct the practicals as per the curriculum through on-line demonstration / Videos / Virtual lab. Student shall note down the reading in the observation table, do the required calculations if any, write the result / conclusion and submit the same as term work. Teacher shall evaluate the submitted term work as per MSBTE norms.

		Even Sem	ester	Academic Schedule	
S.N.	Activities	Even sem (2, 4, 6,	iester , 8)	Yearly Pattern	
1	Second Term	22 March - 10 June, 2021		17 August 2020 - 10 June, 2021	
2	First Class Test	28 - 30 April, 2021		II Class Test : 28 - 30 April, 2021	
3	Second Class Test	02 - 04 June, 2021		III Class Test : 02 - 04 June, 2021	
	- handlerde	Summer 20	21 Exa	m form filling Schedule	
Ever	ı semester Regular & I	oacklog students, Oo	ld Semes	ster backlog students and Yearly pattern Regular & backlog tudents	
S.N.	Activities	Filling Examinatio (Normal Fee	tion forms Fielding Examination forms (With Regular fees + Late fees of Rs. 200/-)		
1	Candidate fill	17 - 23 April, 2021		25 - 26 April, 2021	
2	Institute fill & Confirmation	17 – 24 April, 2021		25 – 27 April, 2021	
3	RBTE Confirmation	27 – 30 April, 2021			
	Last date	e of exam form conf	irmation	by RBTE is 30 April, 2021 upto 4:00 PM	
	No.25 Aster	Summer	2021 E	xamination Schedule	
S.N.	Activities		Even semester Regular & backlog students, Odd Semester backlog students & Yearly pattern Regular and backlog students		
1	Practical Exam HOD confirmation of Mark sheets		12 – 21 June, 2021 On or Before 21 June, 2021		
2	Theory Exam		24 June - 14 July, 2021		
3	3 Industrial training for 1-scheme students after completion of 4 th semester theory exam.		The schedule of industrial training will be communicated by separate circular.		
4	Declaration of Result		1st week of August, 2021		

Sr. No.	Activities	Filling Examination forms (Normal Fees)	Filling Examination forms (With Regular fees + Late fees of Rs. 200/-)	
1	Candidate fill	**14 - 19 January, 2021	**21 - 22 January, 2021	
2	Institute fill & Confirmation	14 - 20 January, 2021	21 – 23 January, 2021	
3	RBTE Confirmation	23 – 27 January, 2021		
	Last	late of exam form confirmation	on by RBTE is 27 January 2021 upto 4:00 PM	

Note:

- The academic schedule displayed is tentative it may change by considering prevailing COVID 19 situation and guidelines / directives from Government if any.
- Institutes have to take measures to conduct additional instructional days for academic activities if needed.
- 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.
- The institute must ensure that after confirmation of examination forms with late fee / penalty, the question paper requirement is to be submitted immediately to RBTE.
- All Practical & term work shall be completed with continuous assessment as per curriculum till 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.

(Dr. Mahendra R. Chitlange) Secretary, M. S. Board of Technical Education, Mumbai

Copy to:

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

Figure 2.2.1.1 Sample of academic calendar



Academic Calendar

2022-2023

Sr. no.	Activity	Date		
1.	Post SSC Diploma Engineering Admission Process by DTE	From 2 nd June 2022		
2.	Institute Affiliation process	12July- 18 July 2022		
3.	Faculty Meeting (About Academic Calendar and activities)	2 nd Week July. 2022		
4.	On the occasion of Remembrance Day of Late Shri. Hon. Gen. Secretory Shankarlalji Jogidasji Mutha Abhivadan program and Tree Plantation	15 July 2022		
5.	Semester starts (II and III year)	17 Aug. 22 - 21 Dec. 22		
6.	In-Plant Students Training (All Second Year Students)	04 July 22- 14 Aug. 22		
7.	Social Activity (Tree Plantation, NSS camp, Police mitra Activity in various celebrations like Ganesh utsav, dasara etc.)	3 rd week of Aug.2022		
8.	Industrial Guest lecture – I (All Dept.)	4 th week Aug 2022		
9.	Industrial Visit – I (All Dept.)	1 st week of Sept. 2022		
10.	Guest lecture on Personality Development (Common to all)	4 th week Aug 2022		
11.	Semester starts (I year)	12 Sept. 22- 24 Dec. 22		
12.	Industrial Guest lecture – II	2 nd week of Sept. 2022		
13.	Medical Counselling (All Students)	1 st week of Sept 2022		
14.	Industrial Visit – II (All Dept.)	1 st week of Sept 2022		
15.	Independence day celebration	15 Aug 2022		
16.	Guest lecture – Women's Grievance (I Activity)	18 Aug 2022		
17.	Guest lecture on Personality Development (Common to all)	25 Aug 2022		
18.	Industrial Visit – III (All Dept.)	3 rd week of Sept 2022		
19.	Guest lecture on Entrepreneurship Development (Common to all)	08 Sept 2022		
20.	Engineers Day Celebration	15 Sept.2022		
21.	Two days Workshop will be Arranged for All Students	Ist week of oct.22		
22.	Class test- I (II and III year)	17-19 Oct. 2022		



Academic Calendar

2022-2023

23.	Teachers Day Celebration	05 Sept. 2022
24.	Guest lecture on Entrepreneurship Development (Common to all)	08 Sept. 2022
25.	Foundation Day Celebration	08 Sept. 2022
26.	Guest lecture on Personality Development (Common to all)	17 Sept 2022
27.	Women's Grievance (II Activity)	22 Sept 2022
28.	Khande - Navami Celebration	23 Oct.2022
29.	Class test- I (I year)	17-19 Oct. 2022
30.	Industrial Visit – IV	1st week of Nov 2022
31.	Class test- II (II and III year)	15-17 Dec. 2022
32.	Faculty Meeting (discussion and feedback about activities)	02 nd week of Sept. 2022
33.	Practical / Oral exam Winter-2022 (II and III year)	22 Dec 30 Dec. 2022
34.	Class test- II (I year)	19-21 Dec. 2022
35.	Practical / Oral exam Winter-2022 (I year)	26 Dec 30 Dec. 2022
36.	Theory exam Winter-2022	15 Dec. – 05 Jan. 2023
37.	Faculty Meeting (discussion and feedback about activities)	02 nd Week Oct. 2022
38.	Second Semester start (Even Sem.)	01 Feb06 May 2023
39.	Faculty Meeting (Even sem. Academic activities and about Tech menia)	04 st Week Jan. 2023
40.	Talent Search	ll nd week of Feb. 2023
41.	Tech Mania -2023 Inauguration and Paper Presentation Poster Presentation - first session Mini Project Competition - Second session	13 Feb. 2023 15 Feb. 2023
42.	Fun Fair	16 Feb. 2023
43.	Entrepreneurship Development 3-Day Workshop	20-22 Feb. 2023



Academic Calendar

2022-2023

44.	Industrial Visit – V	03 rd week of Feb 2023
45.	Industrial Guest lecture – III	03 rd week of Feb. 2023
4 6 .	Republic Day Celebration	26 th Jan 2023
47.	Guest lecture on Entrepreneurship Development (Common to all)	03rd week of Feb. 2023
48.	Faculty Development Program (FDP) for all teaching Staff	IV th week of Feb. 2023.
49.	Class test- I	15 -17 March. 2023
50.	Industrial Visit – VI	2 nd week of March 2023
51.	Medical Counselling	2 nd week of March 2023
52.	Class test- I	15 March- 17 March 2023
53.	Industrial Guest lecture – IV	2 nd week of March. 2023
54.	Industrial Visit – VI	1 st week of March. 2023
55.	Seminar / Conference / Projects Demo of Students	3rd week of April 2023
56.	Class test- II	26 April -28 April 2023
57.	Practical / Oral exam Summer- 2023	07 May 2023 – 14 May 2023
58.	International Labour day / Maharashtra day	1 st May 2023
59.	Theory exam Summer -2023	17 May 2023- 06 June 2023

Table 2.2.1 Institute Academic Calendar 2022-2023(Even and Odd Semester)

Figure 2.2.1.2 Sample of institute calendar

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

Institute Marks

3.00

- Compile academic calendar in-lined to the MSBTE specification/norms
- On weekly basis Teaching or Laboratory plans is prepared for each subject theory as well as practical including workshop practices.
- It constitutes working days of the semester, internal test, project reviews, industrial visit and other activities planned for the semester such as guest lectures, seminars, workshops, alumni lectures, project contest, symposium and parents meeting and technical events like Techmania and competitions.
- Academic calendar is prepared and discussed with lecturers including lab schedules.
- Institute level meetings of Principal and Head of Departments are conducted periodically for planning of activities and taking review.
- Department level meetings are conducted as per requirement to give instructions to the staff members regarding various activities. In the meeting, planning and review of various activities like attendance of students, class tests and MSBTE results, curriculum coverage, technical activities planned in that duration are taken care of.
- Teaching plans and Laboratory plans are prepared and implemented by individual staff for effective implementation of teaching learning process.
- IAMC: Internal Academic Monitoring Committee is formed. This committee is expected ensure effective implementation of teaching learning processes in the program.

Processes implemented to ensure/improve quality of teaching and learning:



Figure 2.2.1.3 Processes implemented to ensure/improve quality of teaching and learning

- Classroom based Teaching: Traditional classroom based teaching with chalk and duster, Mention CO'S as per unit. Revision and Problem solving is done in classrooms.
- ICT based Presentations: based on various topics are prepared by faculty members and are used for better concept understanding.
- Students prepare and submit models and charts with faculty guidance, assignments and home works given as per units.
- Students develop hands- on skills during practical of almost all courses under the supervision and guidance of course teacher and lab assistant. Lab manuals are also available for majority of the courses to aid learning. Self-learning also takes place through assignments given after completion of a topic for all courses.
- Various technical competitions and exhibitions, group discussions and student presentations are held every year. Students are taken for industrial visits which provide industry based learning. Students are encouraged to undergo Implant training that develops an understanding of industrial requirements and gets a feel of industry environment. A major project helps to develop a working model of a problem by integrating the course outcomes of various courses and reinforces the concepts learnin in the diploma program.
- Counseling and Mentoring is conducted twice in the semester for the students and if there are special cases separate sessions are organized for them through the counselor who is available in the campus premises once a week.
- Students are motivated to participate in various quiz and Technical competitions to develop professional and soft skills. Weak students are guided through remedial lectures. Spoken tutorials and trainings are conducted.
- •
- · Value based education: Subjects like EDE, Environmental study included value educations.
- · Yoga and meditation class built self-confidence and overall development.
- To get real world problem experience, the MSBTE curriculum includes mini projects in various subjects are conducted in second year and project in Third year.
- Importance of reference books and reference sites for preparation of self-notes are encouraged by faculty.
- · Built self-confidence in absent students and poor background students.
- · Conduct orientation and induction programs for first year and for final year, sessions for built resume and information and process of admission in engineering collages.
- · Encourage students to fill scholarship forms and participate in different events which are conducted in other collages.
- Conducting "Techmania" program for Poster presentation and Paper presentation competitions in institute every year.
- Remedial classes and Problem solving sessions are conducted for weak students and DSY students.
- Counseling and mentoring through various sessions are organized to motivate the students, Parent meeting are held time to time to understand their concern.
- Laboratory session- Laboratory work demonstrates how theory can be verified and implemented by hands on experiments through interpretation of results. Experiments are normally done in groups so students learn to work in teams and share ideas with other students.
- •
- Comprehensive Viva The Viva is an important mode of assessment, providing an opportunity for students to demonstrate their knowledge, approach and understandings with the examiners. They are not just an assessment of the students Self-Assessment Report and their performance but usually an opportunity for the external examiner to get feedback from the students on the performance of the department.
- Industrial Visits Industrial visits are arranged to get the students introduce with industrial environment and work ethics.
- Seminar The students collect knowledge related to a topic and present it in a technical report and oral lecture collaboratively.
- · Guest lectures are arranged for various topics and current affairs.
- Online Teaching- During the pandemic situation a lot of discussion took place on teaching and learning methodology to be implemented. Various options such as Zoom meeting, Google Meet were tried.

Teachers endured training courses on online teaching methods. Meetings were accompanied with students to guide them how to tackle with this pandemic situation and how to focus on study. Feedbacks were taken from students time to time through Google form to ensure availability of facility for online teaching. Ultimately Google meet platforms were broadly accepted for online teaching and submission of term work, assignments by students. A demonstration of practical's through Google Meet or through online videos or already available videos on YouTube were prepared by the faculty to conduct practical classes, used for effective teaching and
learning process. Online quizzes were also conducted by some faculty members to ensure complete understanding of the course contents. Also, power point presentations and notes prepared by the faculty members, already available syllabus contents on internet were shared with the students.

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

Institute Marks

It's a common observation that the class consists of students having varying grasping power. The differential teaching concept can be of much help to keep all students interested in learning.

· Usually based on the responses of the students to the questions asked in the class and the marks obtained by them in the previous semester/ class test examination, They can be categorized into

weak or bright student.

Extra classes, practice tests, assignments and special workshops counselling sessions are arranged for weak students to improve their performance.

· However bright students are also involved in these activities with different roles. Solve higher level numerical or questions, explain the concepts to fellow students and conduct additional practical sessions with higher objectives.

Bridge courses are organized for the students taking admission to direct second year level to cover up the curriculum and/or learn courses which are prerequisite to current semester courses.

Bright students are asked to prepare and present a topic from the curriculum in the classroom to improve their confidence, stage daring and understanding.

However various other methods are also adopted by the teachers to identify the bright and weak students in the class

Department of Mechanical Engineering Academic Year 2022-23

ASSIGNMENT-II

 Subject: Manufacturing Processes
 Subject Code: 22446

 Course & Code: ME41
 Class: SYME

 Semester: Fourth
 Name of the Faculty: Mr. MOMINM.M.

 Date:

CHAPTER 2: SHAPING / SLOTTING MACHINE

- 1. Enlist the types of shapers.
- 2. Explain the working principle of shaping machine.
- 3. State the size and specifications of standard shaper.
- 4. Explain the basic parts of a shaping machine with neat sketch.
- 5. Explain how size and specifications of a slotter are to be designated.
- 6. Explain crank and slotted lever quick return mechanism with neat sketch.
- 7. Explain shaping operations with neat sketch.
- Classify the slotting machine and explain the working principle of slotting machine.
- 9. Explain the basic parts of a slotting machine with neat sketch.

10.Explain slotter operations with neat sketch.

Subject teacher

HOD

Figure 2.2.1.4 : Sample assignments for weak students

D. Quality of classroom teaching (3)

Adequate numbers of class rooms are available for conducting lectures and tutorials. Conventional black boards are provided in every class.

· Class rooms are spacious enough, with proper ventilation for circulation of fresh air, to accommodate 70 students. Classroom provided with lights and fans.

· projectors/smart board room can also be used if required.

· Some faculty members use laptop as a teaching aid in classroom.

• Teachers use variety of teaching methods to make teaching more interactive and interesting for e.g. quiz, question answer technique, solving numerical on the black board by the student, showing models. Purposely making small mistake while solving numerical or explaining the concept which is to be identified by the students, using charts, models, mini projects prepared by previous year students etc.

• Previous year course exit feedback which is available as well as Internal and external monitoring feedback are used to improve the quality of teaching learning process. Also the faculty takes feedback from current students to gauge the effectiveness of the methodologies adopted and changes are made if required.

· Due to Covid-19, there was a requirement of a quick shift to online learning mode; therefore, the faculties are now using online platforms like Google meet, Google Forms, Google-Drive, You Tube PPTs etc.



Figure 2.2.1.5 :Sample photo of smart board room

0

Print

Figure 2.2.1.6 Sample photo of classroom

E. Conduct of experiments (3)

.

Institute Marks

80% to 85% courses of Mechanical Engineering, students have to perform practical on experimental set ups, machines, equipment or trainers. Practical batch commonly consists of 20 to 25 students.

- They are further divided into subgroups, 4 students in each group depending upon the nature of the work, to actually conduct the experiment as per the teaching plan for practical.
- The experimental set up is first explained to the students followed by the procedure to carry out the experiments, readings are to be taken and calculations to be performed. Then result is analysed and conclusion is drawn.
- Students are instructed to solve questions in lab manual.
- Students are sometimes asked to gather more information on the related topic.
- Regular assessment of the student's performance is done and record is maintained.
- · Wherever possible, the instructional lab manual developed by MSBTE or the faculty is referred for effective teaching learning process.
- · For some courses students can avail various tools for learning, including additional web resources, video lectures and animated demonstrations.



Figure 2.2.1.7: Sample of progressive assessment sheet

F. Continuous Assessment in the laboratory (3)

 All students submit their lab manuals in which experiments performed. It consists of general information, related concepts, and procedure for the conduct of experiment along with figure of the setup, observations, observation table, calculations, results, graphs if required, conclusion and questions.

Print

- Questions are asked to students to verify the understanding of concepts related to experiments. Cognitive, Psychomotor and Affective domain parameters are considered for the assessment. The submission of the student is evaluated regularly and record is maintained in the continuous assessment sheet D3.
- Knowledge, presentation, in time submission and overall performance of the student is taken into account while giving the marks out of 25.
- · Sometimes special weightage is given for the additional activities such as power point presentation and micro project and capstone project on the related topics.

-	Name of Street, or other	-		-		-1	2	4	\$5.5	14		12.4						-	(HELS)	Cases of Females, or
			-		+++	-	**	+		**		-	-	-				-		2216)
		100				11	14	3Ĥ	53	17	arf.	-	14	51	AT.	01	-	Ŧ		+
1	-		and the second se	1.1	00		14	1	2	H.	-	8	24	4				+		
4	-	-	and the second second second	- P	96	11.		46	14		++ 2	11	11	티	н	-		-	1	-
	-	1	International Contemport		×	10	.00	22		1	10	4	1	4		4	2	-	-	
-	THE OWNER	1111	And and Address of Concession, Name				10	*	他	<u>.</u>	1	1	虎	2	-	-	-		-	
-	-		an and taken der self.	74	116	n	14	*	341	Sec.	4	1	19	2	-	271	-	-	1	
-	Contraction of the	1	Contract of the local division of		ŰĊ,	10.	-	*	10	15		4	*	-	3	-	-		-	
*	-	-	Contraction of Contraction	- 14	18			14	*	H.	10	2	120		-	0	-	-	-	
-	1	-	COLUMN DE LEGENSE DE LA COLUMNE		+	0.00	.0	10	. 11	1		1	M	-	1	4		-	-	
		-	Conception of the local division of the loca			*	10	PA.	1	10	100	11	1	3	-				-	
41	1000	-	and the state		14	1.0		0.	-	.*	H.	10		25	1111		-	+	10.000	-
-		-	a contraction to the		-	10	1H	14	-	18	12	e.	1.00	1		1		-	-	
-	-	-		-	14	17		14			4	1	1		10	121	14		1	
-	-		and set of the set of		Ti,	10	10	1	ŰĤ.	1	1	11	12	- 44-	14	14	10	-	-	
*	Concerned 1	111-1	and a state of the	-	1.4	4	10	10	14	100	18	10	1	14	11	14	1		1	
-	-		Personal Context of Co		1	14	11	11	1-	H	10	H	19		1.00	1.5	11	1	-	-
нī.	-	perma'	1000000 01 010 0 00000		t.	14	10	1	1	11	1	11	1	ЭŅ	19	14	195		1	-
=	-		Concession of Concession, Name		ł.	15	1.	14	13	1	1.44	1		10	2.14		18			
-	Concerne of	1000	CARLING AND A DOLLARD			10	2.0	-	-	10									terit	121

Figure 2.2.1.8 : Progressive assessement of practical format D3

	Performance Indicators	Weightage
	Process Related (15 Marks)	(60%)
1	Handling of the measuring Instruments	40%
2	Calculation of final readings	20%
	Product Related (10 Marks)	(40%)
3	Interpretation of result	20%
4	Conclusions	10%
5	Practical related questions	10%
-	Total (25 Marks)	100 %

Figure 2.2.1.9 : Assessment scheme

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

Institute Marks

At the end of the semester Feedback of teaching learning process is taken from student in the feedback format.

Feedback from the students is taken for every course and the course faculty.

Feedback is based on following parameters.

- 1. Punctuality & Discipline
- 2. Domain Knowledge
- 3. Presentation Skill & Interaction with Students
- 4. Ability to Resolve Difficulties
- 5. Effective Use of Teaching Aids

Feedback given by the students is analysed and discussed in the departmental meeting and remedial action is planned or taken if required

U. ALL	TE Dislama Courses							v - 14
	TE E-INOUIA COULSES	Maharashtro Stat.	Bourd of Th	echnical E	ducation	30	(1804)- 2008 /-1-	
		STUDI	ENTS! FFFD	BACK	utration			
	(Head	of the Department shall ta	ake the feedback	at the End	of Second Cla	ss Test)		
aden	nic Year: 2022-2023 Progra	mme: MECHANICALEN(GINEERING	Semester:	FIFTH	Date:		
Se	Name of the Course (TH /		EachP	ach Parameter to be Assessed on the Scale of 01 to 05 (01 Lowest & 05 - Highest) T			Total	
No.	PK)	Name of faculty	Ponetus/ity & Discipline	Domain Knowledge	Presentation Skill & Interaction with Students	Ability to Resolve Difficulties	Effective Use of Teaching Aids	Marks (Max 25)
_								
2								
				dhack fo	orm			
	Figure 2.2	.1.10 Sample of st	tudent feeu	uvavn n				
	Figure 2.2	.1.10 Sample of st	tudent fee					
nit	Figure 2.2.	.1.10 Sample of st	emester	tests a	nd assic	Inments	s (15)	
nit	Figure 2.2	.1.10 Sample of st	semester f	tests a	nd assiç	Inments	s (15)	
niti	Figure 2.2.	.1.10 Sample of st	tudent feer	tests a	nd assig	jnments	s (15)	
nit	Figure 2.2. atives to improve ss for Internal ser	.1.10 Sample of st	semester	tests a	nd assig nd evalu	inments	s (15) nd effe	ctive pro

9.

Print

1. Two progressive tests are conducted for each course in each semester as per the MSBTE academic calendar. Question papers for first progressive test is set on 40% of course contents and for second progressive test, question papers are set on remaining 60% of course contents.

2. The question paper is designed as per sample question paper given by MSBTE.

3. The question paper is set based on the syllabus completion for each test. The question papers are set by the course coordinator, confirmed, and approved by the Head of the Department, Principal and handed over to the exam cell.

4. Class tests question papers are prepared and suitable mark weightages are given for remembering, understanding and application level questions.

5. Blooms Taxonomy is followed while setting the internal exam question papers

6. The Exam cell prepares the schedule of the internal test date based on academic calendar

7. The faculty after every class test makes model answers.

8. The faculty member evaluates the answer books of progressive test or class test.

9. The faculty member maintains the record of progressive test in department register also in D5 format.

10. Total marks obtained in two tests in all course is converted as sessional work marks.

Unit	Unit Title	Teaching	Distri	bution of	f Theory	Marks
No.		Hours	R Level	U Level	A Level	Total Marks
Ι	Non conventional Machining Methods	10	02	04	06	12
П	Milling Machines and Milling Processes	10	02	04	06	12
III	Gear Manufacturing	10	02	02	06	10
IV	Fundamentals of Computer Aided Manufacturing	10	02	04	06	12
V	CNC Part Programming	14	04	04	08	16
VI	Automation and Robotics	10	02	02	04	08
	Total	64	14	20	36	70

SUGGESTED SPECIFICATION TABLE FOR QUESTION PAPER DESIGN

Figure 2.2.2.1: Suggested specification table for question paper design

10	Shri Jaia Yidya Prasarak Mandal's Rasiklai M.Dhariwal Institute of Technology Class Test -I 2022-2023	Ma	nikeh	and
Yea Sub	r/Course : ME41 ect : MPR(22446)	Time Mark	:1 Hr s:20	
Q. NO.	QUESTION	co	MAR KS	R'U/A
Q.1)	Attempt any four of the following	Marks 8 (4*2)		
a)	List types of chips produced in machining processes	C446.1	2	R
b)	List any four accessories used on Lathe.	C446.1	2	R
c)	Explain in short mechanics of chip formation.	C446.1	2	U
d)	State the functions of Headstock of lithe machine	C446.1	2	U
e)	Give classification of shaping machines	C446.2	2	R
f)	Name the different mechanism used for Ram drive actuation in slotting machine	C446.2	2	A
Q.2)	Attempt any three of the following	Mar	ks 12 (4	3)
a)	Explain with sketch quick return mechanism used in shaping machine	C446.2	4	U
b)	Explain various drilling machine operation with near sketch.(at least three)	C446.1	4	A

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

1. Each unit has course outcomes which are mapped with unit outcomes given in the MSBTE syllabus.

2. Each question is mapped with respective course outcomes while setting question paper.

3. The question paper is designed as per pre decided taxonomy level for progressive test as prescribed

in curriculum of MSBTE.

.

4. The main focus of assessment is assessing the Remember, Understanding and Application level of course outcome. The internal semester question paper (Progressive Test 1&2) are mapped with RUA.

5. While setting question paper, question bank and previous semesters end examination papers are also taken into consideration.

No.	Shri Jain Yidya Prasarak Mandal's Rasiklal M.Dhariwal Institute of Technology 2007 Class Test -I	Ма	nikeh	and
Yea Sub	2022-2013 r/Course : ME41 ect : MIPR(22446)	Time Mari		
Q. NO.	QUESTION	co	MAR KS	R/U/A
Q.1)	Attempt any four of the following	Marks 8 (4*2)		
a)	List types of chips produced in machining processes	C446.1	2	R
b)	List any four accessories used on Lathe.	C446.1	2	R
c)	Explain in short mechanics of chip formation.	C446.1	2	U
d)	State the functions of Headstock of lathe machine	C446.1	2	U
e)	Give classification of shaping machines	C446.2	2	R
f)	Name the different mechanism used for Ram drive actuation in slotting machine	C446.2	2	A
Q.2)	Attempt any three of the following	Mar	ks 12 (4	3)
a)	Explain with sketch quick return mechanism used in shaping machine	C446.2	4	U
b)	Explain various drilling machine operation with neatsketch.(at least three)	C446.1	4	A

Figure 2.2.2.3 Class test question paper with course outcomes and learning levels

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

Institute Marks 5.00

5.00

Print

25/11/2023, 11:19	Print
1. Due care is taken to ensure CO attainment while setting the question paper for progressive test.	
2. Generally first 2 to 3 course outcomes are get mapped with the questions of first progressive test exam.	
3. Remaining course outcomes get mapped in the second progressive test.	
4. Assignments are also given to the students by the course teacher on all topics of the course and hence all	
Course outcomes are covered in it.	
2.2.3 Quality of Experiments (15)	Institute Marks
	15.00
A. Experimental methodologies (5)	Institute Marks

For most of the courses experiments are prescribed in the syllabus prescribed by MSBTE. Before performance of experiment, prerequisites are explained and demonstrated. Quality of experiment can be achieved by limiting the batch size 20 to 25. Experiments are conducted in a group of 4 to 5 students.

At the starting of semester lab plan is prepared by respective course teacher. Basically intellectual skills like testing / verification of properties, selection of proper range of instruments, interpretation of the test results and motor skills like drawing circuit diagrams, graphs, or phase diagrams, handling and operation of instruments, reading the instruments, observation table reading, step by step procedure for performance of test are developed through experimentations. In a Laboratory manual designed by MSBTE ensures attainment of course outcomes. After the completion of experiment course teacher instructed to students to solve questions in lab manual.



Figure 2.2.3.1: Sample of laboratory manual

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

Institute Marks

5.00

• Some industrial visits are arranged for innovating experiments, like identification of components in IC Engines, motor skills such as assembling and dismantling 4 stroke IC engine industrial visits are arranged in service centre. Trainings are organized with the help of AVTS aundh to provide hands on experience to the students. Industrial visits are often arranged to understand the application of theoretical concepts.

• MoU's with local industries to enhance Institute-Industry interaction and opportunities to undergo training.

• Virtual Labs and videos are used in online mode during Covid Pandemic situation.

25/11/2023, 11:19

C. Relevance to outcomes (5)

Print

All the experiments in the syllabus are relevant to course outcome given in MSBTE syllabus. Hence performing experiment and its evaluation certainly targets towards attainment of Course outcomes.

After the completion of the Laboratory experiments the students are able to

1. Apply the basic knowledge of engineering practices, science and mathematics to propose and apply effective engineering solutions.

2. Develop an ability to understand or solve key concepts discussed in the classroom.

3. Identify suitable hardware or software part to implement procedures.

4. Work effectively in groups or as individual member to complete the assigned responsibilities and work in a team work.

5. Communicate effectively about laboratory work both orally as well as in writing technical reports.

6. Practical Course outcome matrix is also provided in laboratory manual.

Industrial Hydraulies and Presamatics (22655)

Practical- Course Outcome matrix

	Lotenty various components of hydraulic & presumatic systems. L Identify various components of hydraulic & presumatic systems. Select pomp and actuators for fluid operated systems. Select control valves for fluid operated systems. Select compressor and accessories for fluid operated systems. Develop different hydraulic circuits for simple applications. Develop different hydraulic for simple applications.										
S. No.	Prictical Outcome	CO a.	CO b.	00 6	CO d	CO e	C0 f.				
L	Identify the components and Draw ISO symbols used in hydraulic and pneumatic system.	s.	÷.		23	100	3				
2,	Analyze the performance of Pump and Actuators mounted on hydraulic trainer.		¥				(8)				
3.	Analyze the performance of control valves used in hydraulies and pneumatics.			×	\sim		-				
4.	Analyze the performance of compressor, FRI, unit, special valves and accessories of pneumatics.	4		÷.	÷		92				
5.	Construct and actuate hydraulic circuit for SAC, DAC and Hydro metor for the given purpose.	٠.	34		*	ý	*				
6.	Construct and actuate Meter-ir, Meter out Hydraulic circuit for the given purpose.				- 23	-v					
7.	Construct and actuate hydraulic circuit for the given sequencing of operations,			20 8	*	v.	+				
8.	Develop circuit for simple machine tool applications such as milling machine, shaper machine, grinding machire	2	×.	÷		1	10				
9.	Maintain simple parts of mobile by draulic system such as in earth moving ecuipment.		8			Ŵ.	(4)				
10.	Maintain simple parts of any one stationary hydraulic system such as in any machine tool		1	*	*	ŵ.	*				
п.	Maintain simple parts of any one stationary Pneumatic system such as in any machine tool.	\sim	145		- 55		V				
12.	Construct and actuate Pneumatic vircuit for SAC, DAC and Air motor for the given purpose.		30	-	*		¥				
13.	Construct and actuate speed control Pneumatic circuits for the given purpose.	\sim	1	4	10	12	s.				
14.	Construct and actuate indirect (pilot) centrol Pneumatic circuit for the given purpose.	(\mathbf{x})		-	*		V				
15.	Construct and actuate Poeumatic zircuit for the given sequencing of operations.	35			*	1	V				
16.	Construct and actuate Pneumatic circuit for the given Logic functions (AND/OR/TIME DELAY)			-	*	-	¥				

Figure: 2.2.3.2 a figure shows sample of practical course outcomes matrix

Print

2.2.4 Quality of Students Projects and Report Writing (35)					
	35.00				
A. Identification of projects and allocation methodology (3)	Institute Marks				
	3.00				
1. Students were grouped into batches of five students.					
2. Project guides were allotted to the capstone project groups in sequence of seniority.					
3. However freedom was given to students to select the project guide if the nature of project matches					
with the field of expertise of the concerned faculty.					
4. Students groups will select multiple topics in different areas.					
5. Students project groups final one of the topic from their project guide.					
6. Project synopsis is prepared by the student and submitted to respective guide for evaluation at the end of semester.					

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

Institute Marks

Table 2.2.4.1: List of project and POs/PSOs for 2022-23 (CAY)

Sr. No.	Title of Capstone Project	PO/PSO Covered
1	Pneumatic Metal Sheet Bending Machine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
2	Shaft Coupling	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
3	Welding Slag Clear Machine Auto Positioning Indexer Table	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
4	Diaphragm spring Type Single Plate Clutch	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
5	Multi Axis Welding Positioner	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
6	Fined Type Heat Exchanger	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
7	Sprocket Side Stand Retrieve System	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
8	Scrap Collection Machine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
9	Vertical Axis Wind Turbine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
10	Wind Turbine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
11	Working Model of Multi Plate Clutch	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
12	Solar Powered Lawn Moving Robotic Vehicle	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3

Table 2.2.4.2: List of project and POs/PSOs for 2021-22 (CAYM1)

Sr. No.	Title of Capstone Project	PO/PSO Covered
1	Smart Street Light System	P01,P02,P03,P04,P05,P06,P07,PS01,PS02,PS03
2	Cylinder Picker	P01,P02,P03,P04,P05,P06,P07,PS01,PS02,PS03
3	Electric Bike	P01,P02,P03,P04,P05,P06,P07,PS01,PS02,PS03
4	Box Transport Mechanism	P01,P02,P03,P04,P05,P06,P07,PS01,PS02,PS03
5	Fifth Wheel Parking System	P01,P02,P03,P04,P05,P06,P07,PS01,PS02,PS03
6	Design And Fabrication Of Electricity Generation By Speed Braker	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
7	Automated Metal Sheet Punching Machine	P01,P02,P03,P04,P05,P06,P07,PS01,PS02,PS03
8	Automated Bumper For Damage Reduction With Emergency Braking Mechanism	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
9	Bluetooth Control Robot With Forward Collision Avoidance	P01,P02,P03,P04,P05,P06,P07,PS01,PS02,PS03
10	Obstacle Avoiding Robotic Car	P01,P02,P03,P04,P05,P06,P07,PS01,PS02,PS03
11	Design Of Mechanical Hydraulic Jack	P01,P02,P03,P04,P05,P06,P07,PS01,PS02,PS03
12	Vortex Tube	P01,P02,P03,P04,P05,P06,P07,PS01,PS02,PS03

13	Air Operated Engine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
14	Single Pedal Acceleration And Braking System	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
15	Solar Air Cooler	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
16	Development Of Gas Level Indicator Stand For LPG Cylinder	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
17	Fertilizer Spreading Machine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
18	Solar Tracking System	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
19	Total Preventive Maintenance	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
20	New Concepts Of Open Type Wind Generator	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3

Table 2.2.4.3: List of project and POs/PSOs for 2020-21 (CAYM2)

Sr. No.	Title of Capstone Project	PO/PSO Covered
1	Button Operated Electromagnetic Gear Shifting For Two Wheeler	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
2	Development Of Metal Rolling Machine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
3	Pneumatic Sheet Metal Shearing/Cutting Machine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
4	Hydro pneumatic Bar Cutter	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
5	Pneumatic Ramming Machine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
6	Design And Fabrication Of Rocker Bogie Mechanism Geo survey Rover	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
7	Box Transport Mechanism	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
8	Pneumatic Bench Voice	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
9	Hydraulic Sheet Metal Bending Machine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
10	Modified Air Cooler With Split Cooling Unit	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
11	Coconut DE husking Machine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
12	Design And Development Of Fuel Injection Timing Using Diesel Engine Test Rig	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
13	Design & Construction Of A Universal Coupling	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
14	Design & Fabrication Of Sugarcane Cutting Machine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
15	Vapour Compression Test Rig. Maintenance	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
16	Multipurpose Agriculture Machine	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
17	Hydroelectric Power Plant	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3

25/11/2023, 11:19

Print

18	Design Of Flywheel For Improved Energy Storage Using Computer Aided Analysis	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
19	Pneumatic Vehicle	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
20	The Jig Saw Machine.	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
21	Heat Recovery Device	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3
22	The Study Of Total Preventive Maintenance	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PSO1,PSO2,PSO3

C. Process for monitoring and evaluation (5)

Institute Marks

1. At the end of 5th semester, each project batch submits project synopsis contains action plan and abstract of the project along with list of materials required.

2. Since project is to be fully completed in sixth semester, the part of the project which is planned to be completed in fifth semester is only to be evaluated. Marks to be also given based on ability to collect relevant

Information, ability to follow correct procedure, manipulative skills, and ability to observe, record in the use of material and equipment, quality of workmanship has to be also assessed.

3. Procurement of materials, assembling, testing, interpretation of results, report writing including costing and benefits to society and presentation is done in sixth semester. Format of report is specified in the syllabus.

4. Evaluation is based on continuous assessment at each step of project starting form finalization of project, related literature survey, procurement of material, testing of components, assembly components,, connections if any, performance, observations, results, their interpretation and analysis.

5. Criteria for evaluation are project proposal, punctuality and overall contribution, project diary, execution of plan during sixth semester, project report and presentation.

04

25

6. Faculties encourage students to participate in state level project exhibitions, which are aimed to provide common platform to exhibit their innovations and work towards excellence in latest technology.

S. No.	Description	Marks				
1	Problem Identification/Project Title (innovation Autility of the project for industry) user/andemia) marks to be also given based on (i) accuracy or specificity of the scope and (ii) appropriateness of the work with reference to desired course outcomes.	02	-			
2	Industrial Survey and Literature Review (marks to be given based on extent/volume and quality of the survey of industry / society / institutes/literature/internet for problem identification and possible solutions)	02				
3	Project Proposal: Marks to be given also based on appropriateness, flexibility, detail and clarity in methods/planning. (In case of working models, detailed design and planning of fabrication/sisembly of the prototype has to be also assessed). This proposal should include whole project including work to be done in aistin semester.	02				
4	Execution of Plan in fifth semester (Since project is to be fully completed in sixth semester, the part of the project which is planned to be completed in fifth semester is only to be evaluated: marks to be also given based on ability to collect relevant information, ability to follow correct procedure, manipulative skills, ability to observe, recend & interpret, ingenuity in the use of material and equipment, target achievement) In case of working models, quality of workman ship (including accuracy in dimensions, shape, tolerance limits), appropriateness of raw materialiscomponents/ technology being used, functioning of the prototype, cost effectiveness, marketability, modernity etc, has to be also accuracy	02				
5	Log book (for work during fifth semester, marks to be given based on detailed and receiver ontex	03				
6	Portfolio for Self learning and reflection (for work during lifth semester) Marks based on amount of reflection and completion of controlio.	0.3				
7	Project Report including Documentation (for work during 10), semester and planning for sixth semester) (marks based on clarp in	-	a land			
MSBT	E - Final Copy Dr. 20.03.2019 Page 10 of 16	9				
Ca	pstone Project- Plausing	Cours	e Code: 2			
S.N	Description		Mark			
	presentation and organization; styles and language; quality of di drawings and graphs; accuracy of conclusion drawn; citing of references; saggestion for further research/project work)	agrams, of cross				
	references; suggestion for further research/project work) 8 Presentation (presentation skills including communication skills to be assessed by observing the quality of presentations and asking questions during presentation and viva/voce) Presentation should be based on work					

13.1 End-Semester-Examination (ESE) Assessment Criteria.

questions during presentation and viva/voce)

Defence (ability to defend the methods/materials used and technical

knowledge, and involvement of individual to be assessed by asking

Total

.

Criteria of Marks for PA for Capstone Project -Execution and Report Writing.

S. No.	Criteria	Marks
1	Project Proposal /Identification	14
2	Punctuality and overall contribution	10
3	Project Diary	
4	Execution of Plan during sixth semester	20
5	Project Report including documentation	15
6	Presentation	05
-	Total	50

Figure 2.2.4.1 Evaluation sheet for fifth and sixth semester

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

Institute Marks

5.00

Assessment starts with delivering seminar on the topic in front of external and internal examiners which should be followed by question answer session to know the contribution made by each student.

Criteria of Marks for ESE for Capstone Project -Execution and Report Writing

S. No.	Criteria	Marks
1	Project Proposal	
2	Punctuality and overall contribution	05
3	Project diary	
4	Execution of Plan during sixth semester	10
5	Project Report including documentation	10
6	Presentation	10
7	Question and Answer	15
	Total	50

E. Quality of deliverable, working prototypes (12)

.....

12.00

Print

To maintain the quality of project report following framework is adopted for report writing.

- 1.Acknowledgement
- 2. Abstract
- 3. Introduction of project
- 4.Literature survey
- 5.Scope of the project
- 6. Methodology
- 7. Details of design, working and processes.
- 8. Results and application
- 9. Conclusions and future scope
- 10. References and Bibliography

Working of prototype is demonstrated to guide at the end of the sessions, head of the department and Hon. Principal Encourage students for demonstration. During external end semester exam students are assessed by external examiner based on demonstration of prototype and oral examination



Figure 2.2.4.2: Image of sample projects

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

Institute Marks

Sr. No.	Papers published /Awards/ Recognition received by projects	Name of the Event	
1	Selection of project "design and fabrication of electric bike" for national level project competition	Samarth group of institutions college of engineering, Belhe national level project competition	
	AMARTH RURAL EDUCATIONAL INSTITUTE SAMARTH GROUP OF INSTITUTIONS (DILLEGE OF ENGINEERING, BELLA) ATIONAL LEVEL PROJECT COMPETITION SCIENCE & TECHNOLOGY FOR RURAL DEVELOPMENT CERTIFICATE OF EXCELLENCE This is to Certify that ML/Ms. Atmaan Mujayar From has Participate in Paper Presentation/ Project Exhibit with Design and Fabrication of Electric B ilver. With Design and Fabrication of Electric B ilver. Prof. S. T. Dumbre Event Coordinator Prof. P.S. Gadekar Cohvener Prof. Dr. A. J. Principal	Anarth Rural Education	ATIONAL INSTITUTE FINSTITUTIONS DECT COMPETITION DECT COMPETITI
	AMARTH RURAL EDUCATIONAL INSTITUTE SAMARTH GROUP OF INSTITUTIONS COLLEGE OF ENGINEERING, BELLAG NATIONAL LEVEL PROJECT COMPETITION CECHCIC & TECHNOLOGY FOR RURAL DEVELOPMENT CECRTIFICATE OF EXCELLENCE This is to Certify that Mr/Mar: Adityo hate From RMD COE has Participate in Paper Presentation/ Project Exhibition with Design and Fabrication of Electric Bitter. Prof. S. T. Dumbre Event Co-ordinator Prof. P. S. Gadekar Converoor Prof. Dr. A. J. Prof. Dr. A. J. Prof. Dr. A. J. Prof. Dr. A. J. Prof. Dr. A. J.	An entitled An e	INSTITUTIONS RING, BELHE r competition RURAL DEVELOPMENT" EXCELLENCE has Participated security per Presonation/ Project Exhibition entitled c & ther. Presonation Project Exhibition entitled c & ther. Presonation Project Exhibition entitled c & ther.

2.2.5 Industry Interaction and Industry Internship/Training (30)

A. Industry supported Labs (2)

Institute Marks

2.00

Industry supported labs are lacking in the institute, Industrial expert persons from industry are invited to interact with students and faculty. Experts from industries are invited to conduct expert lectures for the students on the recent and forthcoming trends on emerging technologies. MSBTE also supports by arranging industrial training for faculty members. Industrial visits are arranged regularly for the students of mechanical engineering departments and faculty.

Students are also deputed to undergo industrial training (1 to 6 weeks) in different nearby industries. After fourth semester six weeks industrial training programme is compulsory to all students.

To further strengthen industry institute has signed Memorandum of Understanding (MOUs) with few industries.

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

Institute Marks

5.00

Expert persons from industry are invited to conduct expert lectures and workshops for the students on the recent and forthcoming trends on emerging technologies and also on the application of course relevant topic in industry.

Table 2.2.5.1: Expert lectures for Academic Year: 2022-23 (CAY)

Sr. No	Gap	Course/ Action Taken	Date, Month, Year	Resource person with designation	Mode	No. of Student present	Relevance to PO and PSO
1	Data visualisation	Expert Lecture	25/11/2022	Mr. M. S. Palwade (Power BI Developer, Omnepresent Technologies, Pune)	Offline	43	PO1,PO3,PO4,PSO1, PSO3
2	Electric Vehicle Technology	Expert Lecture	15/02/2023	Mr.Vimal Ojha Director, University Relations, DIY Guru, Pune	Offline	44	PO1,PO4, PSO3
3	Vehicle Maintenance	Expert Lecture	20/3/2023	Mr. Anil Jadhav Chintamani Motors Walhekarwadi,Pune	Offline	43	PO1,PO4,PO5 ,PSO2,PSO3
4	Interview Techniques & Soft Skills	Expert Lecture	12/11/2022	Mr. Anil Mahajan Project Head, Clean Max Solar Technology Pvt. Ltd., Pune	Offline	43	PO1,PO5,PO7 ,PSO3

5	Soft Skill Development	Expert Lecture	07/02/2023	Mr. Vipul Kunkar Team Gillette Guard	Offline	55	PO1,PO5,PO7 ,PSO3
6	Entrepreneurship Development	Expert Lecture	01/12/2022	Mr. P. H. Lakal (Managing Director, Softs LLP, Pune)	Offline	44	PO1,PO5,PO6,PO7,PSO3

Table 2.2.5.2: Expert lectures for Academic Year: 2021-22 (CAYm1)

Sr. No	Gap	Course/ Action Taken	Date, Month, Year	Resource person with designation	Mode	No. of Student present	Relevance to PO and PSO
1	Safety Management	Expert Lecture	09/03/2022	Mr. Rajendra Agawane (Executive Safety, Tata Motors Ltd. Pune)	Offline	69	PO1,PO2,PO4,PO5, ,PSO2
2	Industrial Automation	Expert Lecture	11/03/2022	Mr. Pradip Kshirsagar (Assistant Manager Assembly, Volkswagon India ltd., Pune)	Offline	58	PO1,PO2,PO4,PO5, ,PSO2

3	Personality Development	Expert Lecture	10/03/2022	Mr. Arvind Wadkar (Retd. Manager, Spaco Carburators Ltd., Pune)	Offline	69	PO1PO5,PO7 ,PSO3
4	Safety Management	Expert Lecture	09/03/2022	Mr. Sanjay Wagh (Sr. Manager Safety, Tata Motors Ltd. Pune)	Offline	69	PO1,PO2,PO4,PO5, ,PSO2
5	Safety Management	Expert Lecture	09/03/2022	Mr. Maruti Salvi (Sr. Manager Safety, Tata Motors Ltd. Pune	Offline	69	PO1,PO2,PO4,PO5, ,PSO2
6	Personality Development	Expert Lecture	26/03/2022	Ms. Nupur Jain (Vishwakarma Publications, Pune)	Offline	44	PO1PO5,PO7 ,PSO3

Table 2.2.5.3: Expert lectures for Academic Year: 2020-21 (CAYm2)

Sr. No	Gap	Course/ Action Taken	Date, Month, Year	Resource person with designation	Mode	No. of Student present	Relevance to PO and PSO

1	Steam Traps	Expert Lecture	15/05/2021	Mr. Swapnil Patil (Sales Manager, Forbes Marshall)	Online	80	PO1,PO3,PO4,PO5,PSO2

C. Industrial visits/tours for students (3)

Institute Marks

Industrial visits are organized for the students to interact with industry and its environment. Minimum three industrial visits are organized per year as per MSBTE curriculum.

Table 2.2.5.4: Industrial visits for Academic Year: 2022-23 (CAY)

Sr. No.	Name of Industry & Contact Details	Date of Conduction of activity	No. of Beneficiaries	Relevance to PO's & PEO's (only nos.)
1	India EV International Show 2022	15/11/2022	44	P01,P03,P04,P05, P07,PS01,PS02
2	Science Park, Pimpri Chinchwad	18/09/2022	58	PO1,PO3, PO4,PO5,,PO7 PSO2,PSO3
3	Auto Cluster, Chinchwad	13/02/2023	43	PO1,PO3, PO4,PO5,PO7 PSO1,PSO2,PSO3
4	Don Bosco Technical Institute, Chinchwad	23/03/2023	40	PO1,PO3, PO4,PO7 ,PSO2,PSO3
5	Sahayog Founders & Engineers, Bhosri MIDC	25/04/2023	41	PO1,PO3, PO4,PO5,PO7 ,PSO2,PSO3
6	Pavan Industries, Bhosri MIDC	25/04/2023	41	PO1,PO3, PO4,PO5,PO7 ,PSO2,PSO3

Table 2.2.5.5: Industrial visits for Academic Year: 2021-22(CAYm1)

Sr. No.	Name of Industry & Contact Details	Date of Conduction of activity	No. of Beneficiaries	Relevance to PO's & PEO's (only nos.)
1	Ace Automotive Solutions, Thergaon	25/03/2022 & 26/03/2022	69	PO1,PO3, PO4,PO5,PO7,PSO2,PSO3
2	Pune Alternate Fuel Exhibition, Sinchan Nagar Ground, Pune	05/04/2022	70	PO1,PO3, PO4,PO5,PO7,PSO1, PSO3
3	Don Bosco Technical Institute, Chinchwad	22/04/2022	72	PO1,PO3, PO4,PO5,PO7,PSO1, PSO3
4	Science Park, Pimpri Chinchwad	11/03/2022	44	P01,P03, P04,P05,,P07 PS02,PS03

5	Biason India Industries, Bhosri MIDC	22/04/2023	58	PO1,PO3, PO4,PO5,PO7,PSO1, PSO3

























Figure 2.2.5.1 : Sample images of industry visits

D. Industrial training/ internship (5)

.

1. Students have undergone summer internship training at various industries in Pimpari Chinchwad MIDC Pune and nearby industrial area.

2. From academic year 2020-21 100% second year students are deputed for six weeks industrial training as per I Scheme.

3. Details of student's undergone industrial training are mentioned below

Shri Jain Vidya Prasarak Mandal's Rasiklal M. Dhariwal Institute of Technology Manuachane Guru Fattechand Bhavan, Shri Fattechand Marg, Chinchwad, Pune - 411 033. Tel: 020-27353516 / 020-64106323 AICTE Approval No. : 740-89-009 (NDIP) / ET/ 2000 Web Site: www.rmdant.org Govt. Approval No. : PTI 202K / (479/01) TE - 2

Email 1D: midiot/argmail.com

Ref. RMDIOT/ ITR /2020 - 21/ 19 63 /1

Date: 10/06/2021

Format 3

Letter to the Industry/Organization for the training along with details of students and mentors:

To, The HR Manager, Biason India Industries Sector 7, Bhosri-411026

> Subject: Placement for Industrial training of 6 weeks in your organization Reference: Your consent letter no. MSBTE/S0/Industrial Training/2021/3060, Dated 28.05.2021

Sin/Madam,

With reference to the above we are honored to place the following students from this institute for Industrial training in your esteemed organization as per the arrangement arrived at.

Diploma Programme in Mechanical Engineering

Sr. No.	Enrolment no.	Name of Student	Faculty Mentor with Mobile No.	
1	1703630192	WAGHMARE MILIBHAM DILLIP		
2	1803630072	KATE ADITYA DADARAO		
3	1803630085	SHIRKE SHASHIKANT DHARMRAJ		
4	1903630001	DHANALAXMI C NADAR		
3	1903630002	CHAVAN ABRUSURE SANDEEP		
	1983630003	MUJAWAR AMAAN NAZIR		
. 1	1955630004	GOSAVESOMNATH KAILAS	Mr. A. A. LAIN	
1	190,5630009	MINHRA ADDISHER RAMINUSHAN	(9561255101)	
9	1983930006	KHILART RISHIKESH KRUSHNA		
10	1903630007	KALE SUNIL DATTATRAY		
11	1905630009	SRINDE SANKET RAJABILAU		
13	1903630010	TAMBE OMKAR NAVANATH		
-11	1905650011	JOSHEVARAD SANDEEP		
34	1903630012	CRAWAN PARTH AMEET		
15	1002630013	KARJULE PRATAP PRAKASH		
10	1003430014	CHAUDHARI MILESH PANDIT		
17	1923630013	KHOT BIRAHIM SAFED	100000000000000000000000000000000000000	
18	1903630816	KOMBHAR ROHAN SHRIKANT	Mr, M.M.Momin (9404043331)	
19	1903630917	AYAN SHAIKH	(2404043331)	
20	1903630018	PATIC AKSHAY VIJAY		



25/11/2023, 11:19



Ref. RMDIOT/ ITR /2020 - 21/ 19 69 - A

Format 3

Letter to the Industry/Organization for the training along with details of students and mentors:

To, The HR Manager, Pavan Industries Sector 7, Bhoari-411026

> Subject: Placement for Industrial training of 6 weeks in your organization Reference: Your consent letter no. MSBTE/50/Industrial Training/2021/3060, Dated 28,05:2021

Sin'Madam,

With reference to the above we are honored to place the following students from this institute for Industrial training in your esteemed organization as per the arrangement arrived at.

Diploma Programme in Mechanical Engineering

80.	Eurolment no.	Name of Student	Faculty Mentor with Mobile No.	
DAUGHT -	1903630634	SCHAVANE SIDDHANT NITEIN		
	1903630625	KATKAR PLEINPAE PARSITIKAM	Mr. M.M.Momin	
-	19036300006	PART ABRIEREN MALKAPPA		
-	19034630627	NIHRALKAR SUJAYRAJE RIAHESH	(9404043331)	
	1903530028	BEIKAR DHBUIY RAVINDRA	A State of the second s	
	1903436429	PETKAR MAYLIK BALKRUSHNA		
	1903630830	DHARDIKAR RUTVIK RABINDRA.		
	1903630071	SHAIKH IRFAN YUSUF		
	1913530513	RAUTATUL DATTATRAY		
1	2963630034	MANJARE MIANKAR ASHOR		
	1903630035	BUARADE SWAPNIL THIVAIL	Mr. V.F. BANKAB	
	1113630037	FAHAD ABOULHAFEE2 SISAIKH	(9401400773)	
	0983630045	KULEARNI BALASAHED LAXMAN	(revenue)	
	190363636941	AHER VARAD-UNESH		
	1903630042	RATINOD VISHAL SAHERRAV		
	1983636045	FARIR QUANIS ABOULKADR		
-	1903530046	SDEANKE OMKAR REDARNATH		
	3003630134	BEIAKE AMAAN AYUR	and the second se	
	3005630033	CHAMALE DRAMMAPAL SHIVAR		
1	20036NI126	SHAREN HASAN MOULA		
-	2003630127	CAMBLE PARSIEWANATH MORAN		
-	2003620128	JADIEAV BORHAN RAMAKANT		
-	2003630129	HUNDERAR VAIBHAV MABOTI	MILS.B. Survase	
	2003630130	SURVE AKASH SANTOSH	(8008838054)	
-	2003630131	JADHAV MALHARI APPASO		



Enumat 3

Letter to the Industry/Organization for the training along with details of students and mentors:

Tik The HR Manager, SHREE OM FAB TECHNO SERVICES LLP, Urac, Muval, Pune- 410506.

> Subject: Placement for Industrial training of 6 weeks in your organization Reference: Your consent letter no. MSBTE/50/Industrial Training/2021/3660, Dated 28.05.2021

Sir Madam.

With reference to the above we are honored to place the following students from this institute for Industrial training in your esteemed organization as per the arrangement arrived at.

Diploma Programme in Mechanical Engineering

5r. nu,	Enrolment no.	Name of Student	Faculty Mentor with Mobile No.	
-	2010630112	PATROLALAR AKSHAY ABUSAANYU		
1	1001630113	PRODUKAR SURAJ KARAS		
	3063630114	SANGALE LAXMAN BRAILAND		
ł	2019130133	MAIK ANKUSH SATISH		
ŧ.	300342001.00	PATTE TURNAR AND	HERE	
6	300630137	FANGAM SHARADDHA RAMEDIG	ORGEREZEDE D	
1	2003630138	PACITAP PRANALI ARILIN	(8008838054)	
1	3083636129	NALAWADE NUPLOFT NAMDEV		
-	2003630148	BIALVI AVINASH SIAHADDO		
18	2903630141	RATHED SALTIDE PANDERAND		
Ú)	3005530142	WINDS SAGAR LAXMAN		
LI .	2003630143	NATEALE BACHDE SHERANT		
13	1007676144	KOMADE SAURABH LAXMAN		
9	20034.10142	PATIL ARVIND RAVALU		
5	30335351 88	EBARATAMAL RUSHIKESIT DENATH		
ń.	2005630147	REDDY SANJAY KAVIRASU		
ţ.	2003630148	DESHMORE REFERED AD AD AD AD AD		
1	2003638148	KAMINE VINITA MANOR LIMAN	Mr.Palwade M.S.	
9.	1702031348	MANJREKAR ANIKET ARVING	(9834547320)	
i (),	1803636062	LAWARD INDRA/EET JAYN ANT		
£	1903630079	KOLAMBE-GHANSHYAM KAMLAKAR		
£ (1803630110	MANDALE SAGAR KRANDO		
Ê.	1903636189	JADHAV SURAJ EKNATH		
6	1063636192	VAIKAB RAIRIE PURUMRUTTAM	the second se	
0	1985638526	MICHITE SWAPPER MARANAND		


Format 3

Letter to the Industry/Organization for the training along with details of students and mentors:

Tn, The HR Manager, Biason India Industries Sector 7, Bhosri-411026

> Subject: Placement for Industrial training of 6 weeks in your organization Reference: Your consent letter no. SIVPM/RMD(OT/In-Plant/2021-22/2003 Dated 04/03/2022.

Sir/Madam,

With reference to the above we are honored to place the following students from this institute for Industrial training in your esteemed organization as per the arrangement arrived at.

Diploma Programme in Mechanical Engineering

Sr. No.	Enrolment no.	Name of Student	Faculty Mentor with Mobile N		
-	2003630091	DEROSALE ABBURET ASHOK			
-	2003030002	THORAT PLATHMESH PRAVIN			
	2003630896	LANDGE ADITYA RAJENDILA			
	200363600	DISADGE ABHISHER SATISH			
	DIEBEBER	MANDAVEAR SAHIL SANJU			
1	Rotatated	PALMADE DHAMRAJ RAJENDRA			
-	2007670100	GAWALI AKASH PEABHAKAR	Mr. a A JAIN		
	2005630114	CHAVAN BANDU BALU	(9561255101)		
	29036301113	KAMBLE ROUT MARSH	(300(2000))		
÷.	200363639	VYAVAHARE KAILAS RAMESH			
n la	D003830130	SHAIKH ABID MUSTAK			
a	2923638321	PALIKAR ADIRAJ KRISHNA			
1	2063630122	SHENDE DEEPAK HANUMANT			
14.1	gnetatorza	WAECHAURE GAURAY ARRON			
1C	2103636141	CHERATE KRUSHNAT TANAN			
001	2103030141	SHINDE CARE AR MAHENDRA			
1	2101630142	DEBUBLER AKASH GAJANAN	Mr M M MOMIN		
18	2100030141	MORE RIRAN NARAYAN	(9404043331)		
18	2105630144	AWATI PARSHAV BABASO	(330100223)		
1	ZION/HT41	SHAIKH SALMAN AMAN			

Eindly do the needful and oblige.





Enrmal 3

Letter to the Industry Organization for the training along with details of students and mentors:

TB. The HR Manager, SHREE OM FAB TECHNO SERVICES LLP, Uray, Maval, Pane-410506.

> Subject: Placement for Industrial training of 6 weeks in your organization Reference: Your consent letter no. SJVPM/RMDIOT/In-Plant/2021-22/2003 dated 04/03/2022.

Sir/Madam,

With reference to the above we are honored to place the following students from this institute for industrial training in your esteemed organization as per the arrangement arrived at.

Diploma Programme in Mechanical Engineering

Sr.	Enrolment no.	Name of Student	Faculty Mentor with Mobile No.
	2103630147	JADHAV SUSHANT SUNIL	
21	2103630148	VISHWAKARMA RAHUL AKHILESH	
100	2103630149	WAGHMARE MAHADEV SHIVAJI	
4	21(8630150	KAUCHALE PRIYANKA GAHININATH	
	2103630151	PISAL AADITI SHANTARAM	0
the second	2103630152	BANSODE PRASHANT BALASAHEB	
F.	2103630153	SONAR LALIT NARESH	
1	2103630154	SARAF GAURAV PRAMOD	
y	2103630155	MASKE PRANAV MADHUKAR	
10	2103630156	KAMBLE FAKIRA GOVIND	
11	2103630157	DUBAL PRATIK SANJAY	MRS. S.G. VARPE. (0511610743)
12	210363015#	JADHAV AJAY GOPICHAND	(\$7(19(3:143)
13	2103630159	MORE SHIVAM VISHNUDAS	
14	2103630160	PATIL ROHIT HARI	
15	2003630102	MORE RAHUL SATISH	
10	2003630103	PAL AZAD RAMLAKHAN	
7.	2003630104	GAWADE RUSHIKESH MAHADEV	Mr.M.M. MOMIN
	2003630112	MANDHARE DHANASHREE KRUSHNA	(9404043331)
		the second se	

Kindly do the needful and oblige. Thanking you,

Rasikial M. Dhariwal Institute of Technology



1.00000000

Format 3

Letter to the Industry/Organization for the training along with details of students and mentors:

To, The HR Manager, Pason Industries Sector 7, Bhusri-411026

> Subject: Placement for Industrial training of 6 weeks in your organization Reference: Your consent letter no. SJVPM/RMDIOT/In-Plant/2021-22/2003 dated 04/03/2022

Sir/Madam,

With reference to the above we are honored to place the following students from this institute for industrial training in your esteemed organization as per the arrangement arrived at.

Diploma Programme in Mechanical Engineering

Sr.	Enrolment no.	Name of Student	Faculty Mentor with Mobile No.
	2103630161	BABANAGAR GANESH MALLESH	
-	2103630162	JADHAV PRITHVIRAJ SANJAY	
	2103630163	JADHAV SUNIL BABURAO	
	2103630164	PATIL PRATAP MARIJTI	
5	2103630165	SHELAR RAHUL GAUTAM	
	2103630166	PATHAK SHRIPAD DIGAMBAR	
1	2103630167	MHETRI SANDIP SAVANTA	Mr. M.A. SAWARDEKAR
-	2103630168	KIRME AKSHAY SUNIL	(9403800223)
	2103630169	KALDANTE PRATIK SUNIL	
10	2103630170	DHOLE NAGANATH BHAGAWAN	
11	2103630171	PATIL SACHIN BHAGAWAN	
12	2103630172	SHINDE ANIKET NIVRUTTI	
13	2103630173	PATIL KRISHNA ANAND	
14	2103630174	HANDAL GANESH BABASAHEB	
13	1503630147	GADIWAN LAXMAN LAHANU	
16	2103630146	ZENDE AARYA KRANTIKUMAR	
17	2003630107	LONDHE ROHAN BRAMHADEV	Mr.M.M. MONIN
18	2003630108	SINDAGI AMIR JAKIR	(9404043331)
19	2003630113	SHAIKH JUNAED AYUB	
20	2003630116	POPALGHAT VIVEK UTTAM	





Larrer in the Industry Organization for the training along with details of students and montors:

The HIL Manager, Chinetanani Motors Waltekarwaii Raad, Chinebwad - 33

Subject, Discussion for Industrial training of 6 works in your organization Reference, Your connent leave no. STVPM/RMD10172021-22/2003 dated 04/03/2000

SieMailars.

With reference to the above we are bonored to place the following students from this institute for Industrial mining in your externate representation as per the arrangement serviced at.

Diptoms Program in AUTOMOBILE ENGINEERING

Sr.mn.	Encolment no.	Name of Student	Faculty Mentor with Mobile No
1	1503630018	GAIKWAD SHAMBHU TRIMBAK	
-2	1583630021	SHAIKH ADIL NIJAM	
2	1803630037	MAYUR DIPALI DATTATRAY	
4	2003630001	GAIKWAD KAVERI KRUSHNA	
3	2003630003	KHANDAGALE DEEP VIKRAM	
-	2003630004	SHASHANK SHIVAJI DAPHAL	
12	2003630005	ATHARVA R. NALAWADE	
8	2003630006	DHAWARE RAHUL SATISH	
/9	-2003630007	DABHADE RONIT RAJU	
18	2003630012	BODKE AVISHKAJI BHARAT	
11	2003630014	DHANOKAR LOKESH SUDHIR	MRC KHARCHANE S. V.
12	2003630015	KHAWARE OMKAR GANESH	Mobile No 7447246760
- 11	2103630139	SUKALE AJAY DIPAK	

Diploma Program in MECHANICAL ENGINEERING

Sr.no.	Enrolment no. Name of Studen		Faculty Mentor with Mobile No.
1	2003630087	SASANE MANOJ SUNIL	
2	2003630100	SHAIKH ALTMASH PAPA	
3	2003630109	SOLAPURKAR ASMIT MANVEL	MR, S.B. SURVASE
- 4	0003630110	SOLAPURKAR AMIT MANVEL	(9422494574)
5	2003630111	PATIL SUDESH NARASU	
16	2003630117	BARMASE BHAVESH MANOJ	the second s
6 Kindly d	the needful and	oblige,	
diniki bi	e you,	M. Os	Yours sincerely

Principal Rasiklat M. Dhariwal Institute of Technology Chinchwad



Kindly do the needful and oblige. Thanking you,



Yourspectrally Principal 35 Feed 02)

Rasiklat M. DRRINGIPAL of Technology Rasiklat M. Dhariwal Institute of Technology Chinchwad, Pune-411 033.



Eormat 3

Letter to the Industry/Organization for the training along with details of students and mentors:

Ta. The HR Manager, SHREE OM FAB TECHNO SERVICES LLP, Urse, Maval, Pune- 410506.

> Subject: Placement for Industrial training of 6 weeks in your organization Reference: Your consent letter no. RMDIOT/ITR/2022-23/2054(A) Dated 13/04/2023.

Sir/Madam,

With reference to the above we are honored to place the following students from this institute for Industrial training in your esteemed organization as per the arrangement arrived at.

Diploma Programme in Mechanical Engineering

Sr.	Enrolment no.	Name of Student	Faculty Mentor with Mobile No.
1	2103630066	RAJE ANIL MUNJAJI	
2	2103630067	VALANDE ANIKET RAJKUMAR	
1	2103630068	MAROOF ALI INAMDAR	
4	2103630069	PATIE JIVAN BANDU	and the second se
5	2103630071	PILLAI VISHNU SOMAN	
6	2203630309	MANE TANAJI TUKARAM	
7	2203630310	WARANKAR SHUBHAM SANJAY	
8	2203630314	CHAVAN AKSHAY VASANT	
9	2203630316	KACHGUNDE RUSHIKESH TUKARAM	
10	2203630318	PUJARI KISAN TUKARAM	MR. D.T. PAWAR
13	2203630320	DHAWALE VISHAL RAJARAM	(9763627563)
12	2203630321	KADAM PRASHANT MILIND	
13	0203630723	DONGRE RUBIN RAHUL	
14	0203630124	CHAUDHARI VAIBHAV GOKUL	
15	2103630022	CHAKOTE SACHIN MAHADEV	

Kindly do the needful and oblige. Thanking you, Ching the Dischart of Ching the Public of Texture Public of Texture Desided in Dischart of Texture

PrincBRINCIPAL Rasilitat M. Dharwal Institute of Technology Rasilitat M. Dharwal Institute of Technology

and a	Guru Fat	Ichand Bhavan, Shri Fattechand Tel: 020-27353516 / 020-6	titute of Technology Marshell Marg, Chinchwad, Pune - 411 033. 4106323
a iD: m	diot a gmail.con	AICTE Appro Govt. Approv	val No. : 740-89-009 (NDIP) / ET/ 200 al No. : PTI 202K / (479/01) TE - 2
L RMDIO	T/ ITR /2022 - 23	2071	Date: 28/04/2023
		Format 3	
Letter to t	he Industry/Organ	ization for the training along with detail	s of students and mentors:
sector 7, t	abject: Placement	for Industrial training of 6 weeks in your or	pinization
Sir'Madam With refer esteemed Diploma I Sr. No.	Reference: Your con ence to the above w organization as per to programme in Mech Enrolment no.	e are honored to place the following student he arrangement arrived at. anical Engineering. Name of Student	(A) Dated 13/04/2023. Is from this institute for Industrial training in you Faculty Mentor with Mobile No.
Sir/Madam With refer esteened Diploma I Sr. No.	Reference: Your construction of the above worganization as per the organization as per the frequencies of the second seco	e are honored to place the following student he arrangement arrived at. anical Engineering. Name of Student Name MAXMUAN BRAMUANAND	(A) Dated 13/04/2023. Is from this institute for Industrial training in you Faculty Mentor with Mobile No.
Sir Madam With refer esteened 0 Diploma 1 Sr. No. 1	Reference: Your co process to the above w organization as per t Programme in Mech Enrolment no. 180360087 2203630311	e are honored to place the following student he arrangement arrived at. anical Engineering Name of Student SHATAGAR BASAMMA BRAMIANAND NIKAM PRODA SUGRIV	(A) Dated 13/04/2023. Is from this institute for Industrial training in you Faculty Mentor with Mobile No.
Sir/Madam With refer esteemed Diploma I Sr. No. 1 2	Reference: Your conservation of the above worganization as per 1 programme in Mech Enrolment no. 180360087 2203630311 2203630313	e are honored to place the following studen he arrangement arrived at. anical Engineering Name of Student SHATAGAR BASAMMA BRAMIANAD NIRAM POOLA SUGRIV MALUSARE REENA SAMBIAN	(A) Dated 13/04/2023. Is from this institute for Industrial training in you Faculty Mentor with Mobile No.
Sir Madam With refer esteemed Diploma I Sr. No. 1 2 3	Reference: Your co- organization as per 1 programme in Mech Enrolment no. 180363097 2203630311 2203630315 2203630317	e are honored to place the following studen he arrangement arrived at. anical Engineering Name of Student SHATAGAR BASAMMA BRAMIANAND NIKAM POOLA SUGRIV MALUSARE REENA SAMBHAN	(A) Dated 13/04/2023. Its from this institute for Industrial training in you Faculty Mentor with Mobile No.
Sir Madam With refer esteemed Diploma I Sr. No. 1 2 3 4	Reference: Your con- ence to the above w programization as per 1 Programme in Mech Earolment no. 1803630087 2203636311 2203636311 2203630315 2203630317 2203630317	e are honored to place the following studen he arrangement arrived at. anical Engineering Name of Student NIKAM POOLA SUGRIY MALUSARE REENA SAMBHAR DIMALEI BHAGYASHET SHREMAL WAGHEARE SUBATA SURESH	(A) Dated 13/04/2023. Is from this institute for Industrial training in you Faculty Mentor with Mobile No.
l Sir Madam With refer esteemed Diploma I Sr. No. 1 2 3 4 5	Reference: Your con- ence to the above w organization as per t- trogramme in Mech Enrolment no. 1803630087 2203630311 2203630315 2203630315 2203630317 2203630322 2203630325	e are honored to place the following student he arrangement arrived at. anical Engineering Name of Student NHATAGAR BASAMMA BRAMHANAND NIKAM POOLA SUGRY MALUSARE REENA SAMBHAR MILUSARE REENA SAMBHAR MILUSARE REENA SAMBHAR MALUSARE REENA SAMBHAR MALUSARE AUDATA SURESH PATANE ANJALI BASAVRAJ	(A) Dated 13/04/2023. Is from this institute for Industrial training in you Faculty Mentor with Mobile No. Mr. A. A.JAIN (9561255101)
I Sir Madam With refer esteened Diploma I Sr. No. I 2 3 4 5 6	Reference: Your con- ence to the above w organization as per t- trogramme in Mech Enrolment no. 1803600007 2203630311 2203630311 2203630317 2203630317 2203630322 2203630325 2103630047	e are honered to place the following student he arrangement arrived at. anical Engineering Name of Student NHATAGAR BASAMMA BRAMHANAND NIRAM POOLA SUGRIV MALUSARE REENA SAMBHAR MIMALLI BHAGYASHEI SHRIMAR MIMALLI BHAGYASHEI SHRIMAR PATANE ANIALI BASAVRAJ BHANDARE MAYAWATI DADARAO	(A) Dated 13/04/2023. Is from this institute for Industrial training in you Faculty Mentor with Mobile No. Mr. A.A.JAIN (9561255101)
I Sir Madam With refer esteemed Diploma I Sr. No. 1 2 3 4 5 6 7 8	Reference: Your con- enset to the above we organization as per 1 Programme in Mech Enrolment no. 1803600007 2203630011 2203630017 2203630017 2203630017 2203630017 2203630025 2103630047 2103630025	e are honored to place the following student he arrangement arrived at. anical Engineering Name of Student NHATAGAR BASAMMA BRAMMAND NIRAM POOLA SUGRIV MALUSABE REENA SAMBHAR MILISABE REENA SAMBHAR MILISABE REENA SAMBHAR MILISABE ALENA SUGRIM MALUSABE MAYAWATI DADARAO BHANDARE MAYAWATI DADARAO BEBALE PRATIK DATTATRAY	(A) Dated 13/04/2023. Is from this institute for Industrial training in you Faculty Mentor with Mobile No. Mr. A.A.JAIN (9561255101)
I Sie Madam With refer esteemed Diploma I Sr. No. I Sr. No. I 3 4 5 6 7 8 9	Reference: Your con- enset to the above we organization as per 1 Programme in Mech Enrolment no. 180360087 2203630317 2203630317 2203630317 2203630322 2203630325 2103630025 2103630025	e are honored to place the following student he arrangement arrived at. anical Engineering Name of Student NHATAGAR BASAMMA BRAMHANAD NIRAM POOLA SUGRIV MALLISARE REENA SAMBHAN MALLISARE REENA SAMBHAN MALE PRATIK DATATRAY BEBALE PRATIK DATIATRAY BHISE OMKAR KAILAS	(A) Dated 13/04/2023. Is from this institute for Industrial training in you Faculty Mentor with Mobile No. Mr. A. A.JAIN (9561255101)

https://enba.nbaind.org/SARTemplates/eSARDiplomaPrint.aspx?Appid=8309&Progid=59#

BORAADE KUNAL KANTILAL

UBALE KAVIRAJ LAXMAN

SSAKIPANDIAN M

KHANDAGALE RUTIK MADHUKAR

KHANDAGALE RÖHLT MADER/KAR

2103430028

2103630029

2103630031

2103630032

2103536034

32

13

-14

B

Figure 2.2.5.2: Sample images of format 3 for industrial training

E. Post training/ internship Assessment (10)

Institute Marks

10.00

1. Industrial training done after completion of fourth semester summer exam. Prior to its students are informed about the training and the asked to submit report after the completion. This is evaluated on the predefined criteria of MSBTE.

2. From academic year 2018-19 these internship s are assessed and have a weightage of

150 marks in term end exam of 5th semester.

3.after completion of training Students prepare training report containing organizational structure, type of product, major equipment / machines, manufacturing process used, material handling equipments, and safety procedures.

4. The student is assessed by mentor faculty during each week of training.

5. Students are also assessed by industry supervisors and external examiner during term end exam.

6. There are two formats first one is format 4 and format 5 for assessment of students.

Format 4

Evaluation Sheet for PA of Industrial Training

Academic year: - 20 - 20

Name of the industry:

Sr. No	Enrollment Number	Name of student	Marks (5 marks for each week) by Mentor & Industry Supervisor jointly	PA Marks by Industry Supervis or	PA Marks by mentor faculty	Total Marks
			Out of 30 (A)	Out of 25 (B)	Out of 20 (C)	Out of 75 (A)+(B)+(C)
				(1)	20(0)	(3/-(9)-(

- A) Marks for PA are to be awarded out of 5 for each week considering the level of completeness of activity observed, from the daily diary maintained.
- B) Marks are to be awarded by Industry Supervisor on the basis of General Observation and behavioral aspects of student.
- C) Marks are to be awarded by Mentor faculty on the basis of report, understanding level and work performance of the student.

Signature-

Signature-

Name and designation of the Mentor/faculty Name and designation of the Industry Supervisor

	Format 5		
Evaluation Sheet for ESE	of Industrial Training	by Mentor and In	dustry Personne
Name of Student:	Еп	rollment No.	
Name of Programme:		Semester:	
Course Title :- Industrial T	raining	Code:	
Name of Industry:			
ourse Outcomes Achieved			
			•••••
Industrial Testates	Descentedion	3/200	
Industrial Training Report (25 Marks)	Presentation (25 Marks)	Viva (25 Marks)	Total Marks (75 Marks)
Industrial Training Report (25 Marks)	Presentation (25 Marks)	Viva (25 Marks)	Total Marks (75 Marks)
Industrial Training Report (25 Marks)	Presentation (25 Marks)	Viva (25 Marks)	Total Marks (75 Marks)
Industrial Training Report (25 Marks)	Presentation (25 Marks)	Viva (25 Marks)	Total Marks (75 Marks)
Industrial Training Report (25 Marks)	Presentation (25 Marks) It team work/leadershi	Viva (25 Marks)	Total Marks (75 Marks)
Industrial Training Report (25 Marks)	Presentation (25 Marks) at team work/leadershi	Viva (25 Marks)	Total Marks (75 Marks)
Industrial Training Report (25 Marks)	Presentation (25 Marks) It team work/leadershi	Viva (25 Marks) ip/inter-personal co	Total Marks (75 Marks)
Industrial Training Report (25 Marks)	Presentation (25 Marks) It team work/leadershi	Viva (25 Marks)	Total Marks (75 Marks) mmunication
Industrial Training Report (25 Marks)	Presentation (25 Marks) It team work/leadersh	Viva (25 Marks) ip/inter-personal co	Total Marks (75 Marks)
Industrial Training Report (25 Marks)	Presentation (25 Marks) It team work/leadersh	Viva (25 Marks)	Total Marks (75 Marks)
Industrial Training Report (25 Marks)	Presentation (25 Marks) It team work/leadersh	Viva (25 Marks)	Total Marks (75 Marks)
Industrial Training Report (25 Marks)	Presentation (25 Marks) It team work/leadershi	Viva (25 Marks)	Total Marks (75 Marks)
Industrial Training Report (25 Marks)	Presentation (25 Marks) at team work/leadersh	Viva (25 Marks)	Total Marks (75 Marks)
Industrial Training Report (25 Marks) Comments/Suggestions about if any) Signature-	Presentation (25 Marks) It team work/leadersh	Viva (25 Marks) ip/inter-personal co Signature- Name of Exte	Total Marks (75 Marks)

Figure 2.2.5.3: Sample images of format 4 and format 5 for industrial training

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

Institute Marks

Almost all final year capstone projects are application based and some are takes contribution to community related issues	
1. Wind Turbine	
2. Solar Powered Lawn Moving Robotic Vehicle	
3. Smart Street Light System	
4. Fertilizer Spreading Machine	
5. Multipurpose Agriculture Machine	
6. Development of Gas Level Indicator Stand For LPG Cylinder	
7. Cylinder Picker	
8. Electric Bike	
2.2.6 Information Access Facilities and Student Centric Learning Initiatives (15)	Institute Marks
	15.00
A. Availability of facilities & Effective Utilization; specify the facilities, materials and scope for self-learning, Webinars, NPTEL Podcast, MOOCs etc (10)	Institute Marks
	10.00

1. Students are encouraged from staff to use SWAYAM, ATAL, INFOSYS SPRINGBOARD, SPOKEN TUTORIAL portal for self - learning.

2. Students are encouraged to gain extra knowledge beyond the curriculum by using different educational websites.

3. Power point presentations, E-Books and course related videos are shared with students to increase effectiveness in learning.



IIIIIIIIICOURSE COMPLETION CERTIFICATE

The certificate is awarded to

Ali Shaikh

for successfully completing the course

Basics of Business Communication

on Monday, April 3rd 2023



Issued on: Monday, April 3rd 2023 This certificate can be verified by scanning the QR code at https://verify.onwingspan.com

Infosys Springboard

Congratulations! You make us proud!

Thirumala Arohi Senior Vice President and Head Education, Training and Assessment (ETA) Infosys Limited



The certificate is awarded to

Ajay Mekeri

for successfully completing the course

Basics of Business Communication



Issued on: Monday, April 3rd 2023 This certificate can be verified by scanning the QR code at https://verify.onwingspan.com

on Monday, April 3rd 2023

Infosys Springboard

Congratulations! You make us proud!

Thirumala Arohi Senior Vice President and Head Education, Training and Assessment (ETA) Infosys Limited Print

https://enba.nbaind.org/SARTemplates/eSARDiplomaPrint.aspx?Appid=8309&Progid=59#



Figure 2.2.6.1 : Sample images of course completion certificates

8. Students are encouraged to register for certification courses conducted by various private or government institutes.	
2.2.7 New Initiatives for embedding Professional Skills (15)	Institute Marks
	15.00
	13.00
A. Employability skill enhancement Initiatives and effective implementation (8)	Institute Marks
	8.00

1. These programs are regularly conducted in each Department.

2. MoUs signed with industries to provide academic man power.

3. Expert Lecture on Entrepreneurship Development is conducted by Mr. P. H. Lakal (Managing Director, Softs LLP, Pune)

Table 2.2.7.1: Expert lectures for employability skill enhancement

Sr. No.	Gap	Action taken	Date	Resource Person with designation	Mode	No. of students present	Relevance to Pos &PSOs
1	Entrepreneurship Development	Expert Lecture	01/12/2022	Mr. P. H. Lakal (Managing Director, Softs LLP, Pune)	offline	44	PO1,PO5, PO6,PO7,PSO3
2	Soft Skill Development	Expert Lecture	07/02/2023	Mr. Vipul Kunkar Team Gillette Guard	offline	55	PO1PO5,PO7 ,PSO3



Figure 2.2.7.1: Expert lecture on Entrepreneurship Development by Mr. Pramod Lakal



Figure 2.2.7.2: Expert lecture on soft skill development by Mr. Vipul Kunkar

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

Institute Marks

7.00

Table 2.2.7.2: Programmes for Personality development related Initiatives

Sr. No.	Gap	Action taken	Date	Resource Person with designation	Mode	No. of students present	Relevance to Pos &PSOs
1	Interview Techniques & Soft Skills	Expert Lecture	12/11/2022	Mr. Anil Mahajan (Project Head, Clean Max Solar Technology Pvt. Ltd., Pune)	offline	43	PO1PO5,PO7,PSO3
2	Soft Skill Development	Expert Lecture	07/02/2023	Mr. Vipul Kunkar Team Gillette Guard	offline	55	PO1PO5,PO7,PSO3
3	Personality Development	Expert	10/03/2022	Mr. Arvind Wadkar (Retd. Manager, Spaco Carburators Ltd., Pune)	offline	69	PO1PO5,PO7,PSO3
4	Personality Development	Lecture	26/03/2022	Ms. Nupur Jain (Vishwakarma Publications, Pune)	offline	44	PO1PO5,PO7,PSO3



Figure 2.2.7.3: Expert lecture on Interview Techniques & Soft Skills by Mr. Mr. Anil Mahajan



Figure 2.2.7.4: Expert lecture on personality development by Ms. Nupur Jain

Google

Print

GPS Map Camera

Pimpri-Chinchwad, Maharashtra, India

Chinchwad Gaon, near old octir naka, Walhekar Wadi Road, JQJG+XX3, Pawana Nagar Housing Society, Chinchwad, Pimpri-Chinchwad, Maharashtra 411033, India Lat 18.632434° Long 73.777425°

07/02/23 11:56 AM GMT +05:30



Figure 2.2.7.5: Expert lecture on soft skill development by Mr. Vipul Kunkar

2.2.8 Co-curricular & Extra Curricular Activities (10)

Institute Marks

10.00

Table 2.2.8.1: Details of co-curricular activities for academic year 2022-23 (CAY)

Sr. No.	Type of Activity & Details (Paper Presentation / Project / Quiz etc.)	Date	Name of Participating Student/s	Organizing Body & Organizing Institute	Awards (Winner / Participation)	Level (State / National etc.)	Relevance with PEO's PO's & CO with Course Code (Only nos.)
01	Paper Presentation	21/02/2023	Sasane Manoj Sunil	RMDIOT, Chinchwad	Participation	State	PO1,PO2,PO5, PO6,PO7,PSO1
02	Paper Presentation	21/02/2023	Patil Krishna Anand	RMDIOT, Chinchwad	Participation	State	PO1,PO2,PO5, PO6,PO7,PSO1
03	Paper Presentation	21/02/2023	Barmase Bhavesh Manoj	RMDIOT, Chinchwad	Participation	State	PO1,PO2,PO5, PO6,PO7,PSO1
04	Paper Presentation	21/02/2023	Shaikh Junaed Ayub	RMDIOT, Chinchwad	Participation	State	PO1,PO2,PO5, PO6,PO7,PSO1
05	Paper Presentation	21/02/2023	Gawade Rushikesh Mahadev	RMDIOT, Chinchwad	Participation	State	PO1,PO2,PO5, PO6,PO7,PSO1
06	Paper Presentation	21/02/2023	Mandhare Dhanashree Krushna	RMDIOT, Chinchwad	Participation	State	PO1,PO2,PO5, PO6,PO7,PSO1
07	Paper Presentation	21/02/2023	Awati Parshav Babaso	RMDIOT, Chinchwad	Participation	State	PO1,PO2,PO5, PO6,PO7,PSO1
08	Paper Presentation	21/02/2023	Shaikh Salman Aman	RMDIOT, Chinchwad	Participation	State	PO1,PO2,PO5, PO6,PO7,PSO1
10	Project Competition	21/02/2023	Palse Omkar Madhukar	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO3, PO4,PO5, PO6,PO7,PSO1,PSO2,PSO3
11	Project Competition	21/02/2023	Pillai Vishnu Soman	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO3, PO4,PO5, PO6,PO7,PSO1,PSO2,PSO3
12	Project Competition	21/02/2023	Varma Tejas Vijay	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO3, PO4,PO5, PO6,PO7,PSO1,PSO2,PSO3
13	Project Competition	21/02/2023	Jamdade Shreenath Manoj	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO3, PO4,PO5, PO6,PO7,PSO1,PSO2,PSO3
15	Project Competition	21/02/2023	Bhandare Mayawati Dadarao	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO3, PO4,PO5, PO6,PO7,PSO1,PSO2,PSO3
16	Project Competition	21/02/2023	Patane Anjali Basavraj	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO3, PO4,PO5, PO6,PO7,PSO1,PSO2,PSO3

17	Project Competition	31/03/2023	More Swayam Prakash	Pimpri Chinchwad Polytechnic, Akurdi	Winner	State	PO1,PO2, PO3, PO4,PO5, PO6,PO7,PSO1,PSO2,PSO3
18	Project Competition	31/03/2023	Hagaldivate Mujahid Rajebhai	Pimpri Chinchwad Polytechnic, Akurdi	Winner	State	PO1,PO2, PO3, PO4,PO5, PO6,PO7,PSO1,PSO2,PSO3
19	Project Competition	31/03/2023	Vyavahare Prathamesh Kalyan	Pimpri Chinchwad Polytechnic, Akurdi	Participation	State	PO1,PO2, PO3, PO4,PO5, PO6,PO7,PSO1,PSO2,PSO3
20	Project Competition	31/03/2023	Pawar Arjun Abaso	Pimpri Chinchwad Polytechnic, Akurdi	Participation	State	PO1,PO2, PO3, PO4,PO5, PO6,PO7,PSO1,PSO2,PSO3
21	Project Competition	31/03/2023	Shinde Atharva Umesh	Pimpri Chinchwad Polytechnic, Akurdi	Participation	State	PO1,PO2, PO3, PO4,PO5, PO6,PO7,PSO1,PSO2,PSO3
22	Project Competition	31/03/2023	Chopade Yashwant Dilip	Pimpri Chinchwad Polytechnic, Akurdi	Participation	State	PO1,PO2, PO3, PO4,PO5, PO6,PO7,PSO1,PSO2,PSO3
23	Project Competition	31/03/2023	Barmase Bhavesh Manoj	Pimpri Chinchwad Polytechnic, Akurdi	Participation	State	PO1,PO2, PO3, PO4,PO5, PO6,PO7,PSO1,PSO2,PSO3
24	Project Competition	31/03/2023	Sasane Manoj Sunil	Pimpri Chinchwad Polytechnic, Akurdi	Participation	State	PO1,PO2, PO3, PO4,PO5, PO6,PO7,PSO1,PSO2,PSO3
25	Quiz Competition	28/02/2023	Sabale Prasad Sandeepan	JSPM's Rajarshri Shahu College of Engineering Polytechnic, Tathwade	Participation	State	PO1,PO2,PO5,PO6,PO7
26	Quiz Competition	28/02/2023	Shaikh Abid Mustak	JSPM's Rajarshri Shahu College of Engineering Polytechnic, Tathwade	Participation	State	PO1,PO2,PO5,PO6,PO7

27	Quiz Competition	28/02/2023	Gawade Rushikesh Mahadev	JSPM's Rajarshri Shahu College of Engineering Polytechnic, Tathwade	Participation	State	PO1,PO2,PO5,PO6,PO7
28	Quiz Competition	28/02/2023	Deshmukh Pranav Ashok	JSPM's Rajarshri Shahu College of Engineering Polytechnic, Tathwade	Participation	State	PO1,PO2,PO5,PO6,PO7
29	Quiz Competition	28/02/2023	Mekeri Ajaykumar Balu	JSPM's Rajarshri Shahu College of Engineering Polytechnic, Tathwade	Participation	State	PO1,PO2,PO5,PO6,PO7
30	Quiz Competition	28/02/2023	Bhandare Mayawati Dadarao	JSPM's Rajarshri Shahu College of Engineering Polytechnic, Tathwade	Participation	State	PO1,PO2,PO5,PO6,PO7
31	Quiz Competition	28/02/2023	Chopade Yashwant Dilip	JSPM's Rajarshri Shahu College of Engineering Polytechnic, Tathwade	Participation	State	PO1,PO2,PO5,PO6,PO7
32	Quiz Competition	28/02/2023	Labde Aaditya Bhaskar	JSPM's Rajarshri Shahu College of Engineering Polytechnic, Tathwade	Participation	State	PO1,PO2,PO5,PO6,PO7
33	Poster Presentation	21/02/2023	Bhegade Ishwari Balasaheb	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
34	Poster Presentation	21/02/2023	Palande Maithili Deepak	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
35	Poster Presentation	21/02/2023	Vyavahare Prathamesh Kalyan	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
36	Poster Presentation	21/02/2023	Shinde Atharva Umesh	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
37	Poster Presentation	21/02/2023	Mohite Jay Tukaram	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
38	Poster Presentation	21/02/2023	Kadale Tejas Sunil	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7

			Khandare Vaibhay	RMDIOT			
39	Poster Presentation	21/02/2023	Hanuman	Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
40	Poster Presentation	21/02/2023	Waghmare Amit Apparao	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
41	Poster Presentation	21/02/2023	Mokashi Siddhesh Rohidas	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
42	Poster Presentation	21/02/2023	Chopade Yashwant Dilip	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
43	Poster Presentation	21/02/2023	Kumbhar Tejas Sandeep	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
44	Poster Presentation	21/02/2023	Panchal Vedant Shriram	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
45	Poster Presentation	21/02/2023	Sankpal Yash Santosh	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
46	Poster Presentation	21/02/2023	Shaikh Ali Ashpak	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
47	Poster Presentation	21/02/2023	Dolare Sayoni Nagesh	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
48	Poster Presentation	21/02/2023	Pawar Arjun Abaso	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
49	Poster Presentation	21/02/2023	Labde Aaditya Bhaskar	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
50	Poster Presentation	21/02/2023	Charthal Kshitij Rameshwar	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
51	Poster Presentation	21/02/2023	More Swayam Prakash	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
52	Poster Presentation	21/02/2023	Hagaldivate Mujahid Rajebhai	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
53	Poster Presentation	21/02/2023	Balsaraf Shardul Shridhar	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
54	Poster Presentation	21/02/2023	Jagatap Swaraj Sachin	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
55	Poster Presentation	21/02/2023	Pujari Ganesh Sabanna	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
56	Poster Presentation	21/02/2023	Madane Rushikesh Mohan	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
57	Poster Presentation	21/02/2023	Kale Shreyash Bhausaheb	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7

58	Poster Presentation	21/02/2023	Pimple Manas Sharad	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
59	Poster Presentation	21/02/2023	Dolare Suhani Nagesh	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
60	Poster Presentation	21/02/2023	Randhave Pornima Sanjay	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
61	Poster Presentation	21/02/2023	Ghanghav Rohit Rahul	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
62	Poster Presentation	21/02/2023	Alure Satish Iranna	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
63	Poster Presentation	21/02/2023	Shaikh Sameer Mustafa	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
64	Poster Presentation	21/02/2023	Mekeri Ajaykumar Balu	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
65	Poster Presentation	21/02/2023	Sonar Ganesh Suresh	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
66	Poster Presentation	21/02/2023	Mekeri Vijay Balu	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
67	Poster Presentation	21/02/2023	Deshmukh Pranav Ashok	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7
68	Poster Presentation	21/02/2023	Kamble Sunil Chandrakant	RMDIOT, Chinchwad	Participation	State	PO1,PO2, PO5,PO6,PO7

Table 2.2.8.2: Details of co-curricular activities for academic year 2021-22 (CAYm1)

Sr. No.	Type of Activity & Details (Paper Presentation / Project / Quiz etc.)	Date	Name of Participating Student/s	Organizing Body & Organizing Institute	Awards (Winner / Participation)	Level (State / National etc.)	Relevance with PEO's PO's & CO with Course Code (Only nos.)
01	Paper Presentation	14/03/2022	Chawan Parth Ameet	RMDIOT, Chinchwad	Winner	State	PO1,PO2,PO5, PO6,PO7,PSO1
02	Paper Presentation	14/03/2022	Kumbhar Rohan Shrikant	RMDIOT, Chinchwad	Winner	State	PO1,PO2,PO5, PO6,PO7,PSO1
03	Paper Presentation	14/03/2022	Hudekar Suraj Kailas	RMDIOT, Chinchwad	Winner	State	PO1,PO2,PO5, PO6,PO7,PSO1

	1						L
04	Paper Presentation	14/03/2022	Sonavane Siddhant Niteen	RMDIOT, Chinchwad	Runner-Up	State	PO1,PO2,PO5, PO6,PO7,PSO1
05	Paper Presentation	14/03/2022	Nimbalkar Sujayraje Mahesh	RMDIOT, Chinchwad	Runner-Up	State	P01,P02,P05, P06,P07,PS01
06	Paper Presentation	14/03/2022	Kale Pooja Shashikant	RMDIOT, Chinchwad	Runner-Up	State	PO1,PO2,PO5, PO6,PO7,PSO1
07	Paper Presentation	14/03/2022	Dharurkar Rutvik Rajendra	RMDIOT, Chinchwad	Runner-Up	State	PO1,PO2,PO5, PO6,PO7,PSO1
08	Paper Presentation	14/03/2022	Jadhav Sandesh Suresh	RMDIOT, Chinchwad	Third	State	PO1,PO2,PO5, PO6,PO7,PSO1
09	Paper Presentation	14/03/2022	Patil Rushikesh Narendra	RMDIOT, Chinchwad	Third	State	PO1,PO2,PO5, PO6,PO7,PSO1
10	Quiz Competition	15/03/2022	Shaikh Junaed Ayub	RMDIOT, Chinchwad	Winner	State	PO1,PO2,PO5,PO6,PO7
11	Quiz Competition	15/03/2022	Shaikh Abid Mustak	RMDIOT, Chinchwad	Winner	State	PO1,PO2,PO5,PO6,PO7
12	Quiz Competition	15/03/2022	Pal Azad Ramlakhan	RMDIOT, Chinchwad	Runner-Up	State	PO1,PO2,PO5,PO6,PO7
13	Quiz Competition	15/03/2022	Sasane Manoj Sunil	RMDIOT, Chinchwad	Runner-Up	State	P01,P02,P05,P06,P07
14	Poster Presentation	14/03/2022	Kumbhar Roshani Shrikant	RMDIOT, Chinchwad	Winner (First)	State	PO1,PO2, PO5,PO6,PO7
15	Poster Presentation	14/03/2022	Bhandari Mayawati Dadarao	RMDIOT, Chinchwad	Winner (Second)	State	PO1,PO2, PO5,PO6,PO7
16	Poster Presentation	14/03/2022	Ovhal Sagar B.	RMDIOT, Chinchwad	Winner (Third)	State	PO1,PO2, PO5,PO6,PO7
	1		1			1	1

Table 2.2.8.3: Details of extra co-curricular activities for academic year 2022-23 (CAY)

Sr. No.	Type of Activity & Details (Sports / Drama / Social / NSS etc.)	Date	Name of Participating Student/s	Organizing Body & Organizing Institute	Awards (Winner / Participation)	Level (State / National etc.)	
---------	---	------	------------------------------------	---	------------------------------------	--	--

01Sports (D1 Zonal Badminton)08/11/2022Palande Maithili D.Shree Ramchandra College of EngineeringParticipation-02Sports (D1 Zonal Badminton)08/11/2022Dolare Suhani N.Shree Ramchandra College of EngineeringParticipation-03Sports (D1 Zonal Kabbadi)09/11/2022Pawar Arjun A.Samarth Polytechnic, BelheParticipation-04Sports (D1 Zonal Kabbadi)09/11/2022Sankpal Yash S.Samarth Polytechnic, BelheParticipation-05Sports (D1 Zonal Kabbadi)09/11/2022Mulla Arslal S.Samarth Polytechnic, BelheParticipation-06Sports (D1 Zonal Kabbadi)09/11/2022Shaikh Ali A.Samarth Polytechnic, BelheParticipation-07Sports (D1 Zonal Kabbadi)09/11/2022Mohite Jay T.Samarth Polytechnic, BelheParticipation-08Sports (D1 Zonal Kabbadi)09/11/2022Sonawane Samarth M.Samarth Polytechnic, BelheParticipation-09Sports (D1 Zonal Kabbadi)09/11/2022Vishnu Pillai S.Zeal Polytechnic, BelheParticipation-							
02Sports (D1 Zonal Badminton)08/11/2022Dolare Suhani N.Shree Ramchandra College of EngineeringParticipation-03Sports (D1 Zonal Kabbadi)09/11/2022Pawar Arjun A.Samarth Polytechnic, BelheParticipation-04Sports (D1 Zonal Kabbadi)09/11/2022Sankpal Yash S.Samarth Polytechnic, BelheParticipation-05Sports (D1 Zonal Kabbadi)09/11/2022Mulla Arslal S.Samarth Polytechnic, BelheParticipation-06Sports (D1 Zonal Kabbadi)09/11/2022Shaikh Ali A.Samarth Polytechnic, BelheParticipation-07Sports (D1 Zonal Kabbadi)09/11/2022Mohite Jay T.Samarth Polytechnic, BelheParticipation-08Sports (D1 Zonal Kabbadi)09/11/2022Sonawane Samarth M.Samarth Polytechnic, BelheParticipation-09Sports (D1 Zonal Football)15/11/2022Vishnu Pillai S.Zeal Polytechnic, PuneParticipation-	01	Sports (D1 Zonal Badminton)	08/11/2022	Palande Maithili D.	Shree Ramchandra College of Engineering	Participation	-
03Sports (D1 Zonal Kabbadi)09/11/2022Pawar Arjun A.Samarth Polytechnic, BelheParticipation-04Sports (D1 Zonal Kabbadi)09/11/2022Sankpal Yash S.Samarth Polytechnic, BelheParticipation-05Sports (D1 Zonal Kabbadi)09/11/2022Mulla Arslal S.Samarth Polytechnic, BelheParticipation-06Sports (D1 Zonal Kabbadi)09/11/2022Shaikh Ali A.Samarth Polytechnic, BelheParticipation-07Sports (D1 Zonal Kabbadi)09/11/2022Mohite Jay T.Samarth Polytechnic, BelheParticipation-08Sports (D1 Zonal Kabbadi)09/11/2022Sonawane Samarth M.Samarth Polytechnic, BelheParticipation-09Sports (D1 Zonal Football)15/11/2022Vishnu Pillai S.Zeal Polytechnic, PuneParticipation-	02	Sports (D1 Zonal Badminton)	08/11/2022	Dolare Suhani N.	Shree Ramchandra College of Engineering	Participation	-
04Sports (D1 Zonal Kabbadi)09/11/2022Sankpal Yash S.Samarth Polytechnic, BelheParticipation-05Sports (D1 Zonal Kabbadi)09/11/2022Mulla Arslal S.Samarth Polytechnic, BelheParticipation-06Sports (D1 Zonal Kabbadi)09/11/2022Shaikh Ali A.Samarth Polytechnic, BelheParticipation-07Sports (D1 Zonal Kabbadi)09/11/2022Mohite Jay T.Samarth Polytechnic, BelheParticipation-08Sports (D1 Zonal Kabbadi)09/11/2022Sonawane Samarth M.Samarth Polytechnic, BelheParticipation-09Sports (D1 Zonal Football)15/11/2022Vishnu Pillai S.Zeal Polytechnic, PuneParticipation-	03	Sports (D1 Zonal Kabbadi)	09/11/2022	Pawar Arjun A.	Samarth Polytechnic, Belhe	Participation	-
05Sports (D1 Zonal Kabbadi)09/11/2022Mulla Arslal S.Samarth Polytechnic, BelheParticipation-06Sports (D1 Zonal Kabbadi)09/11/2022Shaikh Ali A.Samarth Polytechnic, BelheParticipation-07Sports (D1 Zonal Kabbadi)09/11/2022Mohite Jay T.Samarth Polytechnic, BelheParticipation-08Sports (D1 Zonal Kabbadi)09/11/2022Sonawane Samarth M.Samarth Polytechnic, BelheParticipation-09Sports (D1 Zonal Football)15/11/2022Vishnu Pillai S.Zeal Polytechnic, PuneParticipation-	04	Sports (D1 Zonal Kabbadi)	09/11/2022	Sankpal Yash S.	Samarth Polytechnic, Belhe	Participation	-
06Sports (D1 Zonal Kabbadi)09/11/2022Shaikh Ali A.Samarth Polytechnic, BelheParticipation-07Sports (D1 Zonal Kabbadi)09/11/2022Mohite Jay T.Samarth Polytechnic, BelheParticipation-08Sports (D1 Zonal Kabbadi)09/11/2022Sonawane Samarth M.Samarth Polytechnic, BelheParticipation-09Sports (D1 Zonal Football)15/11/2022Vishnu Pillai S.Zeal Polytechnic, PuneParticipation-	05	Sports (D1 Zonal Kabbadi)	09/11/2022	Mulla Arslal S.	Samarth Polytechnic, Belhe	Participation	-
07Sports (D1 Zonal Kabbadi)09/11/2022Mohite Jay T.Samarth Polytechnic, BelheParticipation-08Sports (D1 Zonal Kabbadi)09/11/2022Sonawane Samarth M.Samarth Polytechnic, BelheParticipation-09Sports (D1 Zonal Football)15/11/2022Vishnu Pillai S.Zeal Polytechnic, PuneParticipation-	06	Sports (D1 Zonal Kabbadi)	09/11/2022	Shaikh Ali A.	Samarth Polytechnic, Belhe	Participation	-
08 Sports (D1 Zonal Kabbadi) 09/11/2022 Sonawane Samarth M. Samarth Polytechnic, Belhe Participation - 09 Sports (D1 Zonal Football) 15/11/2022 Vishnu Pillai S. Zeal Polytechnic, Pune Participation -	07	Sports (D1 Zonal Kabbadi)	09/11/2022	Mohite Jay T.	Samarth Polytechnic, Belhe	Participation	-
09 Sports (D1 Zonal Football) 15/11/2022 Vishnu Pillai S. Zeal Polytechnic, Pune Participation -	08	Sports (D1 Zonal Kabbadi)	09/11/2022	Sonawane Samarth M.	Samarth Polytechnic, Belhe	Participation	-
	09	Sports (D1 Zonal Football)	15/11/2022	Vishnu Pillai S.	Zeal Polytechnic, Pune	Participation	-





Figure 2.2.8.1: Images of blanket and snacks distribution on the occasion of children's day to road side children





Figure 2.2.8.2: Images of visit to orphanage home



Figure 2.2.8.3: Images of visit to Sant Moni baba ashram (old age home)



Figure 2.2.8.4: Images of self-defense lecture By Mr. Arvind More to all girls in the institutes









Figure 2.2.8.5: Images of sport activities conducted at the institute





Figure 2.2.8.6: Images of the state level PPT presentation competition organised by institute under Tech Menia



Figure 2.2.8.7: Images of poster presentation competition organised by institute under Tech Menia



Figure 2.2.8.8: Image of prize distribution ceremony of Tech Menia 2021-22

3 COURSE OUTCOMES AND PROGRAM OUTCOMES (100)

Define the Program specific outcomes

PSO1	Modern Software and Hardware Usage: Use lat
PSO2	Equipment and Instruments: Maintain equipme
PSO3	Mechanical Engineering Processes: Mechanica

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

.....

Total Marks 20.00
3.1.1 Course Outcomes (SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses) (5)

Institute Marks

5.00

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

Course Name :		C1 01		Course Year :	2022	2-23				
Course Name	Statements									
C1 01.1	Formulate gra	immatically correct sentence	es.							
C1 01.2	Summarize co	Summarize comprehension passages								
C1 01.3	Compose Dia	logues and paragraphs for	different situations							
C1 01.4	Use relevent v	words as per context								
C1 01.5	Deliver prepar	red speeches to express ide	eas ,thoughts and emot	ions.						

Course Name :		C1 07		Course Year :		2022-23					
Course Name	Statements										
C1 07.1	Select relevar	nt material in industry by analy	yzing its physical pro	perties.							
C1 07.2	Apply laws of	Apply laws of motion in various applications.									
C1 07.3	Use LASERs,	, X-Rays and photo electric se	ensors.								
C1 07.4	Select the rele	evant metallurgical process re	elated to industrial ap	oplications.							
C1 07.5	Use relevant	Use relevant water treatment process to solve industrial problems.									
C1 07.6	Use relevant	fuel in relevant applications.									

Course Name :		C2 01		Course Year :		2022-23
Course Name	Statements					
C2 01.1	Compute Mor	nent of Inertia of symmetrie	c and asymmetric struc	ctural sections.		
C2 01.2	Estimate simp	ble stresses in machine cor	mponents.			
C2 01.3	Perform test to	o evaluate mechanical pro	perties according to Inc	dia Standards.		
C2 01.4	Compute shea	ar force and bending mom	ent and corresponding	shear and bending stress	es in beams	subjected to
C2 01.5	Estimate stres	sses in shafts under twistin	ig moments.			

C2 01.6

Estimate stresses in short member subjected to eccentric loading.

C2 07 2022-23 Course Name : Course Year : Course Name Statements C2 07.1 Identify various links in popular mechanism C2 07.2 Select suitable mechanism for various applications C2 07.3 Identify the motion of cam and follower C2 07.4 Recommend relevant belts chain and drives for different application C2 07.5 Choose relevant brakes and clutches for various applications C2 07.6 Select suitable flywheel and governor for various applications

Course Name :	C3 01	Course Year :	2022-23

Course Name	Statements
C3 01.1	Use basic management principles to execute daily activities.
C3 01.2	Use principles of planning and organising for accomplishment of tasks.
C3 01.3	Use principles of directing and controlling for implementing the plan.
C3 01.4	Apply principles of safety management in all activities.
C3 01.5	Understand various provisions of industrial acts.

Course Name :		C3 09	Course Year :	2022-23
Course Name	Statements			
C3 09.1	Identify differe	ent New Systems available in Automobile.		
C3 09.2	Apply Heat er	ngineering principles in process Boilers and wa	ste heat Recovery systems used in Pro	cess Industry
C3 09.3	Cite examples	s of Modern manufacturing Technology in indus	stry	

C3 09.4	Use different standards for energy Management and Audit of a given system.
C3 09.5	Select recent agricultural equipment for pre and post harvesting.

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

Institute Marks

5.00

1 . course name : C201

Course	PO1		PO2		PO3		PO4		PO5		PO6		PO7	
C101.1	3	~	-	~	-	~	2	~	2	~	3	~	3	~
C101.2	3	~	-	~	-	~	2	~	2	~	2	~	2	~
C101.3	3	~	-	~	-	~	2	~	3	~	3	*	2	~
C101.4	3	~	-	~	-	~	2	~	2	~	2	~	3	~
C101.5	3	~	-	~	-	~	3	~	3	~	2	~	3	~
Average	3.00		0.00		0.00		2.20		2.40		2.40		2.60	

2 . course name : C207

Course	PO1		PO2		PO3		PO4		PO5		PO6		PO7	
C107.1	3	~	2	~	2	~	1	*	1	~	1	~	1	~
C107.2	2	~	2	~	2	*	1	~	1	~	1	*	1	~
C107.3	2	~	2	~	2	*	1	~	1	~	1	*	1	*
C107.4	3	*	3	~	2	*	1	*	2	~	2	*	1	*
C107.5	3	~	3	~	2	*	3	~	3	~	2	~	1	*
C107.6	3	*	2	~	2	*	2	*	2	*	2	*	2	*
Average	2.67		2.33		2.00		1.50		1.67		1.50		1.17	

3 . course name : C301

Course	P01		PO2		PO3		PO4		PO5		PO6		PO7	
C201.1	3	~	3	~	3	~	2	~	-	~	-	~	3	~
C201.2	3	~	3	~	3	~	3	~	-	~	-	~	3	~
C201.3	3	~	2	~	2	~	3	~	-	~	-	~	3	~
C201.4	3	~	3	~	3	~	2	~	-	~	-	~	2	~
C201.5	2	~	3	~	3	~	3	~	-	~	-	~	3	~

https://enba.nbaind.org/SARTemplates/eSARDiplomaPrint.aspx?Appid=8309&Progid=59#

Print

C201.6	3 🗸	3 🗸	3 🗸	2 🗸	- *	- •	2 🗸
Average	2.83	2.83	2.83	2.50	0.00	0.00	2.67

4 . course name : C307

Course	PO1		PO2		PO3		PO4		PO5		PO6		PO7	
C207.1	3	~	2	~	2	*	-	~	-	~	-	~	2	~
C207.2	3	~	2	~	2	*	-	*	-	~	-	~	2	~
C207.3	2	~	2	~	2	*	3	~	-	~	-	~	2	~
C207.4	2	~	3	~	2	*	2	*	-	~	-	~	2	~
C207.5	2	~	3	~	2	*	-	~	-	~	-	~	2	~
C207.6	2	~	2	~	2	*	-	~	-	~	-	~	2	~
Average	2.33		2.33		2.00		2.50		0.00		0.00		2.00	

5 . course name : C401

Course	PO1		PO2		PO3		PO4		PO5		PO6		PO7	
C301.1	2	~	2	~	2	*	-	*	2	*	-	~	2	*
C301.2	2	~	2	~	2	*	-	~	-	*	-	~	2	~
C301.3	2	~	2	~	2	*	-	~	-	*	-	*	2	~
C301.4	2	~	3	~	3	~	-	*	2	*	2	*	2	~
C301.5	2	~	2	~	2	~	-	*	2	*	2	*	2	~
Average	2.00		2.20		2.20		0.00		2.00		2.00		2.00	

6 . course name : C409

Course	PO1	PO2	PO3	PO4	PO5	PO6	P07
C309.1	3 🗸	3 🗸	3 🗸	2 🗸	2 🗸	- *	2 🗸
C309.2	3 🗸	3 🗸	3 🗸	2 🗸	2 🗸	- *	2 🗸

Average	3.00		3.00		3.00		2.40		2.20		2.00		1.00	
Average	2 00		2 00		2 00		2 40		2 20		2 00		1 90	
C309.5	3	~	3	~	3	~	2	~	3	~	-	~	2	*
C309.4	3	~	3	~	3	~	3	~	2	~	-	~	1	~
C309.3	3	~	3	~	3	~	3	~	2	~	2	~	2	~

1 . Course Name : C201

Course	PSO1		PSO2		PSO3	
C101.1	2	~	-	~	-	~
C101.2	-	~	-	~	-	~
C101.3	-	~	-	~	-	~
C101.4	2	~	-	~	-	~
C101.5	1	~	-	~	-	~
Average	1.67		0.00		0.00	

2 . Course Name : C207

Course	PSO1		PSO2		PSO3	
C107.1	-	~	1	~	1	~
C107.2	-	~	1	~	1	~
C107.3	-	~	1	~	1	~
C107.4	2	~	3	~	3	~
C107.5	3	~	3	~	3	~
C107.6	3	~	3	~	3	~
Average	2.67		2.00		2.00	

3 . Course Name : C301

Course	PSO1	l	PSC)2	PSC)3
C201.1	-	~	-	~	1	~
C201.2	3	~	1	~	1	~
C201.3	2	~	3	~	1	~
C201.4	-	~	2	~	-	~
C201.5	2	~	3	~	-	~

C201.6	1	~	3	~	-	~
Average	2.00		2.40		1.00	

4 . Course Name : C307

Course	PSO1		PSO2		PSO3	
C207.1	3	~	-	~	2	*
C207.2	3	~	-	~	2	~
C207.3	2	~	2	~	2	*
C207.4	2	~	2	~	2	~
C207.5	2	~	-	~	2	*
C207.6	2	~	-	~	2	~
Average	2.33		2.00		2.00	

5 . Course Name : C401

Course	PSO1		PSO	2	PSO3	
C301.1	2	~	-	~	2	~
C301.2	2	~	-	~	2	~
C301.3	2	~	-	~	2	~
C301.4	2	~	-	~	2	~
C301.5	2	~	-	~	2	~
Average	2.00		0.00		2.00	

6 . Course Name : C409

Course	PSO1		PSO	2	PSC)3
C309.1	3	~	2	~	2	~
C309.2	3	~	2	~	2	~

Average	2.80		2.40		2.00	
C309.5	2	~	2	~	2	~
C309.4	3	~	3	~	2	~
C309.3	3	~	3	~	2	~

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

Institute Marks

10.00

Print

25/11/2023, 11:19

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
C101	3.00	0.00	0.00	2.20	2.40	2.40	2.60
C102	2.50	2.00	1.50	2.00	1.67	1.50	1.67
C103	2.80	1.00	1.00	1.60	0.00	0.00	0.00
C104	3.00	0.00	0.00	3.00	3.00	3.00	3.00
C105	2.60	2.60	2.60	2.00	0.00	2.20	2.40
C106	2.60	2.40	2.20	2.00	0.00	1.75	1.60
C107	2.67	2.33	2.00	1.50	1.67	1.50	1.17
C108	2.67	3.00	2.83	2.50	2.50	2.00	1.67
C109	3.00	1.00	1.00	3.00	2.00	0.00	0.00
C110	1.83	2.83	2.83	2.60	1.00	2.50	2.00
C111	1.60	0.00	0.00	1.60	2.00	3.00	3.00
C112	2.40	2.20	2.20	2.20	0.00	2.00	1.60
C201	2.83	2.83	2.83	2.50	0.00	0.00	2.67
C202	2.33	3.00	3.00	2.00	2.00	1.80	2.33
C203	2.83	2.33	2.33	2.83	2.00	3.00	1.20
C204	2.80	2.40	3.00	2.40	2.00	2.00	1.60
C205	2.33	2.67	2.67	3.00	2.00	2.00	3.00
C206	2.67	2.33	2.33	0.00	0.00	0.00	0.00
C207	2.33	2.33	2.00	2.50	0.00	0.00	2.00
C208	2.00	2.67	2.67	2.83	0.00	0.00	0.00
C209	3.00	3.00	2.00	2.80	0.00	0.00	2.75
C210	3.00	3.00	2.00	2.67	0.00	0.00	3.00
C211	2.00	2.00	1.50	2.00	3.00	2.00	2.00
C212	2.00	2.86	2.86	2.00	2.00	2.00	2.14
C213	3.00	2.33	2.83	3.00	0.00	0.00	2.17
C301	2.00	2.20	2.20	0.00	2.00	2.00	2.00

25/11/2023, 11:19

C302	3.00	2.20	2.00	3.00	2.00	0.00	2.50
C303	2.50	2.83	2.50	3.00	0.00	0.00	0.00
C304	3.00	2.50	2.33	0.00	0.00	0.00	2.50
C305B	2.00	2.33	2.33	2.00	2.00	0.00	1.33
C306	2.67	2.67	2.67	2.67	0.00	0.00	2.67
C307	2.40	2.00	2.00	2.20	2.40	2.83	3.00
C308	2.71	2.29	2.43	2.14	2.33	2.71	2.86
C309	3.00	3.00	3.00	2.40	2.20	2.00	1.80
C310	2.50	2.00	0.00	2.00	1.00	0.00	1.33
C311	2.67	2.17	2.00	2.67	3.00	0.00	2.33
C312	3.00	2.40	2.60	2.60	2.50	0.00	2.80
C313C	3.00	2.50	2.00	2.00	3.00	0.00	2.00
C314	3.00	2.60	2.60	2.20	1.40	3.00	2.60
C315	2.67	2.33	2.13	2.17	2.25	2.67	3.00

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

Print

25/11/2023, 11:19

Course	PSO1	PSO2	PSO3
C101	1.67	0.00	0.00
C102	1.83	2.00	3.00
C103	0.00	0.00	0.00
C104	2.00	0.00	0.00
C105	1.00	0.00	0.00
C106	2.75	2.40	2.00
C107	2.67	2.00	2.00
C108	1.50	1.40	2.86
C109	1.50	1.50	0.00
C110	1.17	0.00	1.00
C111	1.00	1.00	1.00
C112	2.75	2.00	1.25
C201	2.00	2.40	1.00
C202	2.00	1.33	2.33
C203	2.17	1.50	1.17
C204	2.00	1.60	1.60
C205	1.83	2.00	3.00
C206	1.33	1.60	0.00
C207	2.33	2.00	2.00
C208	2.00	3.00	0.00
C209	3.00	2.60	0.00
C210	3.00	3.00	2.00
C211	2.00	2.00	2.00
C212	1.50	1.86	2.14
C213	3.00	2.83	3.00
C301	2.00	0.00	2.00

.

C3033.003.002.00C3043.000.002.50C305B2.172.001.33C3062.673.002.67C3072.002.003.00C3082.712.712.17C3092.802.402.00C3102.502.001.83C3112.002.672.67
C3043.000.002.50C305B2.172.001.33C3062.673.002.67C3072.002.003.00C3082.712.712.17C3092.802.402.00C3102.502.001.83C3112.002.672.67
C305B2.172.001.33C3062.673.002.67C3072.002.003.00C3082.712.712.17C3092.802.402.00C3102.502.001.83C3112.002.672.67
C3062.673.002.67C3072.002.003.00C3082.712.712.17C3092.802.402.00C3102.502.001.83C3112.002.672.67
C3072.002.003.00C3082.712.712.17C3092.802.402.00C3102.502.001.83C3112.002.672.67
C3082.712.712.17C3092.802.402.00C3102.502.001.83C3112.002.672.67
C3092.802.402.00C3102.502.001.83C3112.002.672.67
C3102.502.001.83C3112.002.672.67
C311 2.00 2.67 2.67
C312 2.60 2.60 2.00
C313C 2.50 0.00 2.00
C314 2.00 1.80 2.60
C315 2.56 2.67 2.11

3.2 Attainment of Course Outcomes (40)

Total Marks 40.00

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

Assessment Process for CO Attainment:

For the evaluation and assessment of CO's and PO's, rubrics are used. The rubrics considered here are given below:

A. CO Assessment Rubrics:



Fig. CO Assessment Process

Course Outcome is evaluated based on the performance of students in internal assessments and in MSBTE examination of a course. Internal assessment contributes 30% and MSBTE assessment contributes 70% to the total attainment of a CO.

CO-Assessment Process / Tools:

Direct Internal Assessment Tools

Component	Components of Evaluation	Nature of Exam	
Theory	Class First Test Exam	Short and long questions & Multiple choice questions	
	Class Second Test Exam	Short and long questions & Multiple choice questions	

	Continuous Assessment	Planning, analysis of lab skills, finishing the experiment	
Practical	Practical End semester examination	Synopsis, spotting and viva-voce, major & minor experiment.	
	Micro-project	Communication, data interpretation	
Beyond syllabus	Conducting experiments	Only Specific Subject.	
Overall Evaluation	MSBTE End Semester Exam –semester wise		

MSBTE examinations:

Print

Component	Components of Evaluation	Nature of exam
Theory	MSBTE end exams	Short questions, long questions, numerical Problems
Practical	MSBTE end exams	Synopsis, spotting, major experiment, minor experiment, interpretation, data analysis, viva voce, communication

Indirect assessment tools

S. No.	Indirect Assessment	Method Description
1.	Course Exit Feedback: Survey Questionnaire	Collect variety of information about Course Satisfaction and Department from the all year students.
3.	Student Feedback (About OBE)	Collect variety of information about outcome- based education in teaching and learning process.

Assessment Parameters: The performance of a student in each semester shall be evaluated course - wise with a maximum of 100 marks for theory course and 100 marks for laboratory.

B. Quality / Relevance of Assessment Process:

Assessment process: The assessment tools are direct and indirect methods for evaluating the attainment of POs.

Direct methods:

Through the internal and external assessment, the teacher can focus on the PO's. The question papers include, short answers, short question and long question type. In addition, MCQs examinations are conducted on each unit test. In case of laboratory examination, synopsis, major experiment, minor experiment, viva voce, reports, etc., are the components. While setting a question paper, each question is framed based on the PO's in order to attain them to a large extent.

A few POs of minor importance may not be accommodated. It is necessary that a question has to cover 60% of 'essentials to know', 30% 'better to know' and 10% are 'nice to know'. Therefore, special attempts are made to attain these objectives.

The subjects are also categorized as professional core subjects, basic science subjects (mathematics, science, computing, and humanities) and Engineering Sciences. Accordingly, the POs have assumed adequate importance. Having set the question papers, the answer papers are being evaluated from the same perspectives. The students are given feedback and POs are highlighted. Data are gathered after scrutinizing the answer for course outcomes. The course outcomes are translated to POs. Attainment of POs is considered from the data of all students.

Print

1. Theory course:

1. Pattern for Internal Unit Test Examinations:

For theory courses of each semester there shall be two Unit Test descriptive & objective exams. Each descriptive & objective exam consists of 60 minutes (1hr). The Unit Test exams will be taken for the assessment of internal marks. The first Unit Test examination will be conducted usually after 6 to 7 weeks of instruction of MSBTE Academic Calendar year wise or semester wise; the second Unit Test examination will be conducted at instruction of MSBTE Academic Calendar year wise or semester wise;

Total weightage of Theory Marks to the Course is 100. From 100 Marks 70 Marks are allotted to MSBTE Theory end Examination and 30 Marks are allotted to Theory Progressive Assessment (PA).

Under the theory PA; out of 30 Marks, 10 marks of theory PA are for micro-project assessment to facilitate integration of COs and the remaining 20 marks is the average of 2 class tests taken during the semester. MSBTE Theory Examination of 70 marks will be conducted by MSBTE at the end of semester.

Theory (TW) Marks (TH-PA) (30) = ((Average of Two Unit Test (1&2) (20)) + (Micro-Project) (10))

2. CO-wise assessment Rubrics:

Every Unit Test question is mapped to a specific CO. Thereafter, a CO-wise cut-off value is taken based on the highest mark secured for that CO and the number of students with their internal mark above the cut- off value is considered for rating the CO attainment.

No. of students having marks > cut-off	Rating in 3 scale (1)
>=60%	3
50% to 59%	2
40% to 49%	1

3. Pattern for External End Examinations:

There shall be an external examination for every theory course and the duration of the time for this end examination is 3 hours.

Assessment Rubrics:

An overall cut-off value is taken for all CO's commonly based on the highest mark secured and the number of students with their external mark above the cut-off value is considered for rating all CO attainments.

No. of students having marks >cut-off	Rating in 3 scale (E)
>=60%	3
50% to 59%	2
40% to 49%	1

4. Overall Attainment:

The Final CO attainment is calculated by combining the internal attainment and External attainment in a ratio of 30: 70.

Final Value (V) = 30% of Internal Level (I) + 70% of External Level (E)

2. Laboratory Course:

Pattern for Lab Examinations:

For practical subjects, Progressive Assessment (P.A.) of each experiment will be done out of 25 marks on the basis of Use of appropriate tool to solve the problem, Quality of output achieved, Answer to sample questions and Submit report in time. Final term work of 25 marks is calculated based on Progressive Assessment for each experiment. (25marks of theory subject & 50marks of non-theory subject).

For theory subject,

Practical (TW) Marks (50) = ((PR-PA (25)) + (PR-ESE) (25))

For Non-theory subject,

Practical (TW) Marks (100) = ((PR-PA (50)) + (PR-ESE) (50))

A comprehensive Final Practical End Semester examination (of 25 Marks) will be conducted by MSBTE at the end of semester. Examiner for this examination will be appointed by MSBTE. The schedule of MSBTE Practical Examination will be displayed prior to examination.

CO-wise assessment Rubrics:

No. of students having marks >cut-off	Rating in 3 scale (E)
>=60%	3
50% to 59%	2
40% to 49%	1

Micro-Project Work Evaluation:

Evaluation Scheme for Micro project:-

Sr. No.	Characteristic to be Assessed	10 Marks for each Characteristic	Converted Marks	Total Marks
1	Relevance to the course			
2	Literature Survey / Information Collection	-	Out of 6 Process &	
3	Completion of Target as per proposal	Total Marks out of 60 for	Product Assessment	
4	Analysis of Data and representation	6 Characteristics	(for group)	
5	Quality of Prototype/Model			(6 ± 4) out of 10
6	Report Preparation			(0+4) out of 10
7	Presentation	Total Marks out of 20 for	Out of 4 for (Individual	Ī
8	Viva	2 Characteristics	Student)	

There shall be Course-oriented Micro-Project; however, the Micro-Project and its report shall be evaluated along with the project work in Semester. The Course oriented Micro-Project shall be submitted in a report form and presented before the Semester end. It shall be evaluated for 10 marks. There shall be internal marks for Course-oriented Micro-Project.

Print

Print

Micro-project:

- Project batches are formed as per the instruction given by HOD's or class Teacher.
- Micro Project Viva is conducted by the Subject Teacher.
- Based on the viva the marks are awarded to the students and submitted to MSBTE.
- The department will encourage students to participate in technical Expo and the project guides motivate and guide the students to publish in standard conference/journal forums.

Attainment of Program Outcomes and Program Specific Outcomes.

The following are the Assessment Tools:

Several tools are described for assessing course outcomes. The program outcomes are based on the course outcomes. Thus, the tools remain the same for assessing the program outcomes. In addition, the tools of survey based on the alumni and exit surveys are considered.

- 1. Program End of course surveys
- 2. Course End of course surveys (half yearly)
- 3. Student exit surveys
- 4. Alumni surveys yearly
- 5. Staff surveys yearly

Direct assessment tools

Direct methods: Internal Assessment Test is conducted from two Test (Unit Test 1 & Unit Test 2), Micro-Project and practical continue assessment

Sr.No.	Direct Assessment	Method Description
1.	Internal Assessment Test	The Internal Assessment marks in a theory paper shall be based on two tests generally conducted at the end of 7 and 13 weeks of each semester (20). An improvement test may be conducted for the desirous students before the end of the semester to give an opportunity to such students to improve their Internal Assessment Marks. It is a metric to continuously assess the attainment of course outcomes w.r.t course objectives. Average of the two tests marks obtained shall be the Internal Assessment Marks for the relevant subject.
2	Assignment	Assignment is a metric to mainly assess student's knowledge/skills/attitude with their designing capabilities.
3	Lab Assignments	Lab Assignment can be one of the measuring criteria to mainly assess student's practical knowledge with their designing capabilities. In case of Practical, the Internal Assessment marks shall be based on day to work in the lab (25marks of theory subject & 50marks of non-theory subject) and one practical exam (25marks of theory subject & 50marks of non-theory subject).
4	Theory Semester Examination	Semester examination (theory or practical) are the metric to assess whether all the course outcomes are attained or not framed by the course owner. Semester Examination is more focused on attainment of course
5	Practical Semester Examination	outcomes and uses a descriptive exam. Practical semester examination focuses on conduction of experiments and viva-voce.

Print

6	Micro-Project & Final Project	The Internal Assessment marks in the case of micro- projects, projects and seminars in the final year shall be based on the evaluation at the end of 6th semester by a committee consisting of the Head of the concerned Department and MSBTE Appointed faculty.
9	Comprehensive viva	Viva-voce examination in project work shall be conducted batch wise.

Indirect assessment tools

Indirect methods: Survey is conducted from two levels: alumni and Program exit survey.

Sr. No.	Indirect Assessment	Method Description
1.	Alumni: Survey Questionnaire	Collect variety of information about program Satisfaction and college from the Alumni students.
2.	Program Exit Feedback: Survey Questionnaire	Collect variety of information about program Satisfaction and college from the final year students.
3	Student Feedback (About OBE)	Collect variety of information about outcome-based education in teaching and learning process.

Assessment Methodology, tools and frequency of use for direct method

S. No	Assessment Method	Assessment frequency	Assessment Tool
1	Internal Assessment Test	At the end of 7 th and 13th weeks of each semester.	Student's performance in internal Assessment booklets.
2	Lab Assessment Test	At the end of the semester	Student's performance in conducting experiments and journal writing.
3	Theory Semester Examination	At the end of the semester	Student's performance in MSBTE exams.
4	Practical Semester Examination	At the end of the semester	Student's performance in conducting experiments during MSBTE exams.
5	Micro-project	At the end of the Each semester	Student's performance in MSBTE exams
6	Project Work Viva voce	At the end of the 6 th semester	Student's performance in MSBTE exams
7	Course Exit Survey	Semester end	Student survey

Assessment Methodology, tools and frequency of use for indirect method.

Sr. No.	Assessment Method	Assessment frequency	Assessment Tool
1	Program Exit Survey	Annually	Exit report from Diploma
2	Alumni: PEO Survey Questionnaire	Annually	Exit report after 3 years of Diploma
3	Student Feedback(About OBE)	Twice in a year	Student survey

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

Institute Marks

30.00

Course outcomes of all courses are assessed with the help of above mentioned assessment tools and attainment level is evaluated based on set attainment rubrics as per rule. If the average attainment of a particular course for three consecutive years is greater than 80% of the maximum attainment value (i.e. 80% of 3 = 2.4), then for that particular course the current rubrics for attainment must be changed to analyze continuous improvement.

	Assessment Methods		Attainment Levels
		Level 1	40-50% of students scoring more than 40% marks in internal assessment tools.
]]	Internal Assessment	Level 2	50-60% of students scoring more than 50% marks in internal assessment tools.
		Level 3	60% of students scoring more than 60% marks in internal assessment tools.
		Level 1	40-50% of students scoring more than 40% marks in MSBTE examination.
1	MSBTE Assessment	Level 2	50-60% of students scoring more than 50% marks in MSBTE examination.
		Level 3	60% of students scoring more than 60% marks in MSBTE examination

Print



Fig. the process of Validation of CO-PO Mapping

The process of CO-PO mapping validation is given in figure and is explained as below:

- Step 1: Obtain course outcome.
- Step 2: Mapping of course outcome with program outcome.
- Step 3: Setting weightage for CO assessment.
- Step 4: CO measurement through assessment.

Step 5: Obtain CO attainment table through direct and indirect assessment methods.

Step 6: Obtain PO attainment table through direct and indirect assessment methods.

Assessment and Attainment methods:

Assessment is one or more processes which is carried out by the institution, that identify, collect and prepare data to evaluate the achievement of course outcomes and program outcomes. Attainment is the action or fact of achieving a standard result towards accomplishment of desired goals. Primarily attainment is the standard of academic attainment as observed by test and/or examination result. Assessment methods are categorized into two as direct method and indirect method to access CO's and PO's.

Print

The direct methods display the student's knowledge and skills from their performance in the continuous internal assessment tests, semester examinations and supporting activities such as seminars, assignments, case study, micro-project etc., These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning. The indirect method done through surveys and interviews.

CO assessment methods are employed:-

Direct assessment method and indirect assessment method are considered for 80% and 20% weightages respectively. Internal test assessment, micro project, Practical continuous assessment and Practical end semester examination and Theory end semester examination assessment are considered with the weightage of 30% and 70% respectively for the direct assessment of CO.

Procedure for Attainment of Program Outcomes:-

At the end of the each programme, the PO/PSO assessment is done from the CO attainment of all curriculum components. As per NBA guidelines, program can appropriately define the attainment level. The attainment level may be set by the particular program or commonly by the institution. The attainment can be made as best the choice by the institution or the program by analyzing the students' knowledge. This can be achieved by using different supporting activities. This attainment is mainly for the purpose of making an esteemed engineer with good analytical, practical and theoretical knowledge about the program by attaining the PEO's and PSO's of the program and the institution.

For the evaluation and assessment of CO's and PO's, rubrics are used.

Attainment Level	Description
Level 1	40-50% of students score more than 40% marks out of the maximum relevant marks.
Level 2	50-60% of students score more than 50% marks out of the maximum relevant marks.
Level 3	60% of students score more than 60% marks out of the maximum relevant marks.

CO Attainment Calculation of a Course:

Sample calculation of theory course

4			Rasiklal	M.Dhari	wal Instit	tute of Te	chnology							
			D	epartmen	t ofMech	anical Er	ıgg.							
	Attaintmen	t Criteria	· ·		Thresh	ould % o	fattainme	n 40	1					
Pe	ercentage marks	Attainment Level			CO pas	sing Mar	ks Out of	1 40	-					
	60 3			To provide same of the state of										
	50	2	-											
	40	1												
Press	Madarial Francisco		Andresia Versa 2022 2	3					Classe	MEG				
Course N	ame : Automobile Eng	ring	Examination - UT_LUT.	JI MICR	OPROJE	CT & M	SRTF Res	nlt	Semiste	r · Sixth				
Name of	Faculty : Mrs.Varpe S.	.G.		i, incre	ornoor		obil Ro		Course	Code : 226	56			
	· · ·			201		151								-00
Sr. No.	Enrolment No.	Name	of Student	UNIT 1	TEST-1		UNIT T	EST-2		MICROPROJECT MARKS		PR-PA	PR-ESE	MSBTE
		rive riddent		1	2	3	4 5 6		7		8	9		
		CO Wise Maximum Mar	ks	C656.1	C656.2	C656.3	C656.4	C656.5	C656.6	N	AP	D3	D4	MM
	Marks alloted			14	14	6	8	8	6	6	4	25	25	70
1	1503630147	GADIWAN LAXMAN I	AHANU	0	0	6	7	2	0	5	3	17	18	13
2	1703630216	SUMERU PATIL		AB	AB	0	0	0	0					
3	1903630200	KHORATE SURAJ RAN	ICHANDRA	AB	AB	3	3	4	2	5	3	15	18	33
4	2003630087	SASANE MANOJ SUNI	L	8	0	3	5	4	2	5	3	21	22	50
5	2003630092	THORAT PRATHMESH PRAVIN		8	2	4	4	4	0	5	2	17	19	32
6	2003630096	LANDGE ADITYA RAJ	LANDGE ADITYA RAJENDRA		0	6	4	5	0	5	2	15	18	17
7	2003630098	DHADGE ABHISHEK SATISH		8	2	0	4	2	4	5	3	17	19	50
8	2003630100	SHAIKH ALTMASH P	APA	14	2	5	4	6	0	5	4	22	21	49
9	2003630103	PAL AZAD RAMLAKH	AN	10	10	5	6	6	4	5	2	21	20	52
10	2003630104	GAWADE RUSHIKESI	I MAHADEV	13	3	5	7	4	0	5	4	22	22	40
11	2003630105	PALWADE DHANRAJ I	RAJENDRA	2	0	2	4	4	2	5	3	19	18	28
12	2003630108	SINDAGI AMIR JAKIR		7	2	2	2	4	2	5	3	18	17	28
13	2003630109	SOLAPURKAR ASMIT	MANVEL	0	0	0	0	0	0					
14	2003630110	SOLAPURKAR AMIT	MANVEL	0	0	0	0	-0	0					
15	2003630111	PATIL SUDESH NARAS	U.	1	0	4	4	4	4	5	4	12	17	18
16	2003630112	MANDHARE DHANAS	HREE KRUSHNA	4	3	6	6	4	4	5	4	22	22	37
17	2003630113	SHAIKH JUNAED AYU	J B	11	2	6	5	4	2	5	3	22	22	48
18	2003630115	KAMBLE ROHIT HAR	ISH	11	2	5	6	2	2	5	3	21	20	46
19	2003630116	POPALGHAT VIVEK U	TTAM	5	2	4	6	2	0	5	2	17	17	38
20	2003630117	BARMASE BHAVESH	MANOJ	6	6	4	6	2	2	5	4	22	21	41
21	2003630119	VYAVAHARE KAILAS	RAMESH	11	2	4	4	3	2	5	4	21	22	61
22	2003630120	SHAIKH ABID MUSTA	к	10	4	4	6	2	2	5	4	21	22	35
23	2003630122	SHINDE DEEPAK HAN	UMANT	AB	AB	2	4	4	2					
24	2103630140	KHORATE KRUSHNA	Г ТАНАЛІ	2	0	4	4	4	2	5	2	19	19	38
25	2103630141	SHINDE OMKAR MAH	ENDRA	4	2	0	4	4	2	5	2	18	18	28
26	2103630142	DHURDE AKASH GAJ	ANAN	9	2	4	2	2	1	5	3	20	17	AB
27	2103630143	MORE KIRAN NARAY	AN	8	2	6	4	2	0	5	3	21	20	55
28	2103630144	AWATI PARSHAV BAB	ASO	5	2	6	5	4	4	5	4	21	21	31
29	2103630145	SHAIKH SALMAN AM	AN	7	0	5	2	3	0	5	4	22	22	59

https://enba.nbaind.org/SARTemplates/eSARDiplomaPrint.aspx?Appid=8309&Progid=59#

Print

2.23		processor to ontractory of the subscreeners		11 20	1	22 1	22	1220	3332	1.1.2	1 21	10.2220	11:22	1 3935
30	2103630146	ZENDE AARYA KRANTIK	UMAR	9	4	4	6	2	2	5	4	21	22	34
31	2103630148	VISHWAKARMA RAHUL	AKHILESH	2	0	2	2	4	2	5	2	16	15	AB
32	2103630149	WAGHMARE MAHADEV	SHIVAJI	8	3	2	4	2	2	5	2	17	17	28
33	2103630151	PISAL AADITI SHANTARA	M	11	4	4	2	2	2	5	3	20	20	32
34	2103630152	BANSODE PRASHANT BA	LASAHEB	0	Z	4	4	4	2	5	3	19	19	15
35	2103630153	SONAR LALIT NARESH		10	5	4	4	4	2	5	3	18	20	43
36	2103630154	SARAF GAURAV PRAMO	D	9	0	4	3	2	1	5	3	19	19	52
37	2103630158	JADHAV AJAY GOPICHA	ND	9	4	4	4	4	2	5	3	19	18	45
38	2103630159	MORE SHIVAM VISHNUD	DAS	9	5	5	2	2	5	5	3	19	19	AB
39	2103630160	PATIL ROHIT HARI		13	2	2	4	2	2	5	3	19	20	64
40	2103630161	BABANAGAR GANESH M	ALLESH	0	2	6	4	2	2	5	3	20	18	28
41	2103630162	JADHAV PRITHVIRAJ SA	NJAY	2	2	4	2	4	2	5	3	20	18	42
42	2103630163	JADHAV SUNIL BABURA	0	5	2	0	8	4	0	5	3	20	19	33
43	2103630164	PATIL PRATAP MARUTI		2	0	6	2	4	2	5	3	21	18	AB
44	2103630165	SHELAR RAHUL GAUTAN	1	AB	AB	2	4	2	4	5	3	18	16	0
45	2103630166	PATHAK SHRIPAD DIGAN	MBAR	AB	AB	5	2	2	6	5	3	19	19	34
46	2103630168	GIRME AKSHAY SUNIL		8	1	2	4	2	0	5	3	19	17	1
47	2103630169	KALDANTE PRATIK SUNIL		2	2	0	2	2	2	5	3	17	15	AB
48	2103630170	DHOLE NAGANATH BHA	GAWAN	0	0	0	0	0	0					
49	2103630171	PATIL SACHIN BHAGAW	AN	10	4	4	6	2	2	5	3	19	20	61
50	2103630172	SHINDE ANIKET NIVRUT	TI	AB	AB	6	6	2	0	5	2	19	18	41
51	2103630173	PATIL KRISHNA ANAND		10	2	5	4	5	0	5	2	19	19	48
52	2103630174	HANDAL GANESH BABAS	SAHEB	9	-	2	4	4	0	5	2	21	18	40
				CO1	CO2	CO3	CO4	C05	<u>CO6</u>		MP	D3	D4	MSBTE
	No. of s	tudent Greater than Threshoul	d	27	2	35	36	25	8		48	48	48	36
	64-1	No. of student Present		44	44	48	-48	48	48		48	48	48	43
	%	o of No. of student attempt		61.36	4.55	72.92	75.00	52.08	16.67		100	100	100	83.72
		Attainment level		3	0	3	3	2	0		3	3	3	3
	Final Attainment leve	el of the co (by direct Assessment) in t	terms of level	3	0	3	3	2	0		3	3	3	3
	Final Attainment level	of the co (by direct Assessment) in ter	rms of level %	80.88	69.51	83.19	83.60	79.02	71.94					
				M						90 				
	,microproject,cont	inue accessment	2.13	Weig	htage giv	en to the	Internal ac	essment ,N	Micropro	oject,Contin	ue accessme	ent MicroProj	ect (30%)	0.64
Attainn	nent through MSBTE I	Exam & End semister Exam	3		W	Veightage	given to th	e MSBTF	examin:	ation & End	l semister E	sam (70%)		2.10
			Final Attainment le	evel of the co	urse (By	direct As	ssessement)						2.74

 $\% of No. of student Attempt \ge Internal threshold = \frac{No. of student \ge Internal threshold}{No. of student Present} \times 100$

= (8/10)*100= 80%

Example, for 1st and 2nd question in descriptive, 10 students attempted and out of which 8 students scored more than equal to threshold (i.e. 80% of 10 marks = 8 marks).

Print

Sample Calculation for CO,

- For Descriptive part, CO1 is tested in four descriptive questions in Unit test 1. In question 1, % of students scoring >= threshold is 20% and in question 2, % of students scoring >= threshold is 40%. Therefore, CO1 % of students scoring >= threshold is the average of the above i.e. 30%.
- For Objective part, % of students scoring >= threshold in the above parts will be considered in same manner for all the COs tested in that internal. i.e. 30.5% for objective will be same for CO1, CO2 and CO3.
- Based on the set attainment level, % of CO1 is converted to attainments. i.e. Internal attainment level of CO1 is 3 because our attainment criteria is already defined and same as find attainment level of CO2, CO3, CO4, CO5 & CO6.
- Descriptive & objective part are 20% of internal max marks, hence Descriptive & objective part attainments are multiplied by 0.2.
- For Micro-Project Part are 10% of internal marks, hence Micro-Project Part attainments are multiplied by 0.1.
- For external, as we are unaware of how many marks are secured by students on each question basis, we consider % of students scoring >= threshold for external as same for all COs.

For direct attainments are considered 30% of Internal and 70% of external attainments

Direct attainment of one course = (2*0.3) + (3*0.7) = 2.70

- For indirect, course exit survey is taken from 30% students on each Course on a scale of 0 to 3. Score given by each student are taken average for each CO.
- 80% and 20% are considered for direct and indirect for CO attainment.

CO Direct Attainment level of one course = (2.70*0.8) + (2.83*0.2) = 2.67

The process to evaluate each of the above components is described step by step:

Measuring Course Outcome attained through End Semester Examination (weightage 70%)

This part shall be calculated using the marks obtained by students in the Theory end semester examination and Practical end semester examination. The Theory end semester examination consists of 6 questions covering all the COs, out of which all questions need to be attempted by the students. The assessment shall be given in terms of marks obtained by the student in each CO. MSBTE Exam marks directly used in out of 70% marks. Theory end semester examination and Practical end semester examination included in all Cos for each course paper.

Measuring Course Outcome attained through Internal Unit Test Exams:-

The method used is as follows:

Step1: Check the answer sheets of all students and enter their marks in the excel format with each sub part of every question in separate column. Ex: 1 a, 1 b, 1 c etc. should all have a separate column.

Step2: For a CO, identify the questions belonging to it as mentioned against each question in the question paper.

Step3: Calculate the CO attainment percentage for each students by counting the number of students scoring above or equal to benchmark set and dividing by total no. of students taking the course, for each CO.

Step4: For each CO, Attainment level is assigned as explained.

Measuring CO Attainment through Micro-Project

The Micro-Project given includes all COs of the course. The assessment shall be given in terms of marks obtained by the student in each CO. The method used is as follows:

Step1: Check the Micro-Project of all students and enter their marks in the excel format with each sub part of every Part in separate column.

Step2: For a CO, identify the Part a, Part b belonging to it as mentioned against each question in the Micro-Project.

Step3: Calculate the CO attainment percentage for each students by counting the number of students scoring below or equal to the benchmark set and dividing by the total no. of students taking the course for each CO.

Step4: For each CO, the Attainment level is assigned according to the method as explained.

Measuring CO Attainment through Practical Continue Assessment:-

Print

The Practical continue assessment given includes all COs of the course. The assessment shall be given in terms of marks obtained by the student in each CO. The method used is as follows:

Step1: Check the practical of all students and enter their marks in the excel format with each Practical in separate column.

Step 2: Calculate the CO attainment percentage for each student by counting the number of students scoring below or equal to the benchmark set and dividing by the total no. of students taking the course for each CO.

Step3: For each CO, the Attainment level is assigned according to the method as explained.

Direct CO Attainment

Direct CO Attainment is calculated by giving specific weightage to the individual CO attainments of Theory and Practical End Semester Exam (70% weightage), Two Unit Test, Micro-Project and practical continue Assessment (30%).

Indirect CO Attainment

Indirect CO Attainment is evaluated based on a course exit survey in which students grade the Attainment COs as four Level 0, 1, 2, or 3.

Level 0 means CO is Not Attained,

Level 1 means CO is Weakly Attained,

Level 2 means CO is Moderately Attained, and

Level 3 means CO is Strongly Attainment.

Finally, the Indirect CO Attainment is taken as the average response of all the students.

ALL Course CO direct & Indirect Attainment Level (2020-21)

Cod	e Course Code	Course Name	CO Direct Attainment	CO Indirect Attainment	80% of CO Direct Attainment	20% of CO Indirect Attainment	Final CO Attainment
C10	1 22101	ENG	2.25	3.00	1.80	0.60	2.40
C10	2 22102	BSC	2.96	3.00	2.37	0.60	2.97
C10	3 22103	BMS	1.33	2.60	1.06	0.52	1.58
C10	4 22001	ICT	3.00	3.00	2.40	0.60	3.00
C10	5 22002	EGM	3.00	3.00	2.40	0.60	3.00
C10	6 22004	WPM	3.00	3.00	2.40	0.60	3.00
C10	7 22202	ASM	2.65	2.83	2.12	0.57	2.69
C10	8 22203	AME	1.84	3.00	1.47	0.60	2.07
C10	9 22206	AMP	1.95	3.00	1.56	0.60	2.16
C11	0 22207	EDR	2.66	2.80	2.13	0.56	2.69
C11	1 22009	BCC	3.00	3.00	2.40	0.60	3.00
C11	2 22010	MEW	3.00	3.00	2.40	0.60	3.00
C20	1 22306	SOM	3.00	2.83	2.40	0.57	2.97
C20	2 22310	BEE	2.93	3.00	2.34	0.60	2.94
C20	3 22337	TEN	3.00	2.67	2.40	0.53	2.93

C204	22341	MWD	2.57	3.00	2.06	0.60	2.66
C205	22342	EME	2.90	3.00	2.32	0.60	2.92
C206	22343	MEM	2.78	2.50	2.22	0.50	2.72
C207	22438	ТОМ	2.80	3.00	2.24	0.60	2.84
C208	22443	MEM	2.89	3.00	2.31	0.60	2.91
C209	22445	FMM	2.96	3.00	2.37	0.60	2.97
C210	22446	MPR	2.78	3.00	2.22	0.60	2.82
C211	22447	EST	2.95	3.00	2.36	0.60	2.96
C212	22042	CAD	3.00	3.00	2.40	0.60	3.00
C213	22048	FOM	3.00	3.00	2.40	0.60	3.00
C301	22509	MAN	2.60	3.00	2.08	0.60	2.68
C302	22562	PER	2.90	3.00	2.32	0.60	2.92
C303	22563	AMP	2.79	3.00	2.23	0.60	2.83
C304	22564	EMD	2.93	3.00	2.34	0.60	2.94
C305B	22566	PPE	2.89	2.67	2.31	0.53	2.85
C306	22053	SMA	3.00	3.00	2.40	0.60	3.00
C307	22057	ITR	3.00	3.00	2.40	0.60	3.00
C308	22058	CPP	3.00	3.00	2.40	0.60	3.00
C309	22652	ETM	2.87	3.00	2.30	0.60	2.90
C310	22655	IHP	2.85	2.50	2.28	0.50	2.78
C311	22656	AEN	2.90	3.00	2.32	0.60	2.92
C312	22657	IEQ	2.90	3.00	2.32	0.60	2.92
C313C	22661	RET	2.90	3.00	2.32	0.60	2.92
C314	22032	EDE	3.00	3.00	2.40	0.60	3.00
C315	22060	CPE	3.00	3.00	2.40	0.60	3.00

ALL Course CO direct & Indirect Attainment Level (2021-22)

Code	Course Code	Course Name	CO Direct Attainment	CO Indirect Attainment	80% of CO Direct Attainment	20% of CO Indirect Attainment	Final CO Attainment
C101	22101	ENG	2.46	2.83	1.97	0.57	2.53
C102	22102	BSC	2.12	3.00	1.70	0.60	2.30
C103	22103	BMS	0.50	3.00	0.40	0.60	1.00
C104	22001	ICT	3.00	2.60	2.40	0.52	2.92
C105	22002	EGM	3.00	3.00	2.40	0.60	3.00
C106	22004	WPM	3.00	3.00	2.40	0.60	3.00
C107	22202	ASM	2.90	3.00	2.32	0.60	2.92

C108	22203	AME	1.54	3.00	1.23	0.60	1.83
C109	22206	AMP	1.30	3.00	1.04	0.60	1.64
C110	22207	EDR	2.18	2.50	1.74	0.50	2.24
C111	22009	BCC	3.00	3.00	2.40	0.60	3.00
C112	22010	MEW	3.00	3.00	2.40	0.60	3.00
C201	22306	SOM	1.39	3.00	1.11	0.60	1.71
C202	22310	BEE	1.61	3.00	1.29	0.60	1.89
C203	22337	TEN	1.43	3.00	1.14	0.60	1.74
C204	22341	MWD	1.56	3.00	1.25	0.60	1.85
C205	22342	EME	1.69	2.83	1.35	0.57	1.92
C206	22343	MEM	1.95	3.00	1.56	0.60	2.16
C207	22438	ТОМ	2.81	3.00	2.25	0.60	2.85
C208	22443	MEM	1.98	3.00	1.58	0.60	2.18
C209	22445	FMM	1.31	2.50	1.05	0.50	1.55
C210	22446	MPR	1.56	3.00	1.25	0.60	1.85
C211	22447	EST	3.00	3.00	2.40	0.60	3.00
C212	22042	CAD	3.00	2.57	2.40	0.51	2.91
C213	22048	FOM	3.00	3.00	2.40	0.60	3.00
C301	22509	MAN	3.00	3.00	2.40	0.60	3.00
C302	22562	PER	1.39	2.50	1.11	0.50	1.61
C303	22563	AMP	1.54	3.00	1.23	0.60	1.83
C304	22564	EMD	1.76	2.67	1.41	0.53	1.94
C305B	22566	PPE	2.89	3.00	2.31	0.60	2.91
C306	22053	SMA	3.00	2.83	2.40	0.57	2.97
C307	22057	ITR	3.00	3.00	2.40	0.60	3.00
C308	22058	CPP	3.00	3.00	2.40	0.60	3.00
C309	22652	ETM	2.30	2.83	1.84	0.57	2.41
C310	22655	IHP	1.76	3.00	1.41	0.60	2.01
C311	22656	AEN	2.74	2.67	2.19	0.53	2.73
C312	22657	IEQ	2.04	3.00	1.63	0.60	2.23
C313C	22661	RET	2.79	3.00	2.23	0.60	2.83
C314	22032	EDE	3.00	3.00	2.40	0.60	3.00
C315	22060	CPE	3.00	3.00	2.40	0.60	3.00
		ALL Course CO	direct & Indire	ect Attainment	Level (2022-23	3)	
Code	Course Code	Course Name	CO Direct Attainment	CO Indirect Attainment	80% of CO Direct Attainment	20% of CO Indirect Attainment	Final CO Attainment

25/11/2023, 1	11:19
---------------	-------

C101	22101	ENG	2.46	3.00	1.97	0.60	2.57
C102	22102	BSC	2.12	3.00	1.70	0.60	2.30
C103	22103	BMS	0.50	3.00	0.40	0.60	1.00
C104	22001	ICT	3.00	3.00	2.40	0.60	3.00
C105	22002	EGM	3.00	2.73	2.40	0.55	2.95
C106	22004	WPM	3.00	3.00	2.40	0.60	3.00
C107	22202	ASM	2.90	3.00	2.32	0.60	2.92
C108	22203	AME	1.54	3.00	1.23	0.60	1.83
C109	22206	AMP	1.30	3.00	1.04	0.60	1.64
C110	22207	EDR	2.18	2.50	1.74	0.50	2.24
C111	22009	BCC	3.00	3.00	2.40	0.60	3.00
C112	22010	MEW	3.00	3.00	2.40	0.60	3.00
C201	22306	SOM	1.39	3.00	1.11	0.60	1.71
C202	22310	BEE	1.61	3.00	1.29	0.60	1.89
C203	22337	TEN	1.43	3.00	1.14	0.60	1.74
C204	22341	MWD	1.56	3.00	1.25	0.60	1.85
C205	22342	EME	1.69	3.00	1.35	0.60	1.95
C206	22343	MEM	1.95	3.00	1.56	0.60	2.16
C207	22438	TOM	2.81	2.50	2.25	0.50	2.75
C208	22443	MEM	1.98	3.00	1.58	0.60	2.18
C209	22445	FMM	1.31	3.00	1.05	0.60	1.65
C210	22446	MPR	1.56	3.00	1.25	0.60	1.85
C211	22447	EST	3.00	3.00	2.40	0.60	3.00
C212	22042	CAD	3.00	2.57	2.40	0.51	2.91
C213	22048	FOM	3.00	3.00	2.40	0.60	3.00
C301	22509	MAN	3.00	2.83	2.40	0.57	2.97
C302	22562	PER	1.39	3.00	1.11	0.60	1.71
C303	22563	AMP	1.54	3.00	1.23	0.60	1.83
C304	22564	EMD	1.76	2.83	1.41	0.57	1.97
C305B	22566	PPE	2.89	2.67	2.31	0.53	2.85
C306	22053	SMA	3.00	3.00	2.40	0.60	3.00
C307	22057	ITR	3.00	3.00	2.40	0.60	3.00
C308	22058	CPP	3.00	3.00	2.40	0.60	3.00
C309	22652	ETM	2.30	3.00	1.84	0.60	2.44
C310	22655	IHP	1.76	3.00	1.41	0.60	2.01
C311	22656	AEN	2.74	3.00	2.19	0.60	2.79
C312	22657	IEQ	2.04	3.00	1.63	0.60	2.23

25	/11/2023, 11:	:19						Print			
	C313C	22661	RET	2.79	2.83	2.23	0.57	2.80			
	C314	22032	EDE	2.40	3.00	1.92	0.60	2.52			
	C315	22060	CPE	2.46	3.00	1.97	0.60	2.57			

3.3 Attainment of Program Outcomes and Program Specific Outcomes (40)

Total Marks 40.00

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

A. List of assessment tools and process:

1. PO and PSO Assessment Tools:-

The various direct and indirect assessment tools used to evaluate POs & PSOs and the frequency with which the assessment processes are carried out are listed in table.

PO and PSO Assessment Tools							
	CO Assessment	Theory	Internal Evaluation	Unit Test 1 &2	Twice per course		
				Assignments	Twice per course		
.			MSBTE Exam		Once per course		
Direct (80% weightage)		Practical's	Internal Evaluation	Continuous Assessment	Every lab		
			MSBTE Exam	Once per course			
		Micro project	Internal Evaluation -	One per course			
			Report	Once per			
Indirect	Surveys	Program Exit	At the end of the Program				
(20%Weightage)		Alumni Surve	Once per year				

Table:- Assessment tools used for evaluation of PO and PSO attainment.

2. PO and PSO Assessment Process:-

PO/PSO assessment is done by giving 80% weightage to direct assessment and 20% weightage to indirect assessment. Direct assessment is based on CO attainment, where 70% weightage is given to attainment through MSBTE exam and 30% weightage is given to attainment through internal assessments. Indirect assessment is done through Program exit survey and alumni survey where Program exit survey and alumni survey is given a weightage of 50% each.






B. Quality/relevance of assessment tools and processes:

i. Direct Assessment Tools and Process:

Direct assessment tools are used for the direct assessment of POs and PSOs. Initially, the attainment of each course outcome is determined using internal as well as external (MSBTE exam) assessment. The each PO attainment of corresponding to a particular course is determined from the attainment values obtained for each course outcome related to that PO and the CO-PO mapping values. Similarly, the values of PSO attainment are also determined.

ii. Indirect Assessment Tools and Process:

Indirect assessment is done through program exit survey, alumni survey where program exit survey and alumni survey are given a weightage of 50% each and alumni survey is given a weightage of 50%.

Print

1. Program Exit Survey:

Identify the degree to which the facilities at helped your ward to develop the skills and abilities to be successful in his professional life with (a) High-3 (b) Moderate -2 (c) Low-1 (d) No -0.

POs	Information	Grade
PO1	Basic and Discipline specific knowledge	
PO2	Problem analysis	
PO3	Design/ development of solutions	
PO4	Engineering Tools, Experimentation and Testing	
PO5	Engineering practices for society, sustainability and environment	
PO6	Project Management	
PO7	Life-long learning	

PSOs	Information	Grade
PSO1	Modern Software and Hardware Usage	
PSO2	Equipment and Instruments	
PSO3	Mechanical Engineering Processes	

PEOs	Information	Grade
PEO1	Provide socially responsible, environment friendly solution to computer engineering related broad -based problems adapting professional ethics.	
PEO2	Adapt state-of-the-art computer engineering broad-based technologies to work in multi- disciplinary work environments.	
PEO3	Solve broad-based problems individually and as a team member communicating effectively in the world of work.	

<u>Program Exit Survey Form</u>

 الاستان العالية المستان المستان الحكمة الح

Print

Instruction: Tick (?) any one out of four options listed below each question.

Q.1 Attain ability to apply knowledge of basic mathematics, science and engineering fundamental appropriate to domain.

a) Excellent. b) Good c) Satisfactory solutions of varying d) Poor complexities.

Q.2 Apply their software development skill to design and implement commercial systems consisting of hardware and/or software.

a) Excellent b) Good c) Satisfactory d) Poor

Q.3 Have ability to design and develop solutions for varying complexities

a) Excellent b) Good c) Satisfactory d) Poor

Q.4 Attain ability to practice as competent computer professional with yearn for learning and employing technologies.

a) Excellent b) Good c) Satisfactory d) Poor

Q.5 Have ability to design a system, component or process to meet desired needs within realistic constraints such as cost environmental societal health and safety maintenance and feasibility.

a) Excellent b) Good c) Satisfactory d) Poor

Q.6 Have ability to work as team in diverse social and professional environments

a) Excellent b) Good c) Satisfactory d) Poor

Q.7 Have ability to recognize the need for life-long learning, and pursue higher education as per the needs of the current and future professional practice.

a) Excellent b) Good c) Satisfactory d) Poor

Q.8 Have ability to use technologies for simple design, drafting, manufacturing, maintenance?

a) Excellent b) Good c) Satisfactory d) Poor

Q.9 Have ability to maintain and select appropriate machine, equipment?

a) Excellent b) Good c) Satisfactory d) Poor

Q.10 Have ability to Manage the mechanical process by selection and scheduling right type?

a) Excellent b) Good c) Satisfactory d) Poor

Signature of Student_____

Relation of POs and PSOs with questionnaire:

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
Questions	Q.1	Q.2	Q.3	Q.4	Q.5	Q.6	Q.7	Q.8	Q.9	Q.10

Evaluation Process:-

The questionnaire consists of 10 questions which is relevant for assessing each PO and PSO. Each question is having 4 options namely Very Good, Good, Average and Poor, which is given marks 3,2,1,0 respectively. These survey results are tabulated and the average values corresponding to each PO and PSO are determined.

POs	Questions	Justification

PO1	Q1	Related to basic sciences
PO2	Q2	Related to identification and analysis processes
PO3	Q3	Related to design and development solution.
PO4	Q4	Related to use of recent techniques and tools
PO5	Q5	Related as professional ethics.
PO6	Q6	Related as team work
PO7	Q7	Related as lifelong learning.
PSO1	1.1	Related as use of Hardware and software
PSO2	1.2	Related as maintain equipment and instrument.
PSO3	1.3	Related to Mechanical engineering processes.

2. Alumni Survey:

Evaluation of Program Effectiveness: identify the degree to which your program helped you to develop the skills and abilities to be successful in your professional life with (a). High- 3(b) Moderate -2 (c) Low-1 (d) Poor-0.

S. No	Program Specification	Grade
1	Application of Engineering fundamentals	
2	Problem solving capability	
3	Designing capability for specific Engineering needs	
4	Usage of modern tools in engineering.	
5	Engineering practice with social responsibility & Understanding of development with sensitivity to environment	
6	Managerial skills and finance handling capability & Team work & leadership skills	
7	Ability to engage in independent and Lifelong learning.	

S. No	Suggestions	Yes/No
1	Can you suggest any technical content that would augment existing curriculum?	
2	Suggest how RMDIOT can help, improve the placement opportunities for its students.	
3	Specify tools / Novel Technologies needed to meet the current Job requirements.	

Print

4	Have you received any award / recognition in your professional career?					
5	5 Have you published any research / technical paper in your profession?					
6	Will you recommend your relative/friends to enroll in RMDIOT?					
7	Would you like to associate with the Institute / Department in any of the following; (a) Project (b) Training Students (c) Expert Lectures / Workshops (d) Consultancy (e) Industrial Visits (f) Placement					
<u>Alumini Survey Fo</u>						



Dear Alumni,

Following are the guidelines for your valuable feedback on Program Outcomes (PO) and Program Specific Outcomes (PSO).

Program Outcomes:

The Program Outcomes are the skills and knowledge which the students acquire at the program of graduation. The outcomes essentially indicate performance of student from course-wise knowledge

Print

	3: Substantial (High)	2: Moderate (Medium)	1:5	Slight (Low)
PO	Program Outcon	ies	Points on scal	le of 1-3	Comments (if any)
1	Apply knowledge of basic mathe engineering fundamentals and engin to solve the engineering problems.				
2	Identify and analyse well-defined e using codified standard methods.				
3	Design solutions for well-defined te assist with the design of systems con to meet specified needs.				
4	Apply modern engineering tool technique to conduct standard tests a	ls and appropriate and measurements			
5	Apply appropriate technology in sustainability, environment and ethic	context of society, cal practices			
6	Use engineering management princ a team member or a leader to n effectively communicate about well activities.	iples individually, as nanage projects and -defined engineering			
7	Ability to analyse individual neu updating in the context of technolog	eds and engage in ical changes.			

Could you identify any topic(s) /course(s) (subjects) during your tenure which would have more beneficial to your present position and/or to be included in the academic schedule?

Program Specific Outcomes (PSO):-

To what extent the following Program Specific Outcomes (PSO) were fulfilled? For each of the Specific Outcomes (PSO) given below scale on 1-3.

Your assessment-	Substantial (High) 3	Moderate (Medium) 2	Slight (Low) 1
Program Specific Outcomes (PSO's)			
1.1 Use state of the art technologies for operations and application of computer software and hardware			
1.2 Maintenance computer Engineering related software and hardware systems.			

DATE:

required during the program. Program Specific Outcomes (PSO):

These are specific skills and knowledge which the students Acquire at the of graduation. The outcomes essentially indicate performance of student from program specific knowledge acquired during the program. Each of the Program Outcomes (PO) (1-7) and PSO (8-10) given below, describes acquired skills and knowledge of core engineering field on the scale of 1-3. Kindly rate POS and PSOS and comment if any.

Indirect Attainment:

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
Program Exit Survey		Attainment values of Program Exit Survey								
Alumni Survey				Attainme	ent values	of Alumn	i Survey			
Overall Attainment	IA ₁	IA ₂	IA ₃	IA ₄	IA ₅	IA ₆	IA ₇	IA ₈	IA9	IA ₁₀

Indirect Attainment IA= 50% attainment of Program Exit survey + 50% attainment of Alumni survey.

Overall PO and PSO Attainment

Finally, overall PO attainment values are computed by adding direct and indirect PO attainment values in the proportion of 80:20 respectively i.e., 80% weightage for direct assessment and 20% for indirect assessment.

Overall Attainment of POs,

OA = 80% of DA + 20% of IA

Where, DA - Direct Attainment of each PO,

IA - Indirect Attainment of each PO,

OA - Overall Attainment.

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
Direct Attainment	DA ₁	DA ₂	DA ₃	DA ₄	DA ₅	DA ₆	DA ₇	DA8	DA9	DA10
Indirect Attainment	IA ₁	IA ₂	IA ₃	IA ₄	IA ₅	IA ₆	IA ₇	IA ₈	IA9	IA ₁₀
Overall Attainment	OA ₁	OA2	OA3	OA4	OA5	OA6	OA7	OA8	OA9	OA10

Print

PLACE

SIGNATURE OF ALUMNI

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

30.00

25/11/2023,	11:19
-------------	-------

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	P07
C101	0.80	0.00	0.00	0.73	0.67	0.83	0.85
C102	1.00	1.00	1.00	0.75	0.90	1.00	0.90
C103	0.79	1.00	1.00	0.75	0.00	0.00	0.00
C104	3.00	0.00	0.00	3.00	3.00	3.00	3.00
C105	3.00	3.00	3.00	3.00	0.00	3.00	3.00
C106	3.00	3.00	3.00	3.00	0.00	3.00	3.00
C107	2.88	2.86	2.83	2.89	2.90	2.89	2.86
C108	1.13	1.17	1.24	1.20	1.33	1.10	1.00
C109	1.60	1.25	1.25	1.60	2.00	0.00	0.00
C110	0.45	0.71	0.71	0.46	0.67	0.60	0.67
C111	3.00	0.00	0.00	3.00	3.00	3.00	3.00
C112	3.00	3.00	3.00	2.73	0.00	3.00	3.00
C201	0.53	0.65	0.65	0.80	0.00	0.00	0.75
C202	0.86	1.00	0.67	1.40	1.40	1.56	0.86
C203	0.71	0.86	0.86	0.53	0.20	3.00	1.00
C204	1.07	1.25	1.20	1.25	1.00	1.20	1.13
C205	2.00	1.69	1.75	1.83	1.80	1.83	1.83
C206	3.00	3.00	3.00	0.00	0.00	0.00	0.00
C207	2.00	2.29	2.17	3.00	0.00	0.00	2.17
C208	1.50	1.56	1.56	1.59	0.00	0.00	0.00
C209	0.17	0.17	0.33	0.21	0.00	0.00	0.27
C210	1.20	1.20	1.20	1.25	0.00	0.00	1.20
C211	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C212	3.00	3.00	3.00	3.00	3.00	3.00	3.00

Print

C213	3.00	3.00	3.00	3.00	0.00	0.00	3.00
C301	3.00	3.00	3.00	0.00	3.00	3.00	3.00
C302	0.40	0.45	0.33	0.67	0.00	0.00	0.00
C303	1.20	1.18	1.20	1.00	0.00	0.00	0.00
C304	2.17	2.20	2.21	0.00	0.00	0.00	2.07
C305B	2.50	2.43	2.43	2.40	2.75	0.00	2.38
C306	3.00	3.00	3.00	3.00	0.00	0.00	3.00
C307	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C308	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C309	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C310	2.27	2.17	0.00	2.17	2.00	0.00	2.38
C311	1.75	1.85	1.83	1.75	2.00	0.00	1.71
C312	1.80	1.75	1.85	1.85	2.40	0.00	1.93
C313C	1.67	1.60	1.67	1.50	1.67	0.00	1.67
C314	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C315	3.00	3.00	3.00	3.00	3.00	3.00	3.00

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	P07
Direct Attainment	2.01	1.86	1.80	1.83	1.34	1.33	1.82
InDirect Attainment	1.27	1.25	1.23	1.24	1.06	0.80	1.23
PO Attainment	1.86	1.74	1.69	1.71	1.28	1.22	1.70

PSO Attainment

Print

Course	PSO1	PSO2	PSO3
C101	1.20	0.00	0.00
C102	0.82	1.00	1.00
C103	0.00	0.00	0.00
C104	3.00	0.00	0.00
C105	3.00	0.00	0.00
C106	3.00	3.00	3.00
C107	3.00	2.92	2.92
C108	1.00	0.71	1.30
C109	3.00	3.00	0.00
C110	0.57	0.00	0.67
C111	3.00	3.00	3.00
C112	3.00	3.00	3.00
C201	1.00	1.00	0.33
C202	1.00	2.25	0.86
C203	0.77	0.89	1.00
C204	1.20	1.13	1.13
C205	1.73	1.58	1.83
C206	3.00	3.00	0.00
C207	2.00	3.00	2.17
C208	3.00	3.00	0.00
C209	0.17	0.23	0.00
C210	1.20	1.20	1.20
C211	3.00	3.00	3.00
C212	3.00	3.00	3.00
C213	3.00	3.00	3.00
C301	3.00	0.00	3.00

C302	0.46	0.67	0.00
C303	1.17	1.17	1.17
C304	2.17	0.00	2.07
C305B	2.54	2.75	2.38
C306	3.00	3.00	3.00
C307	3.00	3.00	3.00
C308	3.00	3.00	3.00
C309	3.00	3.00	3.00
C310	2.27	2.17	2.18
C311	2.20	1.75	1.75
C312	1.62	1.85	1.80
C313C	1.73	0.00	1.67
C314	3.00	3.00	3.00
C315	3.00	3.00	3.00

PSO Attainment Level

Course	PSO1	PSO2	PSO3
Direct Attainment	2.10	1.78	1.66
InDirect Attainment	1.30	1.24	1.22
PSO Attainment	1.94	1.67	1.57

4 STUDENTS' PERFORMANCE (200)

Total Marks 123.41

Intake Information:

Table 4.1

Item	2022-23 (CAY)	2021-22 (CAYm1)	2020-21 (CAYm2)	2019-20 (CAYm3)	2018-19 (CAYm4)	2017-18 (CAYm5)
Sanctioned intake strength of the program((N)	60	60	60	60	60	60
Total number of students, admitted through state level counseling (N1)	60	49	35	43	30	49
Number of students, admitted through Institute level quota (N2)	0	0	0	0	0	0
Number of students, admitted through Lateral Entry (N3)	0	18	35	26	39	37
Total number of students admitted in the programme(N1 + N2 + N3)	60	67	70	69	69	86

Table 4.2

Voor of ontry	Total No of students admitted in the pressure (N4 + N2 + N2)	Number of students who have successfully passed without backlogs in any year of study					
rear of entry	Total No of students admitted in the program (NT + N2 + N3)	l year	ll year	III year			
2022-23	60	0	0	0			
2021-22	67	6	0	0			
2020-21	70	17	7	0			
2019-20 (LYG)	69	20	43	21			
2018-19 (LYGm1)	69	2	13	13			
2017-18 (LYGm2)	86	1	2	2			

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]					
		l year	ll year	III year			
2022-23	60	0	0	0			
2021-22	67	33	0	0			
2020-21	70	29	44	0			
2019-20 (LYG)	69	39	62	25			
2018-19 (LYGm1)	69	21	45	44			
2017-18 (LYGm2)	86	17	18	17			

4.1 Enrolment Ratio (20)

Total Marks 18.00

Institute Marks

	N (From Table 4.1)	N1 + N2 (From Table 4.1)	Enrollment Ratio [(N1 + N2 / N)*100]
2022-23	60	60	100.00
2021-22	60	49	81.67
2020-21	60	35	58.33

Average [(ER1 + ER2 + ER3) / 3]: 80.00

Assessment: 18.00

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

Total Marks 14.80

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

Print

			1
Item	Last Year Graduate (2019-20)	Last Year Graduate Minus 1 Batch (2018-19)	Last Year Graduate Minus 2 Batch (2017-18)
Total Number of students (X) (admitted through state level counseling + admitted through Institute on Level quota + admitted through Lateral entry) (N1 + N2 + N3)	69.00	69.00	86.00
Number of students who have graduated without backlogs in the stipulated period (Y)	21.00	13.00	2.00
Success Index [SI = Y / X]	0.30	0.19	0.02

Average SI [(SI1 + SI2 + SI3) / 3] : 0.17

Assessment [40 * Average SI]: 6.80

4.2.2 Sucess rate in stipulated period (20)

Institute Marks

8.00

Print

Item	Latest Year of Graduation, LYG (2019-20)	Latest Year of Graduation minus 1, LYGm1 (2018-19)	Latest Year of Graduation minus 2 LYGm2 (2017-18)
Total Number of students (X) (admitted through state level counseling + admitted through Institute on Level quota + admitted through Lateral entry) (N1 + N2 + N3)	69.00	69.00	86.00
Number of students who have passed in the stipulated period (Y)	25.00	44.00	17.00
Success Index [SI = Y / X]	0.36	0.64	0.20

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

Assessment [20 * Average SI]: 8.00

4.3 Academic Performance in First Year (25)

Total Marks 13.74

Institute Marks

13.74

Academic Performance	2021-22 (CAYm1)	2020-21 (CAYm2)	2019-20 (LYG)
Mean of CGPA or mean percentage of all successful students(X)	6.71	6.87	6.92
Total number of successful students(Y)	33.00	29.00	39.00
Totalnumber of students appeared in the examination(Z)	49.00	35.00	43.00
API [X*(Y/Z)]:	4.52	5.69	6.28

Average API [(AP1 + AP2 + AP3)/3] : 5.50

Assessment [2.5 * AverageAPI]: 13.74

4.4 Academic Performance in Second Year (20)

Total Marks 10.99

.

Academic Performance	2020-21(CAYm2)	2019-20(LYG)	2018-19(LYGm1)
Mean of CGPA or mean percentage of all successful students(X)	6.89	7.26	6.43
Total number of successful students (Y)	44.00	62.00	45.00
Total number of students appeared in the examination (Z)	64.00	65.00	60.00
API [X * (Y/Z)]	4.74	6.92	4.82

Average API [(AP1 + AP2 + AP3)/3] : 5.49

Assessment [2.0 * AverageAPI]: 10.99

4.5 Academic Performance in Final Year (15)

Total Marks 9.48

Institute Marks

9.48

Academic Performance	2019-20 (LYG)	2018-19 (LYGm1)	2017-18(LYGm2)
Mean of CGPA or mean percentage of all successful students(X)	7.29	7.93	8.76
Total number of successful students(Y)	25.00	44.00	17.00
Totalnumber of students appeared in the examination(Z)	62.00	45.00	18.00
API [X*(Y/Z)]:	2.94	7.75	8.27

Average API [(AP1 + AP2 + AP3)/3] : 6.32

Assessment [1.5 * AverageAPI]: 9.48

4.6 Placement and Higher Studies (40)

Total Marks 36.40

Print

Item	2019-20 (Last Year Graduate,LYG)	2018-19 (Last Year Graduate Minus 1 Batch,LYGm1)	2017-18 (Last Year Graduate Minus 2 Batch,LYGm2)	
Total No of Final Year Students(N)	62.00	45.00	18.00	
No of students placed in the companies or goverment sector(X)	18.00	30.00	12.00	
No of students admitted to higher studies (Y)	7.00	12.00	4.00	
No. of students turned entrepreneur in the respective field of engineering/technology (Z)	0.00	2.00	1.00	
Placement Index [((1.25 * X) + Y + Z) / N] :	0.48	1.14	1.11	

Average Placement [(P1 + P2 + P3)/3] : 0.91

Assessment [40 * Average Placement] : 36.40

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 : Computer Engg.

Assessment Year : 2021-22 (CAYm1)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	Mujawar Amaan Nazir	1903630003	Onkar Diesel Work India Pv	627
2	Mishra Abhishek Rambhusł	1903630005	Amphenol Interconnect Ind	S3117
3	Joshi Varad Sandeep	1903630011	Solar Square	112
4	Chawan Parth Amit	1903630012	FACC Solutions Pvt Ltd	2030
5	Chaudhary Nilesh Pandit	1903630014	Skoda Volkswagon	40035129
6	Kumbhar Rohan Shrikant	1903630016	Bajaj Auto Ltd	6482735
7	Sonavane Siddhant Niteen	1903630024	TATA Motors	527778
8	Nimbalkar Sujayraje Mahes	1903630027	TATA Motors	527779
9	Petkar Mayur Balkrishna	1903630029	Corrodyne Coatings Pvt Ltd	017
10	Fakir Quasim Abdulkadir	1903630045	Amphenol Interconnect Ind	S3122
11	Surve Akash Santosh	2003630130	Inclined Engineering & Con	E2017005
12	Jadhav Malhari Appaso	2003630131	Suyog Autocast Pvt Ltd	SACPL/HR/2022-23
13	Patkulkar Akshay Abhimany	2003630132	Patil Automation Pvt Ltd	SSES-305
14	Hudekar Suraj Kailas	2003630133	Bajaj Auto Ltd	121634
15	Dalvi Avinash Mahadev	2003630140	Bajaj Auto Ltd	60025
16	Naikare Sachin Shrikant	2003630143	Amphenol Interconnect Ind	019
17	Konade Saurabh Laxman	2003630144	TATA Motors	527414
18	Patil Arvind Ravalu	2003630145	Amison	012

Assessment Year : 2020-21 (CAYm2)

Print

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	Sagar Bhikan Badgujar	1903630190	REMEDIES PRIVATE LIMI1	3095
2	Sanjay Janardan Kotlapure	1903630194	INTO WELLNESS PVT. LTI	IWPL15
3	Bhanudas pandurang bodd	1903630195	SODEXO INDIA SERVICES	59500
4	Pravin Katyappa Kamble	1903630198	ASCENT CASTINGS TECH	3306910136
5	Faizal Inamdar	1903630199	ASCENT CASTINGS TECH	223
6	Prajkta shinde	1903630203	ENPRO Industries,Pune	2665
7	Prathmesh mangesh mane	1903630204	SCHINDLER INDIA PVT LT	649
8	Swapnil Raju Pawar	1903630206	volkswagan india private lin	660223
9	Vikram dattatray torne	1903630207	volkswagan india private lin	660220
10	Supresh Suresh Sawant	1903630211	PMV industries , bhosri	007
11	Parmeshwar chandoba kiro	1903630215	Leadec India Pvt Ltd	011
12	Suraj Vinod Paul	1903630218	TATA Motors Limited	592142
13	Kaiser Altaf Sayyad	1903630219	SKF India Ltd Chinchwad	AP00152
14	Suryawanshi Dipak Walmik	1903630220	Tata Advanced System Ltd	4510
15	Trupti Jalindar Vitekar	1903630221	ENPRO Industries,Pune	2671
16	Kamini Kadu Gudade	1903630222	Sky moto Jeep & Fiat	019
17	Vikas arvind Chavan	1903630223	FRAMES Process and Ene	FI251
18	Akshay Jitendra Phadatare	1903630224	KSB Limited	2905910
19	Dain Akshay Yuvraj	1903630225	AETHRONE AEROSPACE	00113
20	Chandrabodhi Bansi Shirsa	1803630058	volkswagan india private lin	00031849
21	Kshirsagar Pradip Sharad	1803630059	volkswagan india private lin	00031830
22	Nikhil Raosaheb Gaikwad	1803630068	supreme enterprises bhosri	013

23	Nilesh annasaheb jadhav	1803630071	stanleyblack and Decker	SBD3448
24	Sahil paigambar Patel	1803630073	GE Aviation	223045410
25	Rutwik Sanjay Godagepatil	1803630074	TATA Motors Limited	742182
26	Deepesh Suresh Ghadawal	1803630076	GE Aviation	223049599
27	Abhijeet Surykant Shingare	1803630077	GULLCO International Pvt I	TS11
28	Sinnurkar tejas Shashikant	1803630078	SKF India Ltd Chinchwad	AP00212
29	Shreyash sanjay sawai	1803630084	Wellmade Locking System	011
30	Vaibhav Manik Somwanshi	1803630085	TATA Motors Limited	742193

Assessment Year : 2019-20 (CAYm3)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	MASKE KUNAL KRISHNAF	1703630193	BOSCH	C2338
2	GOSAVI ANIKET RAJENDF	1703630194	BOSCH	C2339
3	GANDHI KARAN ABHAY	1703630195	Concentrix	752074
4	BHOGAN OMKAR SHIVAJI	1703630212	Cummins	SF694
5	WAGHOLE PRANOTI CHA	1703630226	Skoda Volkswagen	611019
6	SABLE KUNAL BABAN	1703630228	SKF India Ltd Chinchwad	AP02114
7	BAKARE AKSHAY SANJAY	1803630091	Thermax India Ltd	2887
8	PARAB MANGESH PRADII	1803630096	Cotamac	013
9	SARODE NIKHIL PRAMOE	1803630099	Thermax India Ltd	2897
10	PANHALKAR PRAVIN BAL	1803630113	JCB	2651
11	WAGH ONKAR RAMDAS	1803630114	Poonawala Biotechnology F	TC-0316
12	MADURE AISHAWARYA SI	1803630121	Thermax India Ltd	2913

4.7 Professional Activities (20)

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

A. Availability of Professional Societies/Chapters & Relevant activities (5) Institute Marks 5.00 Professional activities offer students the opportunity to build leadership skills, get latest knowledge from experts and attend seminars. Mechanical Department has participated in Professional activities under MESA.

Print

Table No. 4.7.1.1

Professional Organization	No. of Students
MESA	SY and TY Students

B. Number, quality of engineering events (5)

Institute Marks

5.00

Academic Year 2022-23

Table No. 4.7.1.2

Sr. No	Date	Event	Details
01	21/02/2023	Paper Presentation	State Level Technical Paper Presentation to improve presentation skills of students.
02	21/02/2023	Project Competition	State level Project competition is organized for mechanical final year students.
03	21/02/2023	Poster Presentation	State Level Technical Poster Presentation to improve imagination and presentation skills of students.

Academic Year 2021-22

Table No. 4.7.1.3

Sr. No	Date	Event	Details
01	14/03/2022	Paper Presentation	State Level Technical Paper Presentation to improve presentation skills of students.
02	15/03/2022	Quiz Competition	State level Quiz competition is organized for mechanical students.
03	14/03/2022	Poster Presentation	State Level Technical Poster Presentation to improve imagination and presentation skills of students.

Academic Year 2019-20

Table No. 4.7.1.4

Sr. No	Date	Event	Details
01	10/02/2020	Paper Presentation	State Level Technical Paper Presentation to improve presentation skills of students.
02	10/02/2020	Mini Project Competition	State level Mini Project competition is organized for mechanical Engineering students.

Academic Year 2018-19

Table No. 4.7.1.5

Sr. No	Date	Event	Details
01	10/01/2019	Paper Presentation	State Level Technical Paper Presentation to improve presentation skills of students.

Academic Year 2017-18

Table No. 4.7.1.6

01 10/01/2018 Dense Descentation State Level 7	
skills of stud	echnical Paper Presentation to improve presentation ents.

4.7.2 Publication of technical magazines, newsletters, etc. (5)

A. Quality & Relevance of the contents and Print Material (3)

Institute Marks

Institute Marks

3.00

"TECH NEST" is yearly published college magazine which consists of 3 sections English, Hindi and Marathi. "TECH YUVA" is half yearly published News letter which covers all the technical activities as well as social activities of students as well faculty members.

Table No. 4.7.2.1

Sr. No.	Name of Magazine/News Letter	Year of Publication	Name of Editor
01	TECH NEST	2017	Mrs. A. A. Deshpande
02	TECH NEST	2018	Mrs. A. A. Deshpande
03	TECH NEST	2019	Mrs. S. V. Waghmare
04	TECH YUVA	Jan 2023	Mr. A. A. Jain
05	TECH YUVA	June 2023	Mr. A. A. Jain

B. Participation of Students from the program (2)

Institute Marks

The students of Mechanical Engineering are actively participated in activities. Most of students given technical articles as well as general articles to the college magazine for publishing.

Table No. 4.7.2.2

Sr. No.	Name of Student	Article/Position	Magazine
01	Saurabh Gaikwad	No Defense without Talon	TECH NEST 2019
02	Omkar Bhogan	Poetry	TECH NEST 2019
03	Sharvari Balsaraf	Interview- Nagraj Manjule	TECH NEST 2018
04	Sagar Jadhav	Marathi Article	TECH NEST 2018
05	Kunal Sable	Technical Article	TECH NEST 2018
06	Shubham Bhuse	Technical Article	TECH NEST 2018
07	Amruta Sureshkumar	My school my home	TECH NEST 2017
08	Nilesh Raut	Democracy	TECH NEST 2017
09	Mukhtar Momin	Role of technical institutes in industrial revolution	TECH NEST 2017
10	Mohd. Asif Ansari	Cloud Computing	TECH NEST 2017
11	Altmash Shaikh	Editiorial Board Member	TECH YUVA Jan 2023
12	Rushikesh Gawade	Editiorial Board Member	TECH YUVA Jan 2023
13	Dhanashree Mandhare	Editiorial Board Member	TECH YUVA Jan 2023
14	Shreenath Jamdade	Editiorial Board Member	TECH YUVA Jun 2023
15	Tejas Verma	Editiorial Board Member	TECH YUVA Jun 2023
16	Mayavati Bhandare	Editiorial Board Member	TECH YUVA Jun 2023

4.7.3 Participation in inter-institute / state/national events by students of the program of study (5)

Institute Marks

5.00

Academic Year 2022-23

Sr. No.	Type of Activity & Details (Paper Presentation / Project / Quiz etc.)	Date	Name of Participating Student/s	Organizing Body & Organizing Institute	Awards (Winner / Participation)	Level (State / National etc.)
01	Paper Presentation	21/02/2023	SasaneManoj Sunil	RMDIOT, Chinchwad	Participation	State
02	Paper Presentation	21/02/2023	Patil Krishna Anand	RMDIOT, Chinchwad	Participation	State
03	Paper Presentation	21/02/2023	BarmaseBhaveshManoj	RMDIOT, Chinchwad	Participation	State
04	Paper Presentation	21/02/2023	ShaikhJunaedAyub	RMDIOT, Chinchwad	Participation	State
05	Paper Presentation	21/02/2023	GawadeRushikeshMahadev	RMDIOT, Chinchwad	Participation	State
06	Paper Presentation	21/02/2023	MandhareDhanashreeKrushna	RMDIOT, Chinchwad	Participation	State
07	Paper Presentation	21/02/2023	AwatiParshavBabaso	RMDIOT, Chinchwad	Participation	State
08	Paper Presentation	21/02/2023	Shaikh Salman Aman	RMDIOT, Chinchwad	Participation	State
10	Project Competition	21/02/2023	PalseOmkarMadhukar	RMDIOT, Chinchwad	Participation	State
11	Project Competition	21/02/2023	Pillai Vishnu Soman	RMDIOT, Chinchwad	Participation	State
12	Project Competition	21/02/2023	VarmaTejas Vijay	RMDIOT, Chinchwad	Participation	State
13	Project Competition	21/02/2023	JamdadeShreenathManoj	RMDIOT, Chinchwad	Participation	State
15	Project Competition	21/02/2023	BhandareMayawatiDadarao	RMDIOT, Chinchwad	Participation	State
16	Project Competition	21/02/2023	Patane Anjali Basavraj	RMDIOT, Chinchwad	Participation	State
17	Project Competition	31/03/2023	More SwayamPrakash	Pimpri Chinchwad Polytechnic, Akurdi	Winner	State
18	Project Competition	31/03/2023	HagaldivateMujahidRajebhai	Pimpri Chinchwad Polytechnic, Akurdi	Winner	State
19	Project Competition	31/03/2023	VyavaharePrathameshKalyan	Pimpri Chinchwad Polytechnic, Akurdi	Participation	State
20	Project Competition	31/03/2023	PawarArjunAbaso	Pimpri Chinchwad Polytechnic, Akurdi	Participation	State
21	Project Competition	31/03/2023	ShindeAtharvaUmesh	Pimpri Chinchwad Polytechnic, Akurdi	Participation	State
22	Project Competition	31/03/2023	ChopadeYashwantDilip	Pimpri Chinchwad Polytechnic, Akurdi	Participation	State
23	Project Competition	31/03/2023	BarmaseBhaveshManoj	Pimpri Chinchwad Polytechnic, Akurdi	Participation	State

24	Project Competition	31/03/2023	SasaneManoj Sunil	Pimpri Chinchwad Polytechnic, Akurdi	Participation	State
25	Quiz Competition	28/02/2023	Sabale Prasad Sandeepan	JSPM's RajarshriShahu College of Engineering Polytechnic, Tathwade	Participation	State
26	Quiz Competition	28/02/2023	ShaikhAbidMustak	JSPM's RajarshriShahu College of Engineering Polytechnic, Tathwade	Participation	State
27	Quiz Competition	28/02/2023	GawadeRushikeshMahadev	JSPM's RajarshriShahu College of Engineering Polytechnic, Tathwade	Participation	State
28	Quiz Competition	28/02/2023	DeshmukhPranav Ashok	JSPM's RajarshriShahu College of Engineering Polytechnic, Tathwade	Participation	State
29	Quiz Competition	28/02/2023	MekeriAjaykumarBalu	JSPM's RajarshriShahu College of Engineering Polytechnic, Tathwade	Participation	State
30	Quiz Competition	28/02/2023	BhandareMayawatiDadarao	JSPM's RajarshriShahu College of Engineering Polytechnic, Tathwade	Participation	State
31	Quiz Competition	28/02/2023	ChopadeYashwantDilip	JSPM's RajarshriShahu College of Engineering Polytechnic, Tathwade	Participation	State
32	Quiz Competition	28/02/2023	LabdeAadityaBhaskar	JSPM's RajarshriShahu College of Engineering Polytechnic, Tathwade	Participation	State
33	Poster Presentation	21/02/2023	BhegadeIshwariBalasaheb	RMDIOT, Chinchwad	Participation	State
34	Poster Presentation	21/02/2023	Palande Maithili Deepak	RMDIOT, Chinchwad	Participation	State
35	Poster Presentation	21/02/2023	VyavaharePrathameshKalyan	RMDIOT, Chinchwad	Participation	State
36	Poster Presentation	21/02/2023	ShindeAtharvaUmesh	RMDIOT, Chinchwad	Participation	State
37	Poster Presentation	21/02/2023	Mohite Jay Tukaram	RMDIOT, Chinchwad	Participation	State
38	Poster Presentation	21/02/2023	KadaleTejas Sunil	RMDIOT, Chinchwad	Participation	State
39	Poster Presentation	21/02/2023	KhandareVaibhav Hanuman	RMDIOT, Chinchwad	Participation	State
40	Poster Presentation	21/02/2023	WaghmareAmitApparao	RMDIOT, Chinchwad	Participation	State
41	Poster Presentation	21/02/2023	MokashiSiddheshRohidas	RMDIOT, Chinchwad	Participation	State
42	Poster Presentation	21/02/2023	ChopadeYashwantDilip	RMDIOT, Chinchwad	Participation	State
43	Poster Presentation	21/02/2023	KumbharTejasSandeep	RMDIOT, Chinchwad	Participation	State
44	Poster Presentation	21/02/2023	PanchalVedantShriram	RMDIOT, Chinchwad	Participation	State
45	Poster Presentation	21/02/2023	SankpalYashSantosh	RMDIOT, Chinchwad	Participation	State
46	Poster Presentation	21/02/2023	Shaikh Ali Ashpak	RMDIOT, Chinchwad	Participation	State
47	Poster Presentation	21/02/2023	DolareSayoniNagesh	RMDIOT, Chinchwad	Participation	State
48	Poster Presentation	21/02/2023	PawarArjunAbaso	RMDIOT, Chinchwad	Participation	State

49	Poster Presentation	21/02/2023	LabdeAadityaBhaskar	RMDIOT, Chinchwad	Participation	State
50	Poster Presentation	21/02/2023	CharthalKshitijRameshwar	RMDIOT, Chinchwad	Participation	State
51	Poster Presentation	21/02/2023	More SwayamPrakash	RMDIOT, Chinchwad	Participation	State
52	Poster Presentation	21/02/2023	HagaldivateMujahidRajebhai	RMDIOT, Chinchwad	Participation	State
53	Poster Presentation	21/02/2023	BalsarafShardulShridhar	RMDIOT, Chinchwad	Participation	State
54	Poster Presentation	21/02/2023	JagatapSwarajSachin	RMDIOT, Chinchwad	Participation	State
55	Poster Presentation	21/02/2023	Pujari Ganesh Sabanna	RMDIOT, Chinchwad	Participation	State
56	Poster Presentation	21/02/2023	MadaneRushikesh Mohan	RMDIOT, Chinchwad	Participation	State
57	Poster Presentation	21/02/2023	Kale ShreyashBhausaheb	RMDIOT, Chinchwad	Participation	State
58	Poster Presentation	21/02/2023	Pimple ManasSharad	RMDIOT, Chinchwad	Participation	State
59	Poster Presentation	21/02/2023	DolareSuhaniNagesh	RMDIOT, Chinchwad	Participation	State
60	Poster Presentation	21/02/2023	RandhavePornima Sanjay	RMDIOT, Chinchwad	Participation	State
61	Poster Presentation	21/02/2023	GhanghavRohit Rahul	RMDIOT, Chinchwad	Participation	State
62	Poster Presentation	21/02/2023	AlureSatishIranna	RMDIOT, Chinchwad	Participation	State
63	Poster Presentation	21/02/2023	Shaikh Sameer Mustafa	RMDIOT, Chinchwad	Participation	State
64	Poster Presentation	21/02/2023	MekeriAjaykumarBalu	RMDIOT, Chinchwad	Participation	State
65	Poster Presentation	21/02/2023	Sonar Ganesh Suresh	RMDIOT, Chinchwad	Participation	State
66	Poster Presentation	21/02/2023	Mekeri Vijay Balu	RMDIOT, Chinchwad	Participation	State
67	Poster Presentation	21/02/2023	DeshmukhPranav Ashok	RMDIOT, Chinchwad	Participation	State
68	Poster Presentation	21/02/2023	Kamble Sunil Chandrakant	RMDIOT, Chinchwad	Participation	State

Academic Year 2021-22

Sr. No.	Type of Activity & Details (Paper Presentation / Project / Quiz etc.)	Date	Name of Participating Student/s	Organizing Body & Organizing Institute	Awards (Winner / Participation)	Level (State / National etc.)
01	Paper Presentation	14/03/2022	ChawanParthAmeet	RMDIOT, Chinchwad	Winner	State
02	Paper Presentation	14/03/2022	KumbharRohanShrikant	RMDIOT, Chinchwad	Winner	State
03	Paper Presentation	14/03/2022	HudekarSuraj Kailas	RMDIOT, Chinchwad	Winner	State
04	Paper Presentation	14/03/2022	SonavaneSiddhantNiteen	RMDIOT, Chinchwad	Runner-Up	State
05	Paper Presentation	14/03/2022	NimbalkarSujayraje Mahesh	RMDIOT, Chinchwad	Runner-Up	State

06	Paper Presentation	14/03/2022	Kale PoojaShashikant	RMDIOT, Chinchwad	Runner-Up	State
07	Paper Presentation	14/03/2022	DharurkarRutvikRajendra	RMDIOT, Chinchwad	Runner-Up	State
08	Paper Presentation	14/03/2022	JadhavSandesh Suresh	RMDIOT, Chinchwad	Third	State
09	Paper Presentation	14/03/2022	PatilRushikeshNarendra	RMDIOT, Chinchwad	Third	State
10	Quiz Competition	15/03/2022	ShaikhJunaedAyub	RMDIOT, Chinchwad	Winner	State
11	Quiz Competition	15/03/2022	ShaikhAbidMustak	RMDIOT, Chinchwad	Winner	State
12	Quiz Competition	15/03/2022	Pal Azad Ramlakhan	RMDIOT, Chinchwad	Runner-Up	State
13	Quiz Competition	15/03/2022	SasaneManoj Sunil	RMDIOT, Chinchwad	Runner-Up	State
14	Poster Presentation	14/03/2022	KumbharRoshaniShrikant	RMDIOT. Chinchwad	Winner	State
					(First)	
15	Poster Presentation	14/03/2022	BhandariMayawatiDadarao	RMDIOT. Chinchwad	Winner	State
					(Second)	
16	Poster Presentation	14/02/2022	OutbalSagar P	PMDIOT Chinchwad	Winner	State
10	i oster i resentation	14/03/2022	Oviiai3agai D.	Kivibioi, Chinchwad	(Third)	State

Academic Year 2019-20

Sr. No.	Type of Activity & Details (Paper Presentation / project / Quiz etc.)	Date	Name of Participating Student/s	Organizing Body & Organizing Institute	Awards (Winner / Participation)	Level (State / National etc.)
01	Paper Presentation	10/02/2020	BalsarafSharvariS.	RMDIOT, Chinchwad	Winner	State
02	Paper Presentation	10/02/2020	BhoganOmkar S.	RMDIOT, Chinchwad	Runner-up	State
03	Paper Presentation	10/02/2020	GaikwadSourabh V.	RMDIOT, Chinchwad	Participation	State
04	Paper Presentation	10/02/2020	MaskeKunal K.	RMDIOT, Chinchwad	Participation	State
05	Paper Presentation	10/02/2020	Ugale Pratik Ashok	RMDIOT, Chinchwad	Participation	State
06	Paper Presentation	10/02/2020	VishwakarmaSachin G.	RMDIOT, Chinchwad	Participation	State
07	Paper Presentation	10/02/2020	Sable KunalBaban	RMDIOT, Chinchwad	Participation	State
08	Mini Project	10/02/2020	KumbharRohan	RMDIOT, Chinchwad	Winner	State
09	Mini Project	10/02/2020	ChavanParth	RMDIOT, Chinchwad	Winner	State
10	Mini Project	10/02/2020	KarjulePratap	RMDIOT, Chinchwad	Winner	State

11	Mini Project	10/02/2020	PatilRutwik	RMDIOT, Chinchwad	Participation	State
12	Mini Project	10/02/2020	KolambeGhanshyam	RMDIOT, Chinchwad	Participation	State
13	Mini Project	10/02/2020	SawantKundan	RMDIOT, Chinchwad	Participation	State
14	Mini Project	10/02/2020	MujawarAman	RMDIOT, Chinchwad	Participation	State
15	Mini Project	10/02/2020	FahadShaikh	RMDIOT, Chinchwad	Participation	State
16	Mini Project	10/02/2020	Khot Ibrahim	RMDIOT, Chinchwad	Participation	State
17	Mini Project	10/02/2020	Ugale Pratik Ashok	RMDIOT, Chinchwad	Participation	State
18	Mini Project	10/02/2020	VishwakarmaSachin G	RMDIOT, Chinchwad	Participation	State

Academic Year 2018-19

Table No. 4.7.3.4

Sr. No.	Type of Activity & Details (Paper Presentation / project / Quiz etc.)	Date	Name of Participating Student/s	Organizing Body & Organizing Institute	Awards (Winner / Participation)	Level (State / National etc.)
01	Paper Presentation	10/01/2019	Chavan Rahul V.	RMDIOT, Chinchwad	Winner	State
02	Paper Presentation	10/01/2019	KadamShailesh S.	RMDIOT, Chinchwad	Winner	State
03	Paper Presentation	10/01/2019	GaikwadSourabh V.	RMDIOT, Chinchwad	Runner-up	State
04	Paper Presentation	10/01/2019	BhoganOmkar S.	RMDIOT, Chinchwad	Runner-up	State
05	Paper Presentation	10/01/2019	JagtapVrushabh	RMDIOT, Chinchwad	Participation	State
06	Paper Presentation	10/01/2019	SahadShaikh	RMDIOT, Chinchwad	Participation	State
07	Paper Presentation	10/01/2019	RajguruSanket	RMDIOT, Chinchwad	Participation	State
08	Paper Presentation	10/01/2019	MankarAkshay	RMDIOT, Chinchwad	Participation	State
09	Paper Presentation	10/01/2019	Ansari Manzer	RMDIOT, Chinchwad	Participation	State
10	Paper Presentation	10/01/2019	RathoreKishanpalsingh	RMDIOT, Chinchwad	Participation	State

Academic Year 2017-18

Sr. No.	Type of Activity & Details (Paper Presentation / project / Quiz etc.)	Date	Name of Participating Student/s	Organizing Body & Organizing Institute	Awards (Winner / Participation)	Level (State / National etc.)

01	Paper Presentation	10/01/2018	GadgeTushar	RMDIOT, Chinchwad	Winner	State
02	Paper Presentation	10/01/2018	BhagwatShubham	RMDIOT, Chinchwad	Winner	State
03	Paper Presentation	10/01/2018	JadhavSagar	RMDIOT, Chinchwad	Runner-up	State
04	Paper Presentation	10/01/2018	MuzammilShaikh	RMDIOT, Chinchwad	Participation	State
05	Paper Presentation	10/01/2018	FarooquePathan	RMDIOT, Chinchwad	Participation	State
06	Paper Presentation	10/01/2018	DalvePrathmesh	RMDIOT, Chinchwad	Participation	State
07	Paper Presentation	10/01/2018	BhuseShubham	RMDIOT, Chinchwad	Participation	State

5 FACULTY INFORMATION AND CONTRIBUTIONS (150)

Total Marks 119.21
		Area of Specialization	Contribution to the program(% load)		Research	Faculty receiving Ph D/M Tech	Current	Initial	Association	At present	In case of	IS	
Name	Degree		CAY (2022- 23)	CAYm1 (2021- 22)	CAYm2 (2020- 21)	Paper Publications	Ph.D/M. lech during the Assessment year	Designation	Date of Joining	Type	working with the Institution(Yes/No)	NO, Date of Leaving	IS Principal?
Mr. Dinesh Tanaji Pawar	B.E/B.Tech	Mechanical	71	0	0			Lecturer	18/03/2022	Regular	Yes		No
Mr. Mangesh Subhash Palwade	M.E/M.Tech	Machine Design	0	96	88	2		Lecturer	01/07/2016	Regular	No	31/03/2022	No
Mr. Vishal Kundalik Bankar	M.E/M.Tech	Engineering Drawing	0	67	65			Lecturer	01/01/2019	Regular	No	31/03/2022	No
Mr. Vishwajeet Dilip Borate	M.E/M.Tech	Engineering Drawing	56	0	0			Lecturer	19/09/2022	Regular	Yes		No
Mr.Sachin Arvind Pawar	B.E/B.Tech	Mechanical	19	0	0			Lecturer	19/09/2022	Regular	Yes		No
Ms. Komal Prakash Solaskar	M. Sc (Physics)	Physics	50	50	40			Lecturer	04/08/2016	Regular	Yes		No
Mrs Vandana Mahesh Patil	M.Sc. (Chemistry)	Chemistry	50	50	40			Lecturer	27/08/2010	Regular	Yes		No
Mrs. Kanchan Rajesh Nemade	M.E/M.Tech	Electronics and Telecommunication Engineering	26	58	12	2		Lecturer	07/07/2009	Regular	Yes		No
Ms. Chaitrali Sharad Kulkarni	M.Sc (Maths)	Mathematics	0	33	33			Lecturer	10/07/2017	Regular	Yes		No
Ms. Supriya Subhash Mundhe	M.Phil	English	0	38	33	2		Lecturer	27/08/2018	Regular	Yes		No
Mr.Anil Bhausaheb Thite	ME/M. Tech and PhD	Machine Design	100	100	100	3		Principal	02/10/2001	Regular	Yes		Yes

Mr. Sandeep Bajrang Survase	M.E/M.Tech	Machine Design	100	100	100	2	HOD	01/07/2016	Regular	Yes		No
Mr. Ashish Adinath Jain	B.E/B.Tech	Automobile	100	100	100		Lecturer	01/07/2016	Regular	Yes		No
Mr.Mukhtar Mahamadyusuf Momin	B.E/B.Tech	Thermal	100	100	100		Lecturer	11/08/2016	Regular	Yes		No
Ms. Shubhangi Gorakshnath Varpe	M.E/M.Tech	Machine Design	100	100	0	4	Lecturer	11/11/2021	Regular	Yes		No
Mr. Mahesh Ashok Sawardekar	B.E/B.Tech	Engineering Drawing	100	0	0	1	Lecturer	11/03/2022	Regular	Yes		No
Mr. Shriram Bhanudasrao Khadke	M.E/M.Tech	Computer Engineering	0	0	13	1	Lecturer	11/08/2016	Regular	Yes		No
Mrs. Pritee Sandip Kardile	M.E/M.Tech	Computer Engineering	0	9	0	2	Lecturer	01/08/2017	Regular	Yes		No
Ms. Jayashri Shriram Like	МА	English	50	0	0		Lecturer	19/09/2022	Regular	No	15/05/2023	No
Ms. Chetana Sanjay Chaudhary	B.E/B.Tech	Computer Engineering	19	0	0	1	Lecturer	26/09/2022	Regular	Yes		No
Ms. Mayuri Maruti Chavan	M.Sc (Maths)	Mathematics	50	0	0		Lecturer	10/10/2022	Regular	Yes		No

5.1 Student-Faculty Ratio (SFR) (25)

Total Marks 12.00

Year	N	F	SFR=N/F
2022-23(CAY)	233	9.91	23.51
2021-22(CAYm1)	241	9.01	26.75
2020-21(CAYm2)	245	7.24	33.84

Average SFR: 28.03

Assesement SFR: 12

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
CAY(2022-23)	14	0
CAYm1(2021-22)	10	0
CAYm2(2020-21)	11	0

5.2 Faculty Qualification (25)

5.2.1 Faculty Qualification Index (20)

Total Marks 14.21

Institute Marks

14.21

	x	Y	F	FQ = 2 x [(10X + 7Y) / F)]
2022-23	4	6	9.00	18.22
2021-22	4	3	10.00	12.20
2020-21	4	3	10.00	12.20

Average Assessment: 14.21

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

Institute Marks

5.3 Faculty Retention (20)

Total Marks 15.00 Institute Marks

Description	2021-22 (CAYm1)	2022-23 (CAY)
No of Faculty Retained	9	9
Total No of Faculty	10	14
% of Faculty Retained	90	64

Average: 77.14

Assessment Marks: 15.00

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

Total Marks 30.00

Nome of the feaulty	Max 5 Per Faculty				
	2020-21 (CAYm2)	2021-22 (CAYm1)	2022-23 (CAY)		
Mr. Ashish Adinath Jain	2.00	5.00	5.00		
Mr. Dinesh Tanaji Pawar	0.00	0.00	5.00		
Mr. Mahesh Ashok Sawardekar	0.00	0.00	5.00		
Mr. Mangesh Subhash Palwade	2.00	3.00	0.00		
Mr. Sandeep Bajrang Survase	2.00	3.00	5.00		
Mr. Shriram Bhanudasrao Khadke	2.00	0.00	0.00		
Mr. Vishal Kundalik Bankar	2.00	1.00	0.00		
Mr. Vishwajeet Dilip Borate	0.00	0.00	2.00		
Mr.Anil Bhausaheb Thite	4.00	1.00	4.00		
Mr.Mukhtar Mahamadyusuf Momin	0.00	5.00	3.00		
Mr.Sachin Arvind Pawar	0.00	0.00	4.00		
Mrs Vandana Mahesh Patil	2.00	2.00	5.00		
Mrs. Kanchan Rajesh Nemade	5.00	2.00	5.00		
Mrs. Pritee Sandip Kardile	0.00	1.00	0.00		
Ms. Chaitrali Sharad Kulkarni	2.00	2.00	0.00		
Ms. Chetana Sanjay Chaudhary	0.00	0.00	5.00		

Ms. Jayashri Shriram Like	0.00	0.00	4.00
Ms. Komal Prakash Solaskar	2.00	2.00	5.00
Ms. Mayuri Maruti Chavan	0.00	0.00	3.00
Ms. Shubhangi Gorakshnath Varpe	0.00	1.00	4.00
Ms. Supriya Subhash Mundhe	5.00	5.00	0.00
Sum	30.00	33.00	64.00
RF = Number of Faculty required to comply with 25:1 SFR as	9.80	9.64	9.32
Assessment [6*(Sum / 0.5RF)](Marks limited to 30)	30.00	30.00	30.00

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

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

Total Marks 10.00

Organized/ Conducted FDPs by the department at State/ National Level

SR	Name of Cuest	Qualification	FDP On	Duration	Data
NO.	Ivanie of Guest	Of Guest	FDI OII	Duration	Date
1	Mr. Suraj Dixit, Jr. Manager R/D., Force Motors, Pune.	M.E. (Machine Design)	Opportunity, Challenges For Electric Vehicle.	2 Days	11th- 12th Mar, 2022
2	Dr. P. L. Kothawade, Principal, Jain Vidya Prasarak Mandals Adhyapak Mahavidyalaya (B. Ed), Pune	M. Sc., M. A., Ph. D., Net	Stress relieving strategies for Teachers	2 Days	01st- 02nd Aug, 2022
3	Dr. S. G. Kandalkar, HOD Physic, NBA Co-ordinator, JSPMs Polytechnic, Tathawade, Pune	Ph. D. (Physics)	NBA Process	2 Days	14th- 15th Oct, 2022
4	Mrs. Dr. Medha Gijare, NBA Co-ordinator, AISSMs Polytechnic, Pune	Ph. D. (Chemistry)	NBA Accreditation Process	2 Days	19th- 20th Jan, 2023
5	Dr. S. G. Kandalkar, HOD Physic, NBA Co-ordinator, JSPMs Polytechnic, Tathawade, Pune	Ph. D. (Physics)	Guidance on Course outcome & Program outcome	2 Days	23th- 24th Mar, 2023

5.5 Product development, Consultancy, Manufacturing contracts, testing contracts (8)

Total Marks 8.00

.....

SR.	SR. Academic Product		0	Ourse institut Name	D	
No.	Year	Name	Quantity	Organization Name	Revenue	
1	2020 2021	Sanitizer		Rasiklal M. Dhariwal College of	1	
1	2020-2021	Stand	1	Pharmacy (D. Pharm)		
		a		Rasiklal M. Dhariwal Institute of	1	
2	2020-2021	Sanitizer	1	Pharmaceutical Education And		
		Stand		Research (B. Pharm)		
2	2020 2021	Sanitizer	1	Shri Fattechand Jain Vidyalaya & Jr.	1	
3	2020-2021	Stand	1	College		
4	2020 2021	Sanitizer	1	Shri Gurumaiyya Prabhakavarji	1	
4	2020-2021	Stand	1	Primary School		
5	2020 2021	Sanitizer	0	Lin Wither Duran - I Man 1-1		
5	2020-2021	Stand	0	Jain vidya Prasarak Mandai		
6	2020 2021	Sanitizer	1	Shri Banthiya Prathamik Jain		
0	2020-2021	Stand	1	Vidyamandir		
7	2021 2022	Garbage	1	Rasiklal M. Dhariwal International		
'	2021-2022	Vehicle	1	School	800/-	
0	2021 2022	Mashal		Shri Fattechand Jain Vidyalaya & Jr.	500/	
0	2021-2022	Stand	1	College	500/-	
0	2022 2022	Medal	1	Rasiklal M. Dhariwal International	1000/	
9	2022-2023	Stand	1	School	1000/-	
10	2022 2023	School	1	Shri Fattechand Jain Vidyalaya & Jr.	8000/	
	2022-2023	Gate	1	College	0000/-	
11	2022 2023	Notice	2	Sanghvi Kesari Arts, Commerce &	3000/	
11	2022-2023	Board	<u> </u>	² Science college		

Consultancy

Sr. No.	Academic Year	Consultancy Name	Name of organization	Name Of Owner / Proprietor	No. of beneficiaries	Revenue
1	2017-2018	Students Practical Conducted	Yashaswi Institute of Technology		180	18960/-
2	2017-2018	Students Practical Conducted	Yashaswi Institute of Technology		19	3000/-

			Fabricatex			
2	2021 2022	Smart Solar	Engineering PVT.	Mr. N. S.		500/
3	2021-2022	Energy Solution	LTD.,	Raut		300/-
			Chinchwad, Pune			
		Design &	Fabricatex			
1	2021 2022	Fabrication solar	Engineering PVT.	Mr. N. S.		700/
1	2021-2022	panel	LTD.,	Raut		/00/-
		installation	Chinchwad, Pune			
		Regarding	Pandurang Auto	Mr Shivaji		
5	2022-2023	safety	Works, Akurdi,	Kolte	7	1000/-
		knowledge	1 une			
6	2022-2023	Regarding welding & safety	Rohit Steel Works, Akurdi,	Mr. Rohit Kadam	12	1000/-
		knowledge	Pune			

Manufacturing Contracts

Sr. No.	Academic Year	Details of Work	Name Of Organization	Name Of Owner / Proprietor	Revenue
1	2021-2022	Press Shop Work	Shree Om Fab Techno Services LLP, Pune	Mr. Pramod Lakal	2500/-
2	2022-2023	Aluminium & Glass Works	Abhishek Enterprises, Chinchwad, Pune	Mr. Abhishek P. Agellu	8000/-
3	2022-2023	Fabrication Work	Swami Samarth Fabricators, Pune	Mr. V. E. Shinde	8500/-
4	2022-2023	Gear Related Work	Vighnaharta Electricals, Chikhali, Pune	Mr. Tushar Patil	4500/-

5.6 Faculty Performance Appraisal and Development System (FPADS) (30)

Total Marks 30.00

A. A well-defined FPADS instituted for all the assessment years (5)

Institute Marks

5.00

A teachers job isnt just about the classroom - they have to do a lot to help students grow and develop. They have to teach up-to-date tech and skills to the students, and a lot of teachers are really passionate about helping the student community and making sure the institute has a good image. Some teachers do really well in admin and management, but the old system of secret reports doesnt show the whole story. To make sure the organization is successful, it needs the right people in the right places at the right time. Its important to recognize those who are dedicated to their job and give them the opportunity to get promoted or win awards. Its also important to create incentives for teachers who arent doing their job right, or who are doing it for the wrong reasons. We need to come up with a better way to evaluate teachers performance that covers all their roles and allows for differentiating based on weight.

Print

The main goal was to keep up with the standards of higher and tech education. The authorities suggested that we come up with and put into practice a good performance evaluation to make the system more efficient and effective. These recommendations make it clear that its important to help individual teachers grow, develop and advance on their own merits.

B. Its implementation and effectiveness (15)

Institute Marks

The performance attributes consist of the successful completion of planned work, the quality of output, the achievement of exceptional work or unexpected tasks completed, the attitude to work, the sense of responsibility, the overall bearing and personality, emotional stability, communication skills, moral courage and willingness to take a professional stance, leadership qualities, the capacity to work within a given time frame, knowledge of relevant acts, rules, procedures, IT skills and local standards in the relevant area, strategic planning ability, decision making ability, initiative, the ability to motivate and develop subordinates in a team. The average grade for work efficiency is determined by the performance attributes.

The institutes appraisal and development programs for faculty are as follows:

- 1. The Faculty Appraisal Scheme (FAS):- The Institute has a well-structured system for evaluating faculty. Faculty Appraisal Form includes Academic and Personal contributions from the previous academic year. Each faculty submits FAS information at the end of the year. The performance is evaluated by the Head of Department and the Principal. Faculty feedback is also collected from students at mid-semester and end-of-semester. The feedback is evaluated by head of the department and appropriate feedback/recommendations are given to faculty for improvement. Overall appraisal of faculty shall be done on the following basis:
- 30 % for Assessment of Self Appraisal.
- 20 % for the student's feedback.
- 50 % for Assessment by HOD.



Print

2. Teacher Appreciation Letter Scheme: - At the institute level, a committee is in charge of checking and evaluating teachers. The Principal of the college is the head of this committee. The committee head and members evaluate students feedback, academic performance, result analysis, and the teachers contribution at the institute level. The one with the highest score is declared a remarkable teacher and awarded an appreciation certificate.



Lecturer in Mechanical Dept, Rasiklal. M. Dhariwal Institute of Technology, Chinchwad, Pune.

Subject: Appreciation letter for remarkable teaching

Honorable Sir,

We extend our heartfelt appreciation for your remarkable teaching. Your engaging style, expert knowledge, and approachability have had a positive impact on our students' learning experiences. The feedback we received was overwhelmingly positive, highlighting your dedication and innovative techniques. Your commitment to nurturing students' growth is commendable, and we are honored to have you as part of our esteemed faculty. Thank you for shaping future leaders and fostering a love for learning. Your influence will undoubtedly leave a lasting impression on their lives.



Principal

RASIKLAL M. DHARIWAL NSTITUTE OF TECHNOLOG Chinchwad, Pune-411 033



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

Institute Marks

10.00

Print

Print

At the beginning of each academic year, all staff members at the Polytechnic are encouraged to participate in the Career Advancement program in order to upgrade their qualifications and enhance their Classroom/Laboratory performance and proficiency levels. Support staff are also encouraged to approach the HOD/Principal with their interest in enrolling in the PG/AD programmes. The academic workload of these staff is tailored to their individual commitments.

- Faculty sponsorship for Master of Engineering (M.E.), Master of Technology (M.Tech), And Master of Business Administration (MBA) engineering and technical education programs with study leave.
- Faculty Permission for M.E. / M.Tech Programs in Engineering & Technical Education with No Objection Certificate. Faculty Permission to conduct M.E/M.Tech. Full/Part time Programs under terms and conditions as determined by DTE.

Sr. No.	Name Of Faculty	PG/ Advanced Diploma	Specialization	University	Admission Year	Passing Year
1	Mr. M. S. Palwade	M.E.	Design Engineering	Savitribai Phule Pune University, Pune	2014-2015	2017- 2018
2	Mr. V. K. Bankar	M.E.	Design Engineering	P.A. H. Solapur University, Solapur	2017-2018	2019- 2020
3	Mr. A. A. Jain	M.E.	Heat Power	Savitribai Phule Pune University, Pune	2015-2016	In Progress 2022- 2023
4	Mr. M. A. Sawardekar	M.B.A.	Business Analytics And Operation & Supply Chain Management	Savitribai Phule Pune University, Pune	2021-2022	2022- 2023

6 FACILITIES AND TECHNICAL SUPPORT (100)

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

Total Marks 100.00

Total Marks 10.00

The department has sufficient infrastructure to conduct the academic activities as per curriculum. The department has 03 classrooms with maximum seating capacity of 60 students on time sharing basis for all classes as per time table. The vision and mission statements are displayed inside the laboratories. There is sufficient ventilation and illumination in all the laboratories. The department has shared smart class room, workshops.

Table 6.1.1: Deta	Is of class rooms
-------------------	-------------------

Room Description	Room No	Usage	Shared /Exclusive	Required Adequacy as per Norms	Availability Facility
	201 (2 nd Floor)	ME	Exclusive	Yes	Green Board, Benches,Fans,Tube Lights,Dustbin
Class Room	106 (1 st Floor)	ME	Exclusive	Yes	Green Board,Benches,Fans,Tube Lights,Dustbin
	107 (1 st Floor)	ME	Exclusive	Yes	Green Board, Benches, Fans, Tube Lights, Dustbin
Smart Classroom	205 (2 nd Floor)	For All Branches	Shared	Yes	Smartboard with projector,Pc, Benches, Fans Tube Lights, Dustbin
Drawing Hall	DH-1 (2 nd Floor)	For All Branches	Shared	Yes	Green Board, Drawing Tables & Stools, Fans, Tube Lights, Dustbin

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

Total Marks 40.00

A. Adequacy (10)

10.00

All Laboratories are furnished with efficient equipment's for students to do their practical work during the working hours as per the time table and beyond the working hours according to their own interest.

- Equipment's and Consumables are storing their respective cupboard for easy accessibility of the faculty, Technician.
- All the laboratories are provided with adequate display boards for necessary information to students and sufficient furniture facilities.

Sr.No		Name of the laboratory	No of Students Setup (Batch Size)	Weekly utilization status (all the courses for which the laboratory is utilized)
	1	Engineering Mechanics Laboratory	20	12 Hours/Week
	2	Fluid Mechanics & Machinery Laboratory	20	6 Hours/Week
	3	Industrial Fluid Power Laboratory	20	6 Hours/Week
	4	Strength of Material Laboratory	20	10 Hours/Week
	5	Mechanical Engineering Measurement Laboratory	20	6 Hours/Week
	6	Engineering Metrology Laboratory	20	6 Hours/Week
	7	Theory of Machine Laboratory	20	10 Hours/Week
	8	Thermal Engineering Laboratory	20	6 Hours/Week
	9	Auto Cad Laboratory	20	20 Hours/Week

Table 6.2.1 Adequacy of laboratory

1.00

.

Print

		Flastrical Lab		6
	10	Electrical Lab	20 20 20 20	Hours/Week
	11	Physics Lab	20	Hours/Week
				28
	12	Chemistry Lab	20	Hours/Week
L				

B. Quality of Labs/workshop (20)

Institute Marks

20.00

- Laboratories are given more importance than theoretical class work became the students are doing all the application oriented practical work in Labs.
- Every Lab is provided with separate faculty in-charge and adequate facilities for the development of complete practical knowledge to the students.
- The quality of every laboratory depends on its effective utilization by the students.
- Every practical work is done by the students himself under the guidance of concerned faculty member and the students have to write the record of the work and submit the same on next practical class.
- For every Lab, the cleanliness and effectiveness are maintained for the welfare of students to fulfill their satisfied atmosphere.
- For the safety measures like, fire extinguisher is maintained periodically, and students are strictly invited to wear uniform which is monitored scrupulously.
- Also, the display boards like DO's and DON'T's, List of experiments (Syllabus), specification of every equipment are also displayed for improving awareness of students about every technical experiments.

Table 6.2.2: Details of Workshop Facilities

Sr.	Name of	Semester Number	Name of the	Area	Name of th	e staff with de	signation
No.	the Shop	of students per batch	important equipment	(Sq.m)	Name	Designation	Qualification

1	Turning Shop	20	 Centre Lathe Machine Hydraullic Hack Saw Machine. Grinder machine 		Mr S.A. Gore	Turner Instructor	SSC ITI NCTVT
2	Machine Shop	20	1.Milling machine		Mr.R.A. Nikam	Machinist Instructor	SSC ITI NCTVT
3	Fitting Shop	20	1.Power hack Saw 2. Surface Plate	430 m ²	Mr.R.A. Nikam	Fitting Instructor	SSC ITI NCTVT
4	Sheet Metal & Plumbing Shop	20	1. Sheet Bending machine 2.Die Set		Mr.K.S. Lokhande	Sheet Metal Instructor	SSC ITI
5	Carpentry Shop	20	1.Wood Cutting Machine 2.Wood Lathe Machine 3.Sandor Machine		Mr.K.S. Lokhande	Carpentry Instructor	SSC ITI
6	Welding Shop	20	1.Sandor Machine 2. Arc Welding machine		Mr.E.S.Shinde	Welding Instructor	SSC ITI
7	Smithy Shop	20	1. Smithy hearth 2. Grinder machine		Mr.E.S. Shinde	Smithy Instructor	SSC ITI
8	CNC Shop	20	1.CNC Lathe		Mr S.A. Gore	CNC Instructor	SSC ITI NCTVT

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

Institute Marks

10.00

		Number	nber Name of the important		Technical Manpower Support			
Sr. No.	Sr. Name of the No. Laboratory	of students per batch	Equipment (Costing More than 30,000)	Utilization Status	Name of Technical Staff	Designation	Qualification	
1	Engineering Mechanics Laboratory (101)	20	 Universal Force Table Friction Apparatus Double Purchase Scrab Model Of Geometric Figure Single Purchase Scrab 	12 Hrs	Mr. R.H. Sutar	Lab Assistant	Diploma in Mechanical Engineering	
2	Fluid Mechanics & Machinery Laboratory (114)	20	 Pelton Wheel - Turbine Test Rig Reciprocating Pump Test Rig Centrifugal Pump Test Rig Pipe Losses Apparatus Orifice Apparatus 	6 Hrs	Mr. S.A. Pawar	Lab Assistant	BE in Mechanical Engineering	
3	Industrial Fluid Power Laboratory (115)	20	1. Hydraulic Trainer Kit 2. Pneumatic Circuit Trainer Kit	6 Hrs	Mr. S.A. Pawar	Lab Assistant	BE in Mechanical Engineering	

Table 6.2.3: Details of Laboratories

4	Strength of Material Laboratory (116)	20	 Universal Testing Machine Izod & Charpy Impact Tester Rockwell & Brinell Hardness Tester Mechanical Extensometer Brinell Microscope 	10 Hrs	Mr. R.H. Sutar	Lab Assistant	Diploma in Mechanical Engineering	
5	Mechanical Engineering Measurement Laboratory (116)	20	 Stroboscope Apparatus McLeod Guage Rotameter Test Rig Liquid Level Measurement Strain Guage Apparatus 	6 Hrs	Mr. R.H. Sutar	Lab Assistant	Diploma in Mechanical Engineering	
6	Engineering Metrology Laboratory(117)	20	 Dial Snap Guage Slip Guage Bore Guage with Dial Digital Vernier Caliper Screw Tread Micrometer 	6 Hrs	Mr. T.B.More	Lab Assistant	BE in Mechanical Engineering	

7	Theory of Machine Laboratory (117)	20	 Governor Apparatus Brakes Model Model of Clutch Model of Gear 	10 Hrs	Mr.T.B. More	Lab Assistant	BE in Mechanical Engineering
8	Thermal Engineering Laboratory (118)	20	 Reciprocating Air Compressor Test Rig Model of Babcock Willox Boiler Model of Lamont Boiler Model of Clutch Model of Cochran Boiler 	6 Hrs	Mr.T.B. More	Lab Assistant	BE in Mechanical Engineering
9	Auto Cad Laboratory (212)	20	 Computers - 20 Microsoft Windows 7, Microsoft Windows 8, Microsoft Windows 10, Auto Cad Software 	20 Hrs	Mr. S.A. Pawar	Lab Assistant	BE in Mechanical Engineering
10	Electrical Lab	20	 Three Phase Auto- Transformer, Rectifier Unit, Lamp Bank, DC Shunt Motor Coupled with Shunt Generator with Starter, Single Phase Induction Motor with Starter 	06 Hrs	Mrs. Ingale H. D	Lab Assistant	Diploma in E & TC

		1) Micrometer Screw gauge.		Mrs.D.S. Suryawanshi	Lab Assistant	M.Pharmacy
		03) Ohms law kit.	28 Hrs			
		4) P-N Junction Diode Kit.				
Physics	00	5) Forbidden Energy band gap kit.				
Lab(301)	20	6) Series and parallel resistance kit.				
		7) Prism.				
		8) Glass Slab.				
		9) Young Modulus.				
		10) Spherometer.				
		11) Voltmeter				
		1) Digital PH Meter.				
		2) Conductivity Meter.			Lab Assistant	M.Pharmacy
		3) Redwood				
12 Chemistry	20	Viscometer.	28	Mrs.D.S. Suryawansh		
Lab(309)		4) Digital Electronic weighing Balance.	Hrs			
		5) Hot Air Oven.				
		6) Nephelometer.				

6 -	Nome of the	Number of students nor	Name of the Important	Weakly utilization status (all the	Technical Manpower Support			
	No Laboratory	Laboratory	set up(Batch Size)	Equipment(Costing more than Rs.30,000)	courses for which the lab is utilized)	Name of the Technical staff	Designation	Qualification
	1							

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

Table 6.3.1: Additional facilities

Sr.No	NAME OF THE FACILITY	YEAR OF ESTABLISHMENT
1	Innovative Project Lab	2022-2023
2	Infosys Spring Board	2021-2022
3	Smart Class Room	2021-2022
4	Digital Library	2020-2021
5	Common Wi-Fi Facility	2019-2020
6	Departmental Library	2017-2018

B. Effective Utilization (5)

Institute Marks

5.00

Table 6.3.2: Effective Utilization

Sr.No	NAME OF THE FACILITY	YEAR OF ESTABLISHMENT	EFFECTIVE UTILIZATION
1	Innovative Project Lab	2022-2023	By using this facility students are able to develop his own Projects.
2	Infosys Spring Board	2021-2022	Student can login itself and learn industry-oriented certification course provide by Infosys Company
3	Smart Class Room	2021-2022	Throughout the semester
4	Digital Library	2020-2021	Student can Download E books from Link Provide by our Institute on our website. rmdiot.com
5	Common Wi-Fi Facility	2019-2020	By using this facility students can learn apart from the curriculum
6	Departmental Library	2017-2018	lssue book to a student for specific period

C. Relevance to POs/PSOs (5)

Institute Marks

5.00

Table 6.3.3: Relevance to POs/PSOs

Sr.No	NAME OF THE FACILITY	YEAR OF ESTABLISHMENT	RELEVANCE POs	RELEVANCE TO PSOs
1	Innovative Project Lab	2022-2023	PO1,PO2,PO3, PO4,PO5,PO6, PO7	PSO1,PSO2
2	Infosys Spring Board	2021-2022	PO-1,PO-2, PO-3,PO-4, PO-6	PSO-1
3	Smart Class Room	2021-2022	PO-1,PO-3, PO-4	PSO1, PSO2
4	Digital Library	2020-2021	P01,P03, P07	PSO1
5	Common Wi-Fi Facility	2019-2020	PO3,PO4 PO5,	PSO1, PSO2
6	Departmental Library	2017-2018	PO1,PO2	-

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	Innovative Proj	AN FMM Lab	To Understand	By using this fa	Better Understanding	P01,P02,P03
2	Infosys Spring	On the www.inf	ital literacy' is tl	Student can lo	To grasp extra knowledge tł	PO-1,PO-2, PC
3	Smart Class R	ard & projecto	art class room	Throughout the	The graphs, design, models	PO-1,PO-3, PC
4	Digital Library	able links on th	Student can ac	Student can Do	For better understanding us	P01,P03, P07
5	Common Wi-Fi	32 MBPS Wire	Facility to staff	By using this fa	More knowledge apart from	P03,P04 P05
6	Departmental L	Departmental li	Deep knowledç	Issue book to a	All subjects	P01,P02

6.4 Laboratories: Maintenance and overall ambiance (10)

Total Marks 10.00
6.4.1 General Rules of Conduct in Laboratories

- Follow Safety Rules.
- Switch OFF the Electric Switches while leaving from Laboratories
- Always wear shoes while entering in the laboratories.
- Mobile phones are strictly prohibited in the Laboratories.

6.4.2 Maintenance of Laboratory Equipment:

- One teaching faculty and Lab assistant are in charge of the overall functioning/maintenance of each lab.
- A dead stock register is maintained with all equipment details recorded timely.
- Student register is maintained to record student entry and usage in the Laboratory
- Regular servicing of computer/equipment is carried out as and when required and also at the end of every semester.
- · As per requirement, minor repairs are carried out by the lab assistants and faculty members
- Maintenance register is maintained in all the laboratories.
- Installation of the licensed software, open source and proper anti-virus software are updated regularly.

6.4.3 Overall Ambience:

- · All laboratories are equipped with state of art equipment to meet the requirements of curriculum
- All Laboratories are well furnished and have sufficient light and ventilation.

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	1:1	Microsoft Volur	Leased Line 32	Canon LBP 29(

6.6 Language lab (10)

Total Marks 10.00

25/11/2023, 11:19

Language is a vital tool for communication. The proper learning of language helps us to develop language proficiency, personality and self-confidence. English language lab has been designed to provide the learners with a strong platform for practical training for language. Language lab skilfully and effectively inculcates language skills among learners. They are exposed to practical use of language that plays vital role in everyday usage of English language teaching learning process.

The main objectives of the Language Lab are:

- To emphasize the need of English in the technical world
- To equip the students with good communication skills
- To train the students in the art of conversation and discussion
- To prepare them for interviews and future job environments

Language Lab availability and utilization:

Table 6.6.1

No. of Computer & Headphone Terminals (availability)	Student Computer Ratio	No. of hours per week (utilization)	Beneficiaries	Software used	Lab Incharge
20	1:1	28	All FY Students	Clarity English success	Ms. Mundhe S. S.

Details of Learning Resources:

Table 6.6.2

Sr. No.	Learning resources	Specification

2

Language learning software(Clarity English Success)	 With facility for listening, speaking, reading, writing and recording Software contains six module with explanation and no. of exercise Module 1-grammar Module 2-reading Module 3-listening Module 4-writing Module 5-speaking Module 6-pronunciation For evaluation it has auto generated result Notepad to take notes Software has certificate for successful completion of assignment It has clarity recording software to record
 Open learning sources	Websites, NPTEL platform
Non electronic visual resources	Charts, brain mapping diagram, library
ICT Resources	Computer, projector

Activities Conducted:

- Dialogue Writing & Paragraph Writing
- Group Discussion
- Mock Interviews
- PPT presentation
- Reading Activity
- Role play or Skit Presentation
- Speeches
- Solving online quizzes

Telegram Link-Language Lab Activity

https://t.me/+8wzvu3p-9SxmYTM1 (https://t.me/+8wzvu3p-9SxmYTM1)

7 CONTINOUS IMPROVEMENT (75)

Total Marks 75.00

Total Marks 25.00

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

25/11/2023, 11:19

POs Attainment Levels and Actions for Improvement- (2021-22)

/11/2023, 11:19			Print				
POs	Target Level	Attainment Level	Observations				
PO 1 : Basic and Discipline specific knowledge							
PO 1	2.60	2.06	The students are observed weak in basic fundamental subjects.				
Action 1: Extra cla Action 2: Students Action 3: Mentorin	asses as well as practice sessions are s are asked to write formulae repeated ng: Personal attention is given and cou	conducted for better understanding the ly in the classroom so that they could en nseling is done for weak students to up	methods to solve numerical in Mathematics. asily solve the problems of Mathematics. lift their confidence through mentoring systems.				
PO 2 : Problem a	narysis						
PO 2	2.23	1.90	Analyzing, modeling, processing and solving the problems are moderately achieved.				
Action 1: Students Action 2: Students	s apply the knowledge of technical sub s are asked to write assignments base	ject for completion of micro-project and d on question bank prepared by respec	final year project. tive subject teacher with reference to model answer paper.				

PO 3 : Design/ development of solutions

PO 3	2.07	1.86	Students acquired necessary skills to design solutions for the engineering problems are reasonably achieved			
Action 1: Expert lectures are	Action 1: Expert lectures are organized on advance technologies and also make them interested in developing mini projects.					
Action 2: Students are place	Action 2: Students are placed for 3-4 weeks in plant training program during summer vacation.					

PO 4 : Engineering Tools, Experimentation and Testing

PO 4	2.19	1.90	Competent usage of modern tool is achieved reasonably. It is observed that up- gradations of tools and resources are necessary to meet the industry standards and research.			
Action 1: Additional assignments to be given to students. Action 2: Industrial visits are arranged to make the students aware of advanced technologies in industries						

Action 3: Expert Lectures are organized on emerging technology.

PO 5 : Engineering practices for society, sustainability and environment

PO 5	1.38	1.41	The students' awareness towards professional engineering practices is highly achieved.
Action 1: Project Guides are Action 2: Social activities are	asked to assign projects to the students	on actual problems of society which will students.	ulfill desired needs of society.

Action 3: Environmental studies course included in MSBTE curriculum to aware the students regarding Importance of Environmental Studies.

Action 4: Expert lecture on personality development are arranged.

PO 6 : Project Management

PO 6	1.25	1.30	Guidance in planning, allocating responsibilities and setting timelines to meet goals and financial management skills are highly attained.				
Action 1:Under Mini project a Action 2: Project reviews are Action 3: Working in team ab	Action 1:Under Mini project and Capstone Project planning course students are able to understand the project related issues and challenges. Action 2: Project reviews are conducted regularly. Action 3: Working in team abilities to be developed through Microprojects given in the course.						

PO 7 : Life-long learning

PO 7	1.96	1.89	Emphasis is made based on the up-gradation of knowledge and modern technologies are almost attained.				
Action 1: Students are encou	Action 1: Students are encouraged to participate in various technical competitions and events.						
Action 2: Students are motiv	Action 2: Students are motivated to carry out self-learning and self-discussion.						
Action 3: Students are provid	Action 3: Students are provided the facilities of digital library for self-learning.						

PSOs Attainment Levels and Actions for Improvement- (2021-22)

25/11/2023. 11.19

/11/2023, 11:19			Print
PSOs	Target Level	Attainment Level	Observations

PSO 1 : Modern Software and Hardware Usage: Use latest Mechanical engineering related software's for simple design, drafting, manufacturing, maintenance and documentation of Mechanical engineering components and processes

PSO 1	2.13	2.02	It is seen that the target attainment level is almost achieved.
Action 1: Expert lecture/Gue	st Lectures on Emerging Technology to b	e organised for students.	e given to students.
Action 2: Additional online st	udy material like different tutorials/ You T	ube videos on Emerging Technology to b	

PSO 2 : Equipment and Instruments: Maintain equipment and instruments related to Mechanical Engineering

PSO 2	1.75	1.74	It is seen that the target attainment level is highly achieved.
Action 1: Additional online stu	udy material like You Tube Videos to be g	given to the students which will help them pect to measuring instruments used in n	operate machines.
Action 2: Additional assignme	ents will be given to the students with res		nechanical Industry.

PSO 3 : Mechanical Engineering Processes: Mechanical Engineering processes by selecting and scheduling relevant equipment, substrates, quality control techniques, and operational parameters.

PSO 3	1.61	1.67	It is seen that the target attainment level is highly achieved.
Action1: Students during the Action2: Use of different mar	ir industrial training will be asked to conc	entrate on different manufacturing proces	sses / techniques.
	nufacturing processes and their selection	criteria, scheduling of operations on diffe	erent machines are taught in the MPR subject.

7.2 Improvement in Success Index of Students without the backlog (10)

Total Marks 10.00

Institute Marks

Items	Latest Passed out Batch (2019-20)	Latest Passed out Batch minus 1 (2018-19)	Latest Passed out Batch minus 2 (2017-18)			
Success Index (from 4.2.1)	0.30	0.19	0.02			
7.3 Improvement in Placement and Higher Studies (10) Total Marks 10.00						
7.3 Improvement in Placement an	d Higher Studies (10)		Total Marks 10.00			
7.3 Improvement in Placement an	d Higher Studies (10)		Total Marks 10.00 Institute Marks			
7.3 Improvement in Placement an	d Higher Studies (10)		Т			

Items	Latest Passed out Batch (2019-20)	Latest Passed out Batch minus 1 (2018-19)	Latest Passed out Batch minus 2 (2017-18)
Placement Index (from 4.6)	0.48	1.14	1.11

7.4 Improvement in Academic Performance in Final year (10)

Total Marks 10.00

Institute Marks

10.00

Items	Latest Passed out Batch (2019-20)	Latest Passed out Batch minus 1 (2018-19)	Latest Passed out Batch minus 2 (2017-18)
Academic Performance Index (from 4.3)	2.94	7.75	8.27

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

Items	2021-22 (CAYm1)	2020-21 (CAYm2)	2019-20 (CAYm3)
Internal Academic Audits	Conducted Inte	Conducted Inte	Conducted Inte

7.6 New Facility created in the Program (10)

.....

Total Marks 10.00

Items	2021-22 (CAYm1)	2020-21 (CAYm2)	2019-20 (CAYm3)
New Facility Created	Smart Classroc	Digital Library	Wi-Fi

8 STUDENT SUPPORT SYSTEMS (50)

8.1 Mentoring system to help at individual level (10)

Total Marks 50.00

Total Marks 10.00

25/11/2023, 11:19

8.1 Mentoring system to help at Individual Level

A) Details of the mentoring system that has been develop for the students for various purposes and also state the efficacy of each system

8.1.1 Availability mentoring Support system at RMDIOT

RMDIOT always concern about academic and holistic growth of its students and offers a mentoring system on various level and purposes to support the students. This system has been providing by the institute to cater to students from diverse socio-economic backgrounds. In order to meet the varying needs of students throughout their admission and program completion journey, the institute has provided the following stages of mentoring:

Stage-I: Pre-admission counseling and mentoring

Stage-II: Counseling and mentoring during the admission process

Stage-III: Mentoring, career guidance, and counseling during the program

Stage-IV: Post admission counseling

8.1.2 Implementation of Mentoring:

Stage-I: Pre-admission counseling and mentoring:

Pre Admission counseling and mentoring plays vital role for prospective students. To facilitate this program called the 'school connect program' is organized in different school by RMDIOT. This program involves the participation of students, parents and teachers. It serves as a platform to present comprehensive information about the diploma programs offered by the institute and the admission process. The following are the details of such program conducted in the academic years 2020-21, 2021-22, and 2022-23

Table 8.1.2.1 Details of School Connect programs from 2020-2023

Year	Visited Place	Number of school visited	Number of school covered	Number of students Addressed
2020-21	Pune city	20	20	2546
2021-22	Pune city	20	20	2755
2022-23	Pune city	20	20	3000



Image 8.1.2.1 school connect program comprehensive information about the career guidance and diploma program



Image 8.1.2.2 school connect program comprehensive information about the career guidance and diploma program



निगडी: श्री गुरू गणेश विद्यामंदिर माध्यामिक व कनिष्ठ महाविद्यालयात विद्यार्थ्यांसाठी करिअर गाईइसचे आयोजन करण्यात आले होते.

गुरू गणेश विद्यामंदिरमध्ये दहावी आणि बारावीच्या विद्यार्थ्यांना करिअर गाईड्स

निगडी, दि. १९ (वार्ताहर) - येथील श्री गुरू गणेश विद्यामंदिर माध्यामिक व कनिष्ठ महाविद्यालयाल विद्याध्यांसाठी विशेष करिअर गाईडसचे आयोजन करण्यात आले होते. प्राचार्य रसिकलाल एम धारीवाल महाविद्यालय प्राचार्य डॉ. एम. डी. बुराडे, अनिल धिटे, संघवी केशरी महाविद्यालय प्राचार्य डॉ. जयवंत देसाई, अशिष जैन, प्रा. नेमाहे, उपस्थित होते. संस्थेचे ऑनररी जनरल सेक्रेटरी ॲंड. राजेंद्रकुमार मुथा, तसेच सहायक सेक्रेटरी अनिलकुमार कांकरिया उपस्थित होते. या कार्यक्रमाची सुरुवात परम पवित्र अशा नवकार महामंत्राने झाली. त्यानंतर पाहण्यांचे स्वागत व प्रस्तावना प्राचार्य नंदकुमार ठाकूर यांनी केली. ते म्हणाले की, देशाचे भविष्य आणि भवितव्य या समोर बसलेल्या पुढील पिढीमध्ये आहे. त्यानंतर दोन्ही प्राचार्यांनी दहावी आणि बारावीनंतर पुढे काय, या प्रश्नावरील विद्याध्यांना मार्गदर्शन केले. त्यांच्या मनातील कोंडी फोडत विद्यार्थ्यांशी थेट संवाद साधला. त्याचप्रमाणे विविध विषयांवर त्यांनी सबिस्तर माहिती दिली. तसेच, या प्रक्रियेत कोणकोणत्या सवलती ज्ञानपूर्वक माहिती दिली. दोन्ही प्राचायांनी अधिक माहितीसाठी सांगताना नमद केले. संस्थेतन फार्मसी प्राचायांनी अधिक माहिती सांगताना



Image 8.1.2.3 paper article regarding school connect program

॥ पढमं नाणं तजो दया ॥ Shri Jain Vidya Prasarak Mandal's Rasiklal M. Dhariwal Institute of Technology Guru Fattechand Bhavan, Shri Fattechand Marg, Chinchwad, Pune - 411 033. Tel : 020-27353516 / 020-64106323 Date:- 28) ५) 2-3

प्रति,

मुख्याधापक

New English School Bijalie nague Chinch wal

विषय: शाळेतील १० वी व १२ वी मधील विद्यार्थ्यांना करिअर कट्टा या उपक्रमासाठी अवगत करणे बाबत

महोदय,

आम्ही रसिकलाल एम धारीवाल इन्स्टिट्यूट ऑफ टेक्रोलॉजी चिंचवड मागील वीस वर्षापासून तंत्रशिक्षण पदविकेचे अभ्यासक्रम चालवीत आहोत. शैक्षणिक वर्ष २०२१ -२२ पासून महाराष्ट्र राज्य उच्च व तंत्रशिक्षण विभाग आणि महाराष्ट्र माहिती तंत्रज्ञान सहाय्यता केंद्र यांच्या संयुक्त विद्यमाने करिअर कट्टा हा उपक्रम राववीत आहे. या उपक्रमा अंतर्गत प्रशासकीय सेवेत दाखल होण्याचे स्वप्न पाहणाऱ्या व उद्योग व्यवसायात जम बसवू इच्छिणाऱ्या विद्यार्थी आणि तरुणांना विधायक दिशा मिळण्याच्या दृष्टीकोनातून मार्गदर्शन करण्यात येणार आहे. आमच्या महाविद्यालयातील प्राध्यापक मुख्तार मोमीन यांची महाराष्ट्र शासनाने या उपक्रमासाठी पिंपरी चिंचवड समन्वयक म्हणून नेमणूक केलेली आहे.

तरी आपणास विनंती कि आपल्या शाळेतील शैक्षणिक वर्ष 2022-2023 मधील १० वी व १२ वी विद्यार्थ्यांची माहिती आम्हास द्यावी व या उपक्रमास सहकार्य करोके

perezna UNE-3

आपला विश्वास

अनिल बी थिटे

Rasiklal M. Dhadwall multicle of Technology

https://enba.nbaind.org/SARTemplates/eSARDiplomaPrint.aspx?Appid=8309&Progid=59#

11:19 Print Image 8.1.2.4 School Connect Program under career katta

Stage-II:Counseling and mentoring during the admission process

To assist students throughout the admission process, a facilitation center is set up in the Institute. Faculty member are present at the center to provide counseling, verify documents and guide candidates in completing all the necessary formalities required for admission



Image 8.1.2.5 councelling during admission process

Stage-III: Mentoring, career guidance, and counseling during the program.

a. Mentoring starts from an induction program. In accordance with the guidelines set by AICTE and MSBTE, an induction program is organized for all newly admitted students in the first year, as well as for students who are laterally admitted to the second year of all programs. This program familiarizes students with the resources available in the institute and provides an overview of the programs structure.

b. Each class in every program is assigned to Faculties called "Student Mentor" who assists students with both curricular and co-curricular activities.

c. Mentor offer assistance for any challenges students may face throughout the program.

d. At the beginning of each semester, mentors hold meetings with their respective classes.

e. They also personally meet and interact with each student, providing individual support and guidance.

f. Department heads conduct regular meetings with the mentors to oversee and support the mentoring process.

Number of faculty mentors: Two per class

Number of students per mentor: 30

Frequency of meeting: Once in a month / Need based

g. These mentoring activities serve the dual purpose of identifying academically weak and high-performing students within the department.

h. In addition to this, Anti-ragging committee, Anti-ragging squad, student grievance redressal cell and women's anti-sexual harassment cell monitor students.

have been formed to support and

Mechanical Department Mentor List

FY MEC	HANICAL
	and the second se

		In		CLASS TEACHER :MS.C.S.KULKARNI	
IOLL NO	NAME of Students	Students contact	Parents contact no.	Address	Email-ID
	INGALE DIPAK JANARDHAN	9623897274	8668843704	Flat no.8. Dwrkabai counder, Near Mahaluseri M., Colta I.	
- A	CHAROTE SACHIN MAILADEV	7350382608	9545462116	Mu post sakhara ta senesara ji himadi	dipak20ingale/ie gmail.com
3	KAMBLE TUSHAR HANUMANT	8390956597	9028557618	131/1 panmala vasahat Sinhagad road, vrundavan norsari samor.pune, Mahareshtra 411030	chikotesachin260 segmail.com
4	KAMBLE ABRISHLK RAJU	7499544930		mkhawani comer flat as Labord	tusharkamble8804 igmail.com
5	BEBALE PRATIK DATTATRAY	9011507085	8888633110	Bahan Gawada chand chiraban data and	
	BHISE OMKAR KAILAS	7020456347	8669030162	Sr.no 24/1 jay ganesh colony near msch wall Chinchwade nagar , Pimpre	pratikbebale123 #gmail.com
7	Shubham Ravindra Bhursakle	9529669010	9539669010	She bhat-done and the	ckbhise39780-a gmail.com
8	BORAADE KUNAL KANTILAL	9921353610	8805004815	Daunda patil magnet	bharsakleshubham06gmail.com
	UBALE KAVIRAJ LAXMAN	8668464222	0002004012	Chineholi kaldat tabelar kasint lilt	ramabaibarade il gmail.com
10	CHAVAN SWAPNIL ANIL	7387167538	7719829136	Aliakostara Hau sociati	kavrajubale86-ii gmail.com
11	KHANDAGALE RUTIK MADHUKAR	9325458661	7719933028	Vetal Name Chandras Chands Chine have 100 million	swapnilchavan17818)irgmail.com
12	KHANDAGALE ROHIT MADHUKAR	7058961689	8379043861	Chinchard non-virtal market Chowk, Chinchwad Goan, Pune 411033	khandagale6162 sigmail.com
13	AGTAP SHUBHAM PANDURANG	7030323520	9604718402	Anjinkyatara housing society, behind ram mandir, Ruppnager Talawade,	rohitkhandagale 705-sigmail.com
14	ESSAKIPANDIAN M	9763422485		flat up off her noch sinh la source data	Shubhamjagtap9054 g gmali.com
15	KHOLLAM AKASH RAMESH	9657737495	9657737495	Khollam niwas, 508/1 ganesh peth, mangal murti wada road, near bhairawnath tenode. Chunchenderen and the context of the contex	1.7.0.7.2
16 1	KAMBALE AKASH SURESH	8087971063	8530895420	Swami Samarth colony, Chinchus danager, Chinchus 11033	akashkhollam.aksrgmail.com
17 :	AMARTH MANOJKUMAR SONAWANE	8208284889	9822617380	Sai shraddha nark O wing that no 103	akashsureshkamb841 utgmail.com
18	ARMA TEJAS VIJAY		9423931779	ALAHAR RESIDENCY, NEAR TRINITY SCHOOL, EKTA NAGAR AKURDLPUNE	samarthsonawane156jiEgmail.co
19 5	AINI CHAITANYA DAMODAR	7038543392	9763792392	Plot no 15, rh 26, g block, Raigad housing society, sambhaji nagar, Chinchwad, pune, maharashtra	minichaitan a92@amail.com
20 5	AYKAR NIMIT PRADEEP	7775966684	9423583309	Saykar plaza anna saykar chowk Chinchwad gaon pune33	nimiteastari 22 danail com
21 G	AIKWAD SAHIL KHANDU	8446184106	9881917373	Aana bhau sathe yasaht nigdi room 165	lonit words 2496 (itemail.com
22 J.	AMDADE SHREENATH MANOJ	8446276710	9049044364	Sai sagar colony no 2 rahatni kalewadi pune-17	shreenathiam to to Lobamail com
23 5	ONAWANE ADARSH NITIN	9923527569		anand nagar, chinchwad	and commission of a grant com
24 S	HINDE AJAY BANKAT	9067271195	9822947385	Sangam hou socity	shindraisu6124/itemial.com
25 2)	ODGE OMKAR KALYAN	8767528706	9657248168	Flat No 416 Floor No 4 Building No 1 Manual Housing Society Vetalnagar Chinchwad Pune 411033	omkarnster8767/illemail.com
	HANDANE SUDESH PANACHAND	9075420670	9763904013	Shivneri colni	and the back of the dama of the second states

Image 8.1.2.6 mentor sheet for during admission process



Image 8.1.2.7 mentoring on first day of college



Image 8.1.2.8 Induction Programme 2022-23



Image 8.1.2.9 Parents teacher meeting

Stage-IV: Post admission counseling

- a. All the respective faculties take responsibility of assign students proactively even after diploma.
- b. After diploma mentor provide counseling for their choice of future education. They guide them on selection of colleges, cut off and many other things regarding degree admission processes.
- c. Mentor provides lifelong career guiding assistance.

GPS Map Camera

Pimpri-Chinchwad, Maharashtra, India JQJH+M5Q, Pawana Nagar Housing Society, Chinchwad, Pimpri-Chinchwad, Maharashtra 411033, India Lat 18.631748° Long 73.777943° 26/01/23 12:39 PM GMT +05:30

Image 8.1.2.10 Alumni meet 2022-23

Effectiveness of Mentoring:

- a. It helps students on various levels and resulted in their lifelong learning as per alumni feedback.
- b. Mentoring also helps in career guidance, training and placement.



Image 8.1.2.11 Alumni meet 2022-23

8.2 Feedback analysis and reward/ corrective measures taken, if any (10)

Total Marks 10.00

25/11/2023, 11:19

Print

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.

25/11/2023, 11:19

A. Methodology being followed for feedback collection, analysis and its effectiveness (5)

Print

8.2.1 Methodology:

a. With the aim of improving teaching-learning practices in all departments of this Institute, following feedbacks are collected from the students.

b. The feedback covers 5 parameters, as shown in the provided sample feedback. Each parameter is rated on a scale from 1-5 parameters are as follows:

- 1) Punctuality & Discipline
- 2) Domain Knowledge

3) Presentation Skills & Interaction with Students

- 4) Ability to Resolve Difficulties
- 5) Effective Use of Teaching Aids

For .	AICT	Έ	Diploma	Courses
-------	------	---	---------	---------

D - 14

w.e.f.: 2017-18

Maharashtra State Board of Technical Education

STUDENTS' FEEDBACK

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

cademic Year: 2021-22 Programme: Mechanical			Semester: I	ourth		Date: 11-4-20			
Sr. No.	Name of the Course (TH / PR)	Name of faculty	Each Parameter to be Assessed on the Scale of 01 to 05 (01 Lowest & 05 – Highest)						
			Punctuality & Discipline	Domain Knowledge	Presentation Skill & Interaction with Students	Ability to Resolve Difficulties	Effective Use of Teaching Aids	(Marks (Max 25)	
1	Computer Aided Drafting	Mr. D. T. Pawar 4 3		3	5	5	5	22	
2	Fluid Mechanics & Machinery	Mr. S. B. Survase	5	4	5	5	.5	24	
3	Manufacturing Processes.	Mr. M. M. Momin	5	5	5	5	4		
4	Mechanical Engineering Measurements	Mrs .K. R. Nemade	5	5	5	5	4	24	
5	Theory of Machine	Mr. A. A. Jain	5	3	5	53	5 5	23	
6	Environmental Studies	Mr. M.A.Sawardekar	5	5	4				
7	Fundamental of Mechatronics	Mrs. K. R. Nemade	5	5	5	5	5	25	



Image 8.2.1.1 feedback parameter

s-d-r (Name & Sign of HOD)

c. Course wise faculty feedbacks collected from students manually.

d. Towards the end of the semester after Unit Test-2 a feedback sheet is distributed among the students from all departments.

25/11/2023, 11:19

Print

e. The Head of Department fill and collects the feedback and conducts specific discussions with each faculty member regarding areas of weakness and the necessary corrective measures. The Head of Department may also suggest remedies such as organizing trainings based on identified needs and requirements.

8.2.1.2 Feedback analysis:

a. The achieved feedback for each parameter is mapped and facilitates quick analysis.

b. The provided sample demonstrates an example of feedback analysis for a course.

8.2.1.3 Effectiveness

a. The feedback received is utilized to evaluate the quality of the teaching-learning process and identify areas of weakness.

b. This feedback provides faculty members with a comprehensive understanding of how students are learning and participating in the teaching-learning process.

c. The analysis also highlights any perception gaps, comparing the self-reflection of teachers with the feedback obtained from students, thereby helping teachers identify blind spots and work towards self-improvement.

d. The feedback has resulted in faculty members adopting more effective practices, leading to increased student engagement in the learning process and the achievement of desired outcomes.

B. Record of corrective measures taken (5)

Institute Marks

5.00

B) Record of corrective measure taken:

8.2.2 Corrective Actions:

a. Faculty members also maintain a record of corrective actions taken in the current course file, which serves as a reference for future improvements.

8.2.3 Rewards:

a. In recognition of specific activities aimed at enhancing the teaching-learning process, faculty and staff members are acknowledged and felicitated as an expression of appreciation.

b. Assessment is conducted through the collection of student feedback, analysis, and implementation of corrective actions and subject result.



Image 8.2.2.1 Felicitated as an expression of appreciation





Guru Fattechand Bhavan, Shri Fattechand Marg, Pavananagar, Chinchwad, Pune - 411033. Tel.: 020-27353516

Website : www.rmdlot.com Email : rmdlot@gmail.com AICTE Approval No.: 740-89-009 (NDIP) / ET / 2000 Govt. Approval No.: PTI 202K / (479/01) TE - 2

Ref. No .: SIN PM/RMDIOT/2022-23/1987-B

Date: 0510912022

Appreciation letter

To,

Mr. M.A. Sawardekar,

Lecturer in Mechanical Dept,

Rasiklal. M. Dhariwal

Institute of Technology,

Chinchwad, Pune.

Subject: Appreciation letter for remarkable teaching

Honorable Sir,

We extend our heartfelt appreciation for your remarkable teaching. Your engaging style, expert knowledge, and approachability have had a positive impact on our students' learning experiences. The feedback we received was overwhelmingly positive, highlighting your dedication and innovative techniques. Your commitment to nurturing students' growth is commendable, and we are honored to have you as part of our esteemed faculty. Thank you for shaping future leaders and fostering a love for learning. Your influence will undoubtedly leave a lasting impression on their lives.



8.3 Feedback on facilities (5)

Total Marks 5.00

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

Print

5.00

A. students feedback on facilities, analysis and corrective action taken

Availability :

The institute possesses sufficient infrastructure to meet academic, administrative, and other requirements in accordance with the norms set by AICTE. This includes facilities for conducting lectures, practical, tutorials, library services, washrooms, and a canteen, as depicted in table 8.3.2.1.

A feedback form has been developed to gather the perspectives of stakeholders and identify areas for further improvement. Initially, feedback is obtained from students on various parameters, which are quantified as illustrated in Table **8.3.2.1**. Feedback regarding facilities is collected from students admitted in 2023, utilizing available technology in the form of a Google form. This encompasses twenty parameters, as listed below. Previously, only a few parameters were taken into consideration. The new Google form is now employed across the institute for all programs and branches. Table **8.3.2.1** presents a sample of the data received through the feedback form.

8.3.2 Analysis of feedback collected regarding facilities

Table 8.3.2.1 Feedback for Institute facility from 2023 students of all branches in the institute

Sr. No	Questions	Remarks							
		Exceller	tGood	Average	Satisfactory	leed to Impro	oveTotal		
1	Physical infrastructure of the Institute Library	33	57	33	11	17	151		
2	Collection of books, journals and reading material of the Institute Library	41	56	27	8	19	151		
3	Support and assistance of the Library Staff	47	48	27	19	10	151		
4	Amenities and Assistance provided at the Institute sports ground	24	34	29	6	58	151		
5	Support and assistance of the Institute Office Staff	57	42	26	6	20	151		
6	Canteen facilities	11	34	19	4	83	151		
7	Co-Operative store facility	33	43	27	17	31	151		
8	Internet facility	38	40	26	9	38	151		
9	Wi-Fi facility	31	36	26	12	46	151		
10	Institute Website	46	49	28	17	11	151		
11	Classroom & laboratory Infrastructure	34	47	40	13	17	151		
12	Support of Technical Staff	62	48	26	7	8	151		
13	Girls Common Room (only for female students)	29	48	21	8	45	151		
14	Drinking water facility	33	46	34	9	29	151		
15	Washroom cleanliness and maintenance	36	48	24	7	36	151		
16	Greenery in the Institute campus	55	42	31	6	17	151		
17	Cleanliness and maintenance of Institute premises	47	58	23	7	16	151		

25/11/2023, 11:19					Print			
	18	Student Hostel facility	18	49	25	12	47	151
	19	Parking facility	46	62	21	7	15	151
	20	Security Services	47	50	31	9	14	151

• The analysis of above table is done and chart is plotted as below.


After analyzing the Feedback of the responses received, it seems majority of students were satisfied with facilities. Some suggestions were received from students for improvements and those are resolved by taking corrective actions by respective higher authority and committee. In 2020-21 feedback about facilities from regular students was not taken due to pandemic situation. In pandemic situation teachers undertook Online Teaching Process so that the students attended lectures/Practicals/Tutorials Online.

8.4 Career Guidance, Training, Placement (20)

Total Marks 20.00

8.4.1 Carrier guidance:

8.4.1.1 Availability:

Carrier guidance cell is established in the institute to help the students acquire the knowledge, information, skills and experience. It helps to identify career options, and narrow them down to make one career decision. This Career decision then results in their social, financial and emotional well-being throughout.

- Institute organize expert lecture on Career Guidance and various Co-curricular topics, conduct industry visit, Industry related projects and Co-curricular activities for carrier guidance.
- Institute provides industry visit to students to give them practical knowledge of their core subjects and also they can learn how industry works, what is needed in industry. This helps students in their entrepreneurial spirit.
- Industry related projects are the best platform for students to put forth practical knowledge and skills.
- Institute always encourage students for Co-curricular activities to enhance the subject knowledge. Student's present research paper, gives PPT presentation, participates in project making competition and develops presentation skills.

Management:

8.4.1.1 Details of year wise carrier guidance lectures

Sr No	Activity	Branch		Year		
01.140.	Activity	Dranch	2020-21	2021-22	2022-23	
1	Career Guidance Lectures(guest lecture)	ME	02 (online)	07	10	
2	Industry visits	ME	02 (online)	07	07	
3	Industry related projects	ME	02 (online)	02	02	
4	Co-curricular activities (paper, poster ,PPT presentation, Project making competition, quiz, Infosys Springboard Activity)	ME	06 (online)	05	05	
5	Extra-curricular(Green Club, NSS, annual day function, sports, old age and orphanage visit, marathon)	ME	02 (online)	05	07	

Effectiveness :

The summarized details of these curricular and extracurricular activities are presented below:



Image 8.4.1.1 Industry visit at Don Bosco 2021-22



8.4.1.2 Lecture on personality development by Nupur jain 2021-22



8.4.1.3 Lecture on personality development by Nupur jain 2021-22



8.4.1.4 Poster presentation competition 2021-22



8.4.1.5 prize distribution of Tech Mania 2022 by hands Principal and HOD



8.4.1.6 Prize distribution of Tech

Mania 2022 by hands Principal and HOD



8.4.1.7 Annual day 2022-23



8.4.1.8 garaba and dandiya on Khandenavmi 2022-23

8.4.2 In plant Training

8.4.2.1 Availability

In-plant training of six weeks duration is mandatory to students. It is offered to all the eligible students in the summer vacation between second year and third year. The numbers of students who have undertaken in plant training arranged are as follows.

Management:

Table 8.4.2.1 year wise in plant training details

Sr. No.	Year	Branch	Name of company	Students Attended	Mentor
1	2020-21	ME	Biason India Industries	25	Mr. A.A. jain & M.M. Momin

			Shri Om Fab Techno services	25	Mr S.B. Survase & Mr. Palwade M.S.
			Pawan Industries	25	Mr S.B. Survase M.M. Momin V.K.Bankar
2	2021-22	ME	Biason India Industries	20	Mr. A.A. jain & M.M. Momin
			Shri Om Fab Techno services	18	Mrs.S.G.Varpe & M.M. Momin
			Pawan Industries	20	Mr. M.A. sawardekar & M.M. Momin
			Chintamani Motors	06	Mr S.B. Survase
3	2022-23	ME	Shri Om Fab Techno services	15	Mr. D.T. Pawar
			Pawan Industries	15	Mr. M.A. sawardekar
			Biason India Industries	15	Mr. A.A. jain

C) Effectiveness

In plant training gives a great amount of source for students to work in industry in the future. The trainees acquire the skill by observing, assisting and learning the job in the plant itself. It is very effectively provides following skills:

- Get tangible work experience.
- Get a perception of your chosen field.
- Start networking.
- Helps you to choose a specialism.
- Benefits you to become more self-confident.
- Boosts your CV.
- Increases your market value.

and the same the Tak	Sector 7, MIDC Bhosri, Pune- 411026.
Certifying	Completion of Industrial Training
This is to certify that B successfully completed 22/07/2023 in Biason of their Diploma Mech Candidate having since better prospects in studi	HISE OMKAR KAILAS Enrollment No 2103630025 has Industrial Training(22057) from Dt. 07/06/2023 to India Industries, Sector 7, Bhosri-411026. As a part anical Engineering Programme. We have observed that erely completed Training period and wish to him for es as well as career.
Thanking You,	
Biason India Indust	ries
Mr. Abhishek Kshirsan	zar
(HR Manager)	
Date: 22/7/2023	
Place: Sector 7, Bhosri-	411026.

Image 8.4.2.1 in plant training certificate

8.4.3 Placement:

8.4.3.1 Training and Placement Cell - Organizational Structure Availability:

Training and placement Cell is established in the institute. Organizational structure of the cell is as follow:



Image 8.4.3.1 organizational structure of the training and placement cell

8.4.3.2 Training and Placement Cell – Working/ Management:

- a. Training and placement officer (TPO) reports to the Principal of the institute. The TPO coordinates the placement of the final year students with the help of the Departmental Coordinators.
- b. For the awareness of the students the awareness meetings are arranged and the students are counseled regarding the career options.
- c. General procedure followed for placement of final year students is as below.

•The industries are invited for the conduction of placement drive in the institute or a few industries approach the placement cell.

•The job profile and eligibility criteria received from the industries are communicated to the students of the concerned department through departmental coordinators.

•The data of eligible and interested students is shared with the industries.

•The industries conduct pre-placement talk, aptitude test, group discussions and personal interviews. From March 2020 onwards all these processes are conducted online due to pandemic situation.

•The selected students are informed regarding selection.

1.Placement of Immediate Previous Batch Pass out Students:

The TPO cell also supports the industries for the placement of the immediate previous batch pass out students by communicating the details received from the industries to the willing alumni of immediate previous batch students.

2.Support to the departments for various activities related to industries:

The TPO cell supports to the departments to arrange various activities related to industries such as industrial visits, expert lectures and in-Plant training by sharing the information of the industries and the experts with the departments.

The faculty members working in TPO Cell for current year (2022-23), current year-1(2021-22), Current year-2(2020-21) is as below:

Training and Placement Officer

Name	Designation
Mr. Momin M.M.	ТРО

Departmental Coordinators

Sr. No.	Year	Name of Department	Name of departmental coordinator	Designation
1	2020-21	ME	Mr. Momin M.M.	ТРО
2	2021-22	ME	Mr. Momin M.M.	ТРО
3	2022-23	ME	Mr. Momin M.M.	ТРО





Image 8.4.3.3 Placed students through campus interview 2021-22

Effectiveness:

Table 8.4.3.1 Placement Record from 2020-21 to 2022-23

Total Total Total Total number of number of Pass number of number of student students Total number Total number of Mechanical students students students selfcampus studentsSearching of Department in the final pursue for in the final students failed employed placement for job higher year year in the final in the final education year year 85 00 27 2020-21 87 54 04 02 76 33 00 10 00 43 2021-22 23 00 37 2022-23 47 10 00 07 03 210 128 00 84 40 04 82 Total

8.5 Entrepreneurship Cell/Technology Business Incubator (5)

Total Marks 5.00

8.5. Entrepreneurship Cell /Technology Business Incubator

A. Availability

The entrepreneurship development is one of the important needs in the context of growing opportunities in the world. The Institute always concern about to develop entrepreneurial spirit in the students to be able to grab that growing market and make their identities. Therefore Institute established an Entrepreneurship Development Cell (EDC) to develop significant percentage of students towards technocrat entrepreneurs who will play a vital role for generation of wealth and employment to our country.

A. Management

The EDC's mission is to help students to develop their entrepreneurial skills through the following programs:

- Entrepreneurship awareness camp (EAC)
- workshops
- Guest lectures
- seminars
- skill development
- Industry Visit

For AICTE Diploma Courses

D – 8 w.e.f. : 2017-18

Maharashtra State Board of Technical Education DETAILS OF EXPERT LECTURES

Academic Year: 2022-23

Name of Expert &		* Course					
contact Details	l'opie	Code & CO's No.	Semester	Name of Coordinator	Date of Conduction of activity	No. of Beneficiaries	Relevance to POs& PEO
		Indu	stry Exper	t Lectures Details			
Ir. M. S. Palwade ower BI Developer, mnepresent Technologies, me)	Data Visualization	22509 (2)	5 th	Mrs. S. G. Varpe	25/11/2022	43	PO1,PO3,PO4,PSO1,PSO3
r.Vimal Ojha irector, niversity Relations, DIY uru, Pune	Electric Vehicle Technology	22652	6 th	Mr. S. B. Survase	15/02/2023	44	PO1,PO4,PSO3
r. Anil Jadhav nintamani Motors /alhekarwadi,Pune	Vehicle Maintenance	22656	6 th	Mrs.S.G.Varpe	20/3/2023	43	PO1,PO4,PO5,PSO2,PSO3
		Pers	onality Dev	elopment Details			
r. Anil Mahajan roject Head, Clean Max lar Technology Pvt. Ltd., ne)	Interview Techniques & Soft Skills	22509 (3)	5 th	Mr. M. M. Momin	12/11/2022	43	PO1,PO5,PO7,PSO3
r. P. H. Lakal anaging Director, Softs P, Pune)	Entrepreneurship Development	22509 (3)	5th	Mr. M. M. Momin	01/12/2022	44	PO1,PO5,PO6,PO7,PSO3
	r. M. S. Palwade ower BI Developer, nnepresent Technologies, ne) r.Vimal Ojha rector, iiversity Relations, DIY iru, Pune r. Anil Jadhav intamani Motors 'alhekarwadi,Pune r. Anil Mahajan roject Head, Clean Max lar Technology Pvt. Ltd., ne) P. H. Lakal ananging Director, Softs P, Pune)	r. M. S. Palwade ower BI Developer, nnepresent Technologies, ne) Data Visualization Visualization Electric Vehicle Technology ru, Pune C. Anil Jadhav intamani Motors 'alhekarwadi,Pune C. Anil Mahajan roject Head, Clean Max lar Technology Pvt. Ltd., ne) Data Technology Vehicle Maintenance Soft Skills Entrepreneurship Development	r. M. S. Palwade ower BI Developer, nnepresent Technologies, ne) T.Vimal Ojha rector, iversity Relations, DIY iru, Pune C. Anil Jadhav intamani Motors 'alhekarwadi,Pune T. Anil Mahajan roject Head, Clean Max lar Technology Pvt. Ltd., ne) P. H. Lakal ananging Director, Softs P, Pune) No. Data Visualization Electric Vehicle Technology Vehicle Maintenance Pers 22656 22656 22656 22656 22656 22656 22656 22656 22656 22656 22656 22656 22656 22656 22656 22656 22656 22656 22659 30 22509 (3) 22509 (3)	r. M. S. Palwade ower BI Developer, nnepresent Technologies, ne) Data Visualization 22509 (2) 5 th 22509 (2) 5 th Electric Vehicle iversity Relations, DIY ru, Pune Electric Vehicle Technology 22652 6 th Technology 22656 6 th Vehicle 22656 6 th Maintenance 22656 6 th Personality Dev C. Anil Mahajan roject Head, Clean Max lar Technology Pvt. Ltd., ne) Soft Skills 2509 (3) 5 th Soft Skills 22509 (3) 5 th	No. Industry Expert Lectures Details r. M. S. Palwade ower BI Developer, nnepresent Technologies, ne) Data Visualization 22509 (2) 5 th Mrs. S. G. Varpe r.Vimal Ojha rector, iversity Relations, DIY iru, Pune Electric Vehicle Technology 22652 6 th Mr. S. B. Survase r. Anil Jadhav intamani Motors 'alhekarwadi,Pune Vehicle Maintenance 22656 6 th Mrs.S.G.Varpe Personality Development Details r. Anil Mahajan roject Head, Clean Max lar Technology Pvt. Ltd., ne) Interview Soft Skills 22509 (3) 5 th Mr. M. Momin P. H. Lakal anaging Director, Softs P, Pune) Entrepreneurship Development 22509 (3) 5 th Mr. M. M. Momin	No.Of activityIndustry Expert Lectures Detailsr. M. S. Palwade ower BI Developer. nnepresent Technologies. ne)Data Visualization22509 (2)5thMrs. S. G. Varpe25/11/2022r.Vimal Ojha rector, tiversity Relations, DIY internami Motors 'alhekarwadi,PuneElectric Vehicle Technology226526thMr. S. B. Survase15/02/2023r. Anil Jadhav intamani Motors 'alhekarwadi,PuneVehicle Maintenance226566thMrs.S.G.Varpe20/3/2023Personality Development Detailsr. Anil Mahajan roject Head, Clean Max lar Technology Pvt. Ltd., ne)Interview Soft Skills22509 (3)5thMr. M. M. Momin Mr. M. M. Momin12/11/2022P. H. Lakal anaging Director, Softs P, Pune)Entrepreneurship Development22509 (3)5thMr. M. M. Momin Mr. M. M. Momin01/12/2022	No.of activityInterview Industry Expert Lectures Detailsr. M. S. Palwade ower BI Developer, nnepresent Technologies, ne)Data Visualization22509 (2)5thMrs. S. G. Varpe25/11/202243r.Vimal Ojha rector, ru, PuneElectric Vehicle Technology226526thMr. S. B. Survase15/02/202344r. Anil Jadhav intamani Motors alhekarwadi,PuneVehicle Maintenance226566thMrs.S.G.Varpe20/3/202343Personality Development Detailsr. Anil Mahajan roject Head, Clean Max lar Technology Pvt. Ltd., ne)Interview Techniques & Soft Skills22509 (3)5thMr. M. M. Momin Mr. M. M. Momin12/11/202243

Image 8.5.1 EDP cell expert Lecture

A. Effectiveness

Many students get inspired from EDC cell. Guest lecture conducted by EDC help students to develop and enhance their skills. It has impacted on students to be entrepreneur in the future. Entrepreneurship awareness program open up scope to the students. As students are even more concerns regarding detailed knowledge of their interested area and also to earn some start up cash for entrepreneurship. Student chooses to pursue higher education before entering entrepreneurship.

9 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (75)

9.1 Organization, Governance and Transparency (25)

Total Marks 75.00

Total Marks 25.00

9.1.1 State the Vission and Mission of the Institute (5)

Vision :

A lead provider of quality and affordable technical education to serve the Society

Mission :

M1: To Develop the ideal working attitude and values of the students. M2: To maintain the quality of Teaching learning Process M3: To bridge the gap between industry and institute. M4: To enhance the multidisciplinary skills of the faculty and students.

Print

9.1.2 Governing body, administrative setup, functions of various bodies, define rules procedures, recruitment and promotional policies (5)

Institute Marks

9.1.1.Governing body, administrative setup, functions of various bodies, define rules procedures, recruitment and promotional policies

A)List the Governing Body Composition, their memberships, functions and responsibilities

9.1.2.1 The Governing Body is constituted as per the guidelines of AICTE, New Delhi. Governance is a fundamental process that links the management and personnel to the various stakeholders, such as students, parents, recruitment staff and the wider community. To ensure its effectiveness and efficiency, a variety of administrative, educational, co-educational and general entities have been established with their respective roles and responsibilities.

Sr. No.	Name of committee member	Designation

1	Mr. Prakashji Rasiklalji Dhariwal (President, of S.J.V.P.M. Trust)	Chairman
2	Mr. Shantilalji Ratanchandaji Lunkad (Hon. General Secretary S.J.V.P.M. Trust)	Member
3	Adv. Rajendrakumarji Shankarlalji Mutha (Hon. General Secretary S.J.V.P.M. Trust)Member	Member
4	Mr. Prakashchandji Zumbarlalji Chopada (Treasurer of S.J.V.P.M. Trust)	Industrialist
5	Mr. Anilkumarji Motilalji Kankaria (Joint Secret. of S.J.V.P.M. Trust)	Member
6	Mr. Rajeshkumarji Noupatlalji Sakala (Joint Secret. of S.J.V.P.M. Trust)	Member
7	Mr. Walchandji D.Sancheti (Educationist and Hon. Ex. Officer)	Educationalist
8	AICTE Representative (WRO AICTE Mumbai)	Member Secretary
9	DTE Representative (Joint Director DTE Regional Office Pune)	Member Secretary
10	MSBTE Representative (Deputy Secretary MSBTE Regional Office Pune)	Member Secretary
11	Mr. A.B.Thite	Member

https://enba.nbaind.org/SARTemplates/eSARDiplomaPrint.aspx?Appid=8309&Progid=59#

	(Principal, Rasiklal M. Dhariwal Inst. Of Tech., Chinchwad)	Secretary
12	Mrs. A.A.Deshpande (HOD Computer Department)	Faculty Member
13	Mrs. S.V.Waghmare (Academic Co-ordinator)	Faculty Member

• Functions and responsibilities of Governing Body:

- 1. The Governing Body is the Supreme body responsible for the management of the Institution.
- 2. To consider the recommendation of sub-committee in respect of Infrastructure, Equipment's, Library resources, Staff and Finance for the Academic year. The sub- committee includes Heads and In-charges of Departments, Office and Library on a continuous basis
- 3. To approve the proposed Recurring and Nonrecurring Budget estimates of various departments and other sections
- 4. To scrutinize and accept Audited statement of account of each year
- 5. To approve the Teaching and Non-teaching staff posts as per the Institution load requirements
- 6. 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
- 7. To consider the report of the Principal on the status of Admissions
- 8. To consider the report and the proposals of the Principal on Academic performance of the staff and students. Recommend necessary remedial measures if needed
- 9. To approve proposals of the Principal to enhance academic atmosphere in the Institution
- 10. To consider proposals for expansion of educational activities to be made to AICTE, DTE, MSBTE such as change of Course, increase/decrease in intake capacity
- 11. Any other important policies and decisions in the future interest of the Institution

The Governing Board meets once every year, when the Director gives an update on academic performance, activities, and achievements of faculty and students during the previous half-year. These meetings are a place for discussion and reflection, leading to decisions on policy changes, budgeting, and other matters that need attention for the following half-year.

B. Minutes of the meetings and action-taken reports

Table 9.1.1 Governing body minutes of meetings

Sr.			
No.	Date of meeting	Main points discussed	Action taken

	22/07/2021	 Read and approved the MOM of last meeting. Discussion on academic admission 2021-22. Discussion on admission strategies for FY and DSY Discussion on to start artificial intelligence course in the institute and increase computer engineering admission strength from 60 to 90 with MSBTE approval. Approval for faculty recruitment against vacancy created at various departments. Discussion on conduction of different cocurricular activities in the institute.(guest lecture, industrial training) Review and discussion on institute's vision 	Approved unanimously
1.	(Google meet)	 mission statement. 8. Discussion on formation of different committees as per DTE, MSBTE and AICTE norms. 9. Discussion on many other abrupt topics. 10. Approval for the modification of the infrastructure 11. Resolution on encouragement to industry institute interactions to enrich teaching learning process. 12. Review on placement activities 13. Review of funds utilization against approved budget 	
2.	06/07/2022 Offline	 Read and approved the MOM of last meeting. Discussion on academic admission 2021-22. Discussion on admission strategies for FY and DSY to make computer lab for artificial intelligence and computer engineering students Approval for faculty recruitment against vacancy created at various departments Discussion on conduction of different co-curricular activities in the institute.(guest lecture, industrial training) Discussion on NBA Accreditation 	Approved unanimously

 8. Review and discussion on institute's vision mission statement. 9. Discussion on formation /change of different committees as per DTE, MSBTE and AICTE norms.
10. Discussion on to provide bilingual notes to students11. Approval for the modification of the
infrastructure12. Review on placement activities13. Review of funds utilization against approved budget

9.1.2.2 Administrative Setup

Organizational Structure of administrative setup is as follows:





No. of Administrative bodies are present at institute mentioned below

Sr.No.	Administrative bodies	Frequency of Meeting
A.	General Administration and Accounts	Once in a year

В.	Admission Cell	Once in a year
C.	Examination Cell	Twice in a year
D.	Academic Cell a. ICIU b. IAMC c. IQAC	Twice in a year
E.	Co-Curricular Committee	Once in a year
F.	Extra-Curricular Committee	Once in a year
G.	Sports cell	Once in a year

9.1.2.3Functions of various Bodies

A)General Administration and Accounts

- 1. Maintaining the details of staff members and Service Records
- 2. Attendance management
- 3. Students Data Management and related services
- 4. Students Fees collection and other receipts
- 5. Accounts management, Payroll, Statutory deductions and compliance
- 6. The frequency of meeting is once in an academic year.

Table 9.1.2.3.1 General Administration and Accounts Committee

No.	General Administration and Accounts Committee	Designation
1	Pro. A.B.Thite (Principal)	Chief Officer In charge
2	Mr. P.P. Purandare	Member
3.	Mr.P.P. Zore	Member

B)Admission Cell:

First Year and Direct Second year

stage 1

- 1. Counseling at various Schools for SSC appearing students
- 2. Arranging School students visit to Polytechnic Institute
- 3. Guidance about the Centralized Admission Process of State Government
- 4. List of Essential documents to be kept ready for Admission Application registration
- 5. The frequency of meeting is once in an academic year.

Stage 2

- 1. Facilitation Centre for online admission activities.
- 2. Assistance for submitting Online Admission forms to candidates
- 3. Assistance to update details during Grievance Redressal period
- 4. Assist Candidates to upload Institute and Course Options during CAP Rounds
- 5. Guidance to Students/Parents about Course details and Future prospects
- 6. Counseling the admission allotted students for document submission and payment of fees
- 7. Orient the students for Academic and Co-curricular activities

Stage 3

- 1. Upload admitted student's data on DTE/ MSBTE/Pravesh Niyantran Samiti/AICTE Portals.
- 2. Keep Documentation ready for Merit List verification.
- 3. Complete the Document Verification and Merit List Approval as per DTE RO notified Schedule.

Table 9.1.2.3.2 Admission cell Committee

Sr.No.	Admission cell Committee	Designation
1	Pro. A.B.Thite (Principal)	Chairman
2	Mrs. A.A.Deshpande (HOD, Computer Dept.)	FC In charge
3.	Mr.S.B.Khadke (Lecturer, Computer Dept.)	Coordinator
4.	Mr.A.A.Jain (Lecturer, Mechanical Dept.)	Coordinator
5.	Mr. S. Kharchane (Lecturer, Automobile Dept.)	Member
6	Ms.K.P.Solaskar (Lecturer Basic ScienceDept.)	Member
7.	Mr. R.P.Patil (Lab Assistant)	Member
8.	Mr.K.S.Lokhande (Workshop Insturctor)	Member

C)Examination Cell

The functions include

- 1. MSBTE Enrollment of newly admitted students. Smooth conduct of all External Exams.
- 2. Certificate of Backlog (COB) of Direct Second Year (DSY) / Transfer Candidates.
- 3. Examination related guidelines are forwarded to concerned staff and students from time to time.
- 4. Maintain details of Learning Disability (LD) students for awarding applicable concessions as per MSBTE norms.
- 5. Record Keeping and Safety of Exam stationary and other related Inventory.
- 6. Exam form filling of Regular and Ex-students.
- 7. MSBTE Exam Result Analysis. Result Records.
- 8. List of Staff with 100% results in summer and Winter Theory Examinations.
- 9. Intimation to staff about Result Statistics and conduct of remedial sessions in case of Poor result.
- 10. The frequency of meeting is twice in an academic year.

Table 9.1.2.3.3 Examination cell Committee

Sr. No.	Examination cell Committee	Designation
1	Pro. A.B.Thite (Principal)	Chief Officer In charge
2	Mr. S.B.Survase (HOD, Mechanical Dept.)	Vigilance Squad
3.	Mr.A.A.Jain (Lecturer, Mechanical Dept.)	Officer In charge
4.	Mr.M.A.Sawardekar(Lecturer , Mechanical Dept.)	Billing Supervisor
5.	Mr.P.G.Nemade (System Analyst)	Online clerk
6.	Mr. R.P.Patil (Lab Assistant)	Online clerk
7.	Mr.K.S.Lokhande (Workshop Insturctor)	Sealing Supervisor
8.	Mr.J.P.Dhere (Peon)	Control Room Peon

D)Academic Cell

- 1. Preparation of Prospectus, Student Hand Book.
- 2. Preparation of Annual Academic Time table.
- 3. Schedule co-curricular activities, Guest lectures, Industrial visits, Seminars
- 4. Internal Academic Monitoring, Unit Test, preparation for External Academic Monitoring, Students counseling, Industrial projects etc.
- 5. The frequency of meeting is twice in an academic year.
- 6. Academic cell works through ICUC, IAMC, IQAC committee present at the organization are mentioned below:

a)Roles and Responsibilities of ICIU,

- 1. Study curriculum implementation process and prepare curriculum plan at institute level.
- 2. Identify the resource and curriculum gaps and develop plan to make up the deficiencies.
- 3. Plan for academic calendar of the institute taking into consideration the calendar from.
- 4. Guide to the departments regarding curriculum design and its implementation.
- 5. Ensure uniform implementation of MSBTE norms for student assessment.
- 6. Analyze the reports of internal and external academic monitoring committees and adopt remedial measures.
- 7. Maintain the records of all activities in the prescribed Pro-forma.
- 8. The frequency of meeting is twice in an academic year.

Table 9.1.2.3.4 Institute Level Curriculum Implementation unit (ICIU) Committee

Sr.No	Name of ICIU Committee	Designation
01	Mr. A. B. Thite (Principal)	Ex- Officio, Chairman
02	Mrs. A. A. Deshpande, (HOD Of Computer Dept. &NBA Co- ordinator)	Ex- Officio
03	Mrs. S. V. Waghmare, (Academic Co-ordinator)	Ex- Officio
04	Mr. S. B. Survase (HOD of Mechanical Dept.)	Ex- Officio
05	Mrs. A.A. Tikle (HOD Automobile Dept.)	Ex- Officio
06	Mr. Khadke S. B. (Lecturer, Computer Department)	Member of ICIU
07	Mrs. Nemade K. R. (Lecturer, EJ Department)	Member of ICIU
08	Mr. M. Momin (Training & Placement Officer)	Member of ICIU
09	Ms. Shruti Narkhede (Student Representative)	Member of ICIU

11

b)Roles and Responsibilities of IAMC

- 1. Build up the academics in the institute by achieving learning outcomes, ensuring fulfillment of program outcomes.
- 2. Plan, develop and implement appropriate teaching, learning and assessment process.
- 3. Offer opportunities to the faculty members for enhancing their skills and experiences.
- 4. The frequency of meeting is twice in an academic year.

Table 9.1.2.3.5 Internal Academic Monitoring Committee (IAMC) Committee

Sr.No	Name	Designation
01	Mr.A.B.Thite(Principal)	Chairman & Ex –Officio of IAMC
02	Mrs.A.A.Deshpande,(HOD Of Computer Dept. &NBA Co-ordinator)	Ex- Officio of IAMC
03	Mrs.S.V.Waghmare,(Academic Co-ordinator)	Ex- Officio of IAMC
04	Mr.S.B.Survase(HOD of Mechanical Dept.)	Ex- Officio of IAMC
05	Mrs. A.A. Tikle (HOD Automobile Dept.)	Ex- Officio of IAMC

c)Roles and Responsibilities of IQAC:

- 1. Ensuring timely, efficient, and progressive performance in academic, administrative, and financial tasks.
- 2. Maintaining the relevance and quality of academic and research programs.
- 3. Promoting equitable access to and affordability of academic programs for diverse sections of society.
- 4. The frequency of meeting is twice in an academic year.

Table 9.1.2.3.6 Internal Quality Assurance Cell (IQAC) Committee

Sr. No.	Name of IQAC committee member	Designation	
1	Mr.A.B.Thite	Chairmanna	
1.	(Principal)	Chairperson	
2	Mrs.A.A.Deshpande,		
2.	(HOD Of Computer Dept.)	Member Secretory	
2	Mrs.S.V.Waghmare		
5.	(Academic Co-ordinator)	Member	

4.	Mrs. A.A. Tikle (HOD Automobile Dept.)	Member
5.	Mr.S.B.Survase (HOD of Mechanical Dept.)	Member
6.	Mrs.N.R.Dangi, (Lecturer in Computer Dept.)	Member
7.	Mr.M.Momin (Lecturer in Mechanical Dept.)	Member
8.	Mr. Omkar Patil (Alumini)	Member
9.	Ms.Sharvari Balsaraf (Alumini)	Member
10.	Mr.P.H.Lakal l(Industrialist)	Industry Member
11.	Mr. Ritesh R. Surange (Industrialist)	Industry Member
12.	Mr. P. R. Purandare (Administrative Staff)	Administrative Official Member

E)Co-Curricular Committee

The responsibilities of the Co-Curricular Committee include:

1. This cell organizes Technical event in the institute which has paper presentation, Mini project, and poster presentation competitions.

2. It also organizes different competitions such as quiz competitions, elocution competition on different occasions such as Engineer's day, Trust's vardhapan din etc.

1. The frequency of meeting is once in an academic year.

 Table 9.1.2.3.7 Co-Curricular Committee

Sr.No.	Name of the Co-Curricular Committee	Designation
1	Pro. A.B.Thite (Principal)	Chairman
2	Mr. S.B.Survase (HOD ,Mechanical Dept.)	Secretary

3	Mrs.N.R.Dangi (Lecturer Computer Dept.)	Member
4	Mrs.S.G.Varpe (Lecturer , Mechanical Dept.)	Member
5	Mr. S. Kharchane (Lecturer , Automobile Dept.)	Member
6	Mrs. S.B.Mane(Lecturer , Basic Science Dept.)	Member
7	Mr.P.G.Nemade (System Analyst)	Member

F) The responsibilities of the Extra-Curricular Committee include:

1. This cell organizes cultural events.

2. The activities include Singing, dancing, Mehndi competition, fun fair, Elocution, Rangoli, Traditional dress, Dandiya etc.

3. This cell also organizes different social activities during the year such as orphanage ,old age home visit and spending day with them.

4. Distribution of blankets to road side old aged people, distributing snacks to road side kids on the occasion of Children's Day

5. NSS activity which include "Swachata Mohim in a Village"

6. Under Green club tree plantation.

Table 9.1.2.3.8 Extra-Curricular Committee

Sr.No.	Name of the Extra-Curricular Committee members	Designation
1	Prof. A.B.Thite (Principal)	Chairman
2	Mrs.S.V.Waghmare (Academic co-ordinator)	Secretary
3	Mr.S.B.Khadke (Lecturer Computer Dept.)	Member
4	Mrs.K.R.Nemade (Lecturer, Automobile Dept.)	Member
5	Ms.S.S.Mundhe (Lecturer, Basic Science Dept.)	Member
6	Mrs. V.M.Patil (Lecturer, Basic Science Dept.)	Member
7	Mr.E.S.Shinde (Workshop Instructor)	Member

G) Sports cell

The responsibilities of the Sports Cell include:

1. This cell organizes different sports events of IDESSA D1 zone in institute include Kabaddi, Kho-Kho, Chess, Carom, wrestling etc.

2. Prepare teams for different sports event in other institute under IDESSA D1 zone

Table 9.1.2.3.9 Sport Cell

Sr.No.	Name of Sport cell Member	Designation
1	Prof. A.B.Thite (Principal)	Chairman

2	Mr.A.M.Dhepe (Lecturer Computer Dept.)	Secretary
3	Mr.S.S.Shinde (Lecturer, Automobile Dept.)	Member
4	Ms.M.M.Chavan (Lecturer, Basic Science Dept.)	Member
5	Mr. Nikam (Workshop Instructor)	Member
6	Mr.Mali (Peon)	Member

9.1.2.4 Service rules Procedure

C. The published service rules, policies and procedures with year of publication (01)

• Reruitment policy

Recruitment policy and service rules are framed for the effective administration and smooth functioning of the institute.

Recruitment Policy

A. The Process of recruitment of faculties

Faculties are recruited as per AICTE norms

1. Before the commencement of each semester the requirement of teaching staff considering Student Teacher ratio is calculated as per the norms laid down by AICTE/DTE/MSBTE by the concerned Head of the Department and same is submitted to the management through the Principal.

2. As the institute comes under the Minority status Roaster scheme is not applicable to the institute.

- 3. The advertisement is published in leading newspapers as per the vacancies.
- 4. Applications are invited from Eligible candidates within the stipulated time.
- 5. After stipulated number of days, the received applications are sorted subject-wise, post wise and a summary is prepared.
- 6. Short listing of applications of eligible candidates is done by Head of the Department of Institute in consultation with Principal as per the norms of AICTE /DTE/MSBTE.
- 7. The selection panel comprises of Chairman, Principal, Head of the Department and subject experts.
- 8. After coordinating with Selection panel members the dates of interview are finalized.
- 9. The shortlisted candidates are intimated minimum 8 days in advance as per rules about the date, time and venue of interview by sending letters / email / telephone calls.
- 10. On the day of interview, original document verification is carried out before candidates attend the Interview.
- 11. Interview of Eligible candidates is carried out by Selection Panel. Based on their performance in interview faculties are called for demo lectures. After the demo lecture selection report is submitted to management.

12. Finally Appointment orders are issued by Shri Jain Vidya Prasarak Mandal to the selected candidates and they are given a time period of 15 days to one month for joining. However, candidate needs to communicate the acceptance of appointment within 7 days from the date of order of appointment. Failing of which it will be presumed that candidate is not interested in the offer and the appointment is treated as cancelled. No further communication is entertained in such regard after due date.

B. The Process of recruitment of faculties on ad-hoc

1. A situation may arise when there may be an immediate requirement of a faculty. In such situations, faculties are recruited on ad-hoc basis.

2. Few candidates are shortlisted from the bio-data received at department level or from reference of other faculties / HOD / Principal. Technical interviews are conducted at college level by an internal committee consisting of senior faculties, HOD and Principal. The selected candidates are recommended for further approval from management.

3. After the consent from management, the recruitment of candidate is done on purely temporary ad-hoc basis for one academic year only.

C. The Process of recruitment of Technical/Non-Teaching staff

1. The requirement and availability of technical and non-teaching staff is reviewed as and when required.

- 2. The advertisement is published in leading newspapers and applications are invited within the stipulated time.
- 3. After stipulated number of days, the received applications are sorted and a summary is prepared.
- 4. Short listing of applications of eligible candidates is done by Head of the Department of Institute in consultation with Principal as per the eligibility norms.
- 5. Selection Panel is formed by Principal and Chairman with subject expert and head of department.
- 6. The shortlisted candidates are intimated minimum 8 days in advance about the date, time and venue of interview by sending letters / email / telephone calls.
- 7. On the day of interview, original document verification is carried out before candidates attend the Interview.
- 8. Interview of eligible candidates is carried out by the Panel.

9. The reports of selection panel along with the required documents are submitted to Principal and Management.

10. Appointment orders are issued by Shri Jain Vidya Prasarak Mandal to the selected candidates and they are given a time period of 15 days to one month for joining. However, candidate needs to communicate the acceptance of appointment within 7 days from the date of order of appointment. Failing of which it will be presumed that candidate is not interested in the offer and the appointment is treated as cancelled. No further communication is entertained in such regard after due date.

• Leave Policy for Teaching and Non-Teaching Staff

Under the guidelines of State Government and MSBTE ,Mumbai Institute has designed their own leave policies for teaching and non-teaching staff working in the institutes.

Rules of Leave

- · No leave can be claimed as entitlement to the employee
- Teaching and non-teaching staff should make application to the Principal for taking any type of leaves with specific reason.
- Any leave without the approval of the Principal of institute will be treated as un-authorized absence of the concerned staff and such absence will be treating as leave.
- All types of leave shall be for the respective academic year only and shall expire at the end of the said academic year.
- All the leaves and rules are applicable for each academic year i.e. from 1st June to 31 May
- The Principal will be responsible for keeping upto date records of all types of leave of teaching and non-teaching staff time to time.
- · Teaching and non-teaching staff will get benefit of this leave policy that he/she
- · Completed their minimum 3 month of his/her service period in this institute
- · Half day leave will be sanctioned by Principal
- Emergency leave will be admissible only after approval by the Principal subject to the emergency reason.
25/11/2023, 11:19

Print

A. Casual Leave

- 1. Teaching and non-teaching staffs are eligible for 10 casual leaves within the academic year.
- 2. 5 leaves are applicable for first term and remaining 5leaves are applicable for second term of academic year.
- 3. If there are more than 05 casual leave in an academic term will be sanctioned as a special matter subject to sanction of Principal of Institute.

B. Medical Leave

- 1. Teaching and non-teaching staff can take 05 medical leaves in one academic year.
- 2. These leaves will be granted only for sickness of the concerned teaching or non-teaching staff.
- 3. The teaching or non-teaching staff is seriously ill, in addition to the above leave, additional 5 days leave will be given as a special matter, for this it will be mandatory to submit the doctors medical certificate and the same doctors fitness certificate to the college after recovery.
- 4. Medical leave will be granted subject to the certificate of the competent medical officer.

C. Duty Leave

- 1. Teaching or non-teaching staff desire to take duty leave for going outside of college or out of the territory of PCMC and PMC for the academic or administrative work of the institute.
- 2. Duty leave will be sanction by Principal and Executive Officer.
- 3. Un-authorized leave will not be considered and may treat as LWP.

D. Special Leaves

- 1. The teaching and non-teaching staff will be allowed a maximum of 05 days special leave in a academic year for special / emergency occasion such as marriage of the employee, death of blood relatives and similar important reason.
- 2. Application for this type of leave should be submitted through Principal and will be granted only after the recommendation of the Executive Officer with prior approval from the Honorary General Secretary.

E. Vacation

- 1. The duration of Diwali holiday will be fixed by the management of the organization. However, when planning a summer vacation, the Principal of the college should consider the teaching, examinations and other activities in the college.
- 2. The circulars of the Department of Higher and Technical Education of the Government of Maharashtra and the circulars of Maharashtra State Board of Technical Education ,Mumbai etc. should be taken into consideration.
- 3. The pre-planned proposal for summer vacation should be approved by Hon. General Secretary. During the summer vacation, the Principal and concerned staff will be fully responsible for completing the administrative and other essential tasks of the college on time.

F. Late Mark

- 1. A casual leave will be deducted in case of maximum three late marks (with the grace period of 10 min. of incoming time and 10 min. of early departure of outgoing time) incoming and outgoing 3 times a month of teaching and non-teaching staff.
- 2. If there is no casual leave remaining, late mark will be treated as LWP.

G. Maternity Leave

- 1. The female teaching and non-teaching staff with the minimum two years continuous service, having not more than two living children, shall be entitled to maternity leave on full pay and allowances, for maximum period of 180 days, subject to the submission of necessary documents and medical certificate.
- 2. The female teaching and non-teaching staff with the minimum one year continuous service, and having not more than two living children shall be entitled for the maternity leave on half pay and allowances, for maximum period of 180 days, subject to the submission of necessary documents and medical certificate.

3. In case of miscarriage abortion, including medical termination of pregnancy, the female teaching and non-teaching staff shall be entitled to maternity leave maximum period of six weeks.

In addition to the above leave, if the principal, teachers and non-teaching staff need more leave for extraordinary reasons, the application should be accompanied by all the required documents along with the recommendation of the executive officer. It should be submitted to the Honorary General Secretary for approval. Hon. General Secretary has right to accept or reject such type of leaves.
 It is note, that the Management/Principal has right to change/ alteration the policy from time to time and same is final and binding.

9.1.2.5 Recruitment and promotional policies:

The promotion policies are followed as per AICTE norms.

The following factors are taken into account:

1.Potential to assume higher responsibilities

2.Promotion and increment is given to staff based on experience, overall performance and self-appraisal.

3. Annual increments and promotions in the grades are implemented by the management.

4. The Management takes effective decisions and provides appraisal details to the concerned staff member by incorporating the decisions in the proceedings of the meetings of the managing committee to make them aware of the improvements and Recruitment and Promotional policies

D. Extent of awareness among the employees/ students

Information related to the governing bodies, policies, rules and various processes are disseminated through college website and various meetings.

9.1.3 Decentralization in working and grievance redressal mechanism (5)

Institute Marks

5.00

9.1.1.Decentralization in Working and Grievance redressal Mechanism

A. List the names of the faculty members who have been delegated powers for taking administrative decisions

The Institute has a decentralized method of working with each staff member for the assigned responsibilities.



Image 9.1.3.1 Decentralization in working present at institute

A)Principal: Academic and Administration of the Institution.

- 1. Provide effective leadership to the Polytechnic.
- 2. Implement and monitor policies of management, decisions taken in Governing Body and Polytechnic Committee. Guide various committees and cells for effective functioning.
- 3. Approve Academic calendar, hold faculty meetings, monitor admission, academic and exam related activities. Monitor faculty performance, resolve issues (if any) to create conducive atmosphere.
- 4. Ensure safety and security measures of Institutional infrastructure and the resources.

5. Evolve future plan and prepare for progress, development and sustainability.



Image 9.1.3.1 College's Principal awarded for his excellent remarkable contribution in education

Image 9.1.3.2 College's Principal awarded for his excellent contribution in education

A)Head of the Departments/In-charge: Academic and Administration of the department

- 1. The Head of the Department is responsible for the smooth functioning of the department as per the academic calendar.
- 2. Conduct academic co-curricular, extracurricular activities of the students of the departments.
- 3. Monitoring the Industry Interaction for Guest faculty, Internship and Projects.
- 4. Assign various responsibilities such as Class Teachers, Mentors, Co-curricular co- ordinators, Academic co-ordinators, Lab In-charges etc. to Faculties and Laboratory Staff.
- 5. The staff of the department report to the Head from time to time with the results of assignments.

C) Faculties

- 1. Lecturer is answerable to the Head of concerned Department.
- 2. Effective implementation of curricula of the concerned course/ Program
- 3. Planning and delivering classroom and laboratory instructions.
- 4. Student's assessment and evaluation including tasks related with mid-term tests and term-end examinations.
- 5. Design and Development of learning resources.
- 6. Planning, setting of laboratories.
- 7. Guiding the concerned Lab Assistant in maintenance and repairs of laboratories and equipment's concerned with Laboratories and academic facilities development.
- 8. Preparing and maintaining student's records for the academic term.

9. Plan and execute student's development activities.

10. Guidance and counselling to students.

- 11. Participate in professional activities through interaction with industries, consultancy, testing continuing education and trainings, industry sponsored projects, entrepreneurship development, research.
- 12. Assist Head of department in departmental activities and providing student's services.
- 13. Keep abreast of the newer knowledge, skills and technology through self-up gradation and dissemination of knowledge through articles, books, journals, and seminars etc.
- 14. Self-development through qualification improvement, experience enrichment, professional activities and interactions with professional bodies.
- 15. Participate in non-formal mode of education for benefit of society / community.
- 16. To plan and implement the activities to take care of hygiene, safety, and housekeeping in institute.
- 17. Motivator and facilitator for carrying con-curricula and extracurricular activities for developing overall personality of students.

D) Workshop Superintendent

- 1. Workshop Superintendent is responsible to the principal in all matters concern with the workshop instructions, proper utilization of men, materials, machines and maintenance in the workshops and services to various departments.
- 2. Plan, deliver and evaluate theoretical and workshop instructions.
- 3. Design, develop and test instructional material and task for skill Training.
- 4. Procurement, erection/installation, and commissioning of plant and equipment's.
- 5. Procurement and storage of raw materials, tools, and instruments Guide students in the performance of practical tasks and exercises and evaluate their performance.
- 6. Advise and assist students and faculty members in the fabrication of their project work.
- 7. Participate in professional development activities.
- 8. Manage the maintenance of equipment's and tools in the shops including preventive and breakdown maintenance, lay down safety procedures.
- 9. Commercial, financial, personnel and security functions as stipulated.
- 10. Planning, scheduling, organizing, coordinating, and monitoring workshop training, sessions, and task of the polytechnic the course/Course
- 11. The non-teaching staff (Technical and Non-technical) is to support academic as well as administrative activities to achieve desired output according to mission and vision of the institute. Responsibilities: The responsibilities of non-teaching staff are as per the state government norms published at time to time and provide required services to all stake holders.

Table 9.1.3 List of names of the faculty who have been delegated powers of taking administrative decisions: Institute Level portfolio Distribution

Sr. No.	Name of Portfolio	Name of Coordinators
1	Principal	Prof. A.B.Thite
2	HOD Computer Engineering Department	Mrs. A.A.Deshpande
3	HOD Mechanical Engineering Department	Mr.S.B.Survase
4	5HOD Automobile Engineering Department	Mrs.A.A.Tikale
5	HOD Artificial Intelligence & Machine Learning Department	Mrs. A.A.Deshpande
6	Academic Co - ordinator	Mrs.S.V.Waghmare

7	Institute level Desuler Time Table	Mrs.A.A.Deshpande
/		Mr.S.B.Survase
8	MIS	Mr.P.R.Purandare
9	Training & Placement Officer	Mr.M.m.Momin
10	EDP Cell	Mr.A.A.Jain
11	Regular Diploma Admission ,Facilitation Center	Mrs.A.A.Deshpande
12	School Connect Program	Mr.S.B.Khadke
13	MSBTE activities	Mr.S.b.Survase
14	AICTE Compliance ,EOA and AISHE information	Mrs.A.A.Deshpande
15	Internet , LAN,CCTV	Mr.R.P.Patil
16	House Keeping	Mr.Nikam
17	IEDSSA	Mr.A.M.Dhepe
18	DBT and coordination of other scholarship	Mr.K.S.Lokhande
19	Induction Program & Counselling cell	Mr.S.B.Khadke
		Ms.S.S.Mundhe
20	Alumni Association	Mr.M.M.Momin
21	Institute website	Mr.P.G.Nemade

B)Mechanism and Composition of Grievance Redressal Cell including Anti Ragging Committee & Sexual Harassment Committee

Grievance Redressal Committee Mechanism

1. Grievance Redressal committee is formed comprising of the Principal, Head of the Departments and staff members.

2. All grievances and suggestions found in the suggestion box are analyzed by the Grievance Redressal Cell and suitable measures are taken.

3. Guidelines of the AICTE are followed

4. Regular meetings are conducted and Grievances raised are addressed.

5. Composition of Grievance Redressal Committee

a)Anti-Ragging Committee

According to the provision of All India Council Technical Education (AICTE) norms, the Principal framed the Anti-Ragging Squad during academic year 2015-2016 first.

25/11/2023, 11:19

Table 9.1.3.1 List of Members of Anti-Ragging Committee

Sr. No.	Name of committee member	Designation		
1	Mr. A. B. Thite (Principal)	Chairman		
2	Mr. S. G. Gadiya (Ex. Corporator)	Civil Representative		
3	Mr. Krishnadev Khrade (Sr. Police Inspector)	Police Representative		
4	Mr. P. M. KunKulol (Reporter Lokmat Newspaper)	Media Representative		
5	Mr. S. S. Mutha (Member Maharashtra Cricket Asso.Commitee)	NGO Representative		
6	Mrs. A. A. Deshpande (HOD Computer Dept)	Member		
7	Mrs. S.V. Waghmare (Academic Coordinator)	Member		
8	Mrs. A.A. Tikle (HOD Automobile Dept.)	Member		
9	Mr. S.B. Survase (HOD Mechanical Department)	Member		
10	Mr. P. P. Purandare (Non-Teaching Representive)	Member		
11	Mr. Sunil Pande (Parent Representive)	Member		
12	Ms. Shruti Narkhede (Student Representative)	Member		

Activities undertaken (Every year)

25/11/2023, 11:19

Print

- 1. Formation of committee by the Principal.
- 2. Planning of meetings at the beginning of the Semester
- 3. Preparation of Action plan for regular vigilance.
- 4. Display of Ragging prohibition notices on all department notice boards
- 5. Selection of the Staff representatives from each department to take rounds for prohibition of ragging.
- 6. Guiding to Institute Counselor for handling psychological issues related with ragging.
- 7. Collection of undertaking forms from all students

b)Women Grievance Redressal Committee -Internal Compliant Committee (ICC) Vishakha -

1. 1.A new section known as the "Women Grievance Redressal Committee" (WGRC) has started functioning in the college from the academic session 2011.

- 2. WGRC is formed in order to keep the healthy working atmosphere among the faculty of Polytechnic.
- 3. This Cell helps women faculty and students to record their complaints and solve their problems related to resources and personal grievances.
- 4. Woman Harassment complaints will be handled as per government guidelines.
- 5. Women's Grievance Redressal committee functions with a view to look after the general well-being of the women folk in the campus.
- 6. It organizes different women empowerment programs.
- 7. All women staff and students are members of the cell.
- 8. Any type of sexual harassment physical, verbal or mental shall come under the purview of the cell, and it is empowered to initiate proactive actions against such offences

Sr. No.	Name of committee member	Designation		
1	Mr. A.B. Thite	Chairperson		
	(Principal)			
•	Mrs. A. A. Deshpande	Manukan		
2	(HOD Computer Dept)	Wember		
2	Mrs. S.V. Waghmare	Mamhan		
3	(Academic Coordinator)	Member		
	Mrs. A.A. Tikle	Marshan		
4	(HOD Automobile Dept.)	Member		
5	Mrs. N.R. Dangi	Mambar		
3	(Lecturer Comp Dept)	Niember		
	Mrs. V. M. Patil			
6	(Lecturer Basic Science)	Member		

Table 9.1.3.2 List of Members of Women Grievance Redressal Committee

Major Activities:

- 1. Awareness of WGRC among the women students and staff in the polytechnic
- 2. Encouraging the women to address their problem to the mentors
- 3. Program on "Self Defense".
- 4. Program on Health and Hygiene
- 5. Celebrate the International womens Day on 8th March

c)Student Grievance Redressal Cell

The Student Grievance Redressal Cell functions are:

- 1. Invite student's suggestions for improving theory and practical teaching performances.
- 2. Take cognizance of the request made by students about the various facilities and implement solutions.
- 3. To resolve any conflicts among the students and to maintain a conducive environment.
- 4. Coordinates Counseling sessions to newly admitted students to deal with Stress and other problems faced.
- 5. Monitor Student activities to prevent untoward incidents.
- 6. Disobedient students are being identified and are counseled to be punctual.
- 7. To deal with any incidences involving students from time to time and report to the Principal for further action.

Table 9.1.3.3 List of Members of Student Grievance Redressal Cell

Sr. No.	Name of committee member	Designation
1	Mr. A. B. Thite (Principal)	President
2	Mrs. A. A. Deshpande (HOD Computer Dept)	Member
3	Mrs. S. V. Waghmare (Academic Coordinator)	Member
4	Mr. S.B.Survase (HOD Mechanical Department)	Member
5	Mrs. A.A. Tikle (HOD Automobile Dept.)	Member
6	Mr. S. B. Khadke (Lecturer, Comp. Dept.)	Member

25/11/2023, 11:19

Print

d)SC/ST (Prevention of Atrocities) Committee

- 1. The cell is formed to ensure fair treatment to Reserve Category staff and students. Institute's overall ambience is extremely fair for all stakeholders including students from economically weaker sections.
- 2. Administration helps the students to fill scholarship forms and complete other documentation to entitle their learning at concessional fees.
- 3. Students are properly informed about different scholarship schemes, deadlines etc. to avail the benefit.
- 4. The Cell basically aims to uplift the morale of deprived section of students and staff.
- 5. Ensure equal opportunities to all the students and staff irrespective of their background.
- 6. Encourage and motivate through counseling and personality development programs.
- 7. The Cell is formed to deal with incidences (if any) and to report about individuals responsible for atrocities and suppression.

Table 9.1.3.4 List of Members of SC/ST (Prevention of Atrocities) Committee

Sr. No.	Name of Faculty	Designation
1	Prof. A.B.Thite	Chairman
2	Mr.D.T.Pawar	Member
3	Mr.M.A.Sawardekar	Member
4	Mrs. S.P. Adsul	Member
5	Mr.K.S.Lokhande	Member

9.1.4 Delegation of financial powers (5)

Institute Marks

5.00

Financial powers are delegated to the Principal of the institute and principal is one of the signing authorities for financial transactions.

Provision of petty cash of Rs. 10000 /-is also made available with the Principal.

9.1.5 Transparency and availability of correct/unambiguous information in public domain (5)

Institute Marks

5.00

- 1. Transparency and availability of correct /ambiguous information in public Domain(05)
- A. Information on the policies, rules, processes is to be made availabale in web site(02)
- B. Dissemination of the information about students, faculty and staff (03)
- 1. The institute has its own website http://rmdiot.in/ (http://rmdiot.in/) .
- 2. Activities held in the institute and department are published on this website regularly.
- 3. The academic calendars of MSBTE, institute and department are published well in advance.
- 4. Time tables, project schedule, assessment and evaluation plans are made available well in advance on the noticeboards.
- 5. Information related to the institutional policies, rules and various processes are disseminated through college website.
- 6. Notice Boards are available in main block through which information is made available to the staff and students and circulars are sent to the classrooms.

9.2 Budget Allocation, Utilization, and Public Accounting at Institute level (10)

Total Marks 10.00

Summary of current financial year's budget and actual expenditure incurred(for the institution exclusively)in the three previous financial years

<u>CFY : 2022-23</u>

Total Income in 2022-23 Rs. 2,40,11,014/-				Actual Expenses in 2022-23 Rs. 3,27,79,748/-			Total Number of students in 2022-23 (524)
Fee	Govt.	Grant(s)	Other Sources	Recurring Including Salaries	Non- recurring	Special Projects/ any other	Expenses per student
2,34,30,668			5,80,346	3,24,59,089/-	3,20,659/-		62,556.77/-

CFY m1: 2021-22

Total Income in 2021-22 Rs. 1,99,68,637/-				Actual Expenses in 2021-22 Rs. 2,29,57,320/-			Total Number of students in 2021-22 (442)
Fee	Govt.	Grant(s)	Other Sources	Recurring Including Salaries	Non- recurring	Special Projects/ any other	Expenses per student
1,97,08,000			2,60,637/-	2,29,57,320/-			51,939.64

CFY m2: 2020-21

Total Income in 2020-21 Rs. 1,96,23,378/-				Actual Expenses in 2020-21 Rs. 1,63,80,546/-			Total Number of students in 2020-21 (467)
Fee	Govt.	Grant(s)	Other Sources (specify)	Recurring Including Salaries	Non- recurring	Special Projects/ any other	Expenses per student

1,94,17,200	 	2,06,178	1,63,80,546	 	35,076.12

<u>CFY m3: 2029-20</u>

Total Income in 2019-20 Rs. 1,51,88,293/-				Actual Expenses in 2019-20 Rs. 2,74,69,075/-			Total Number of students in 2019-20 (364)
Fee	Govt.	Grant(s)	Other Sources (specify)	Recurring Including Salaries	Non- recurring	Special Projects/ any other	Expenses per student
1,49,82,773			2,05,520	2,74,69,075			75,464.49

Items	Budget in 2022- 23	Actual Expenses in 2022-23	Budget in 2021-22	Actual Expenses in 2021-22	Budget in 2020-21	Actual Expenses in 2020-21	Budget in 2019-20	Actual Expenses in 2019-20			
	Non-Recurring Expenses										
Machinary And Equipments	70,000	63,449	C	0	(0 0	0	0			
Library	3,00,000	2,57,210	C	0	(0 0	0	0			
Total Non-Recurring Expenses	3,70,000	3,20,659	C	0	(0 0	0	0			
		Re	curring Expens	es							
Advertisement	1,00,000	86,914	50,000	27,890	1,75,000	0 0	1,50,000	53,936			
Affiliation Fee	60,000	60,212	60,000	45,000	1,62,000	60,000	1,35,000	60,120			
Audit Fee	10,000	9,100	10,000	6,000	20,000	6,000	10,000	6,000			

Bank Charges	10,000	8,152.96	3,000	2,579	2,689	2,152	2,000	978.15
Books & Periodicals	1,00,000	96,737	5,000	230	12,500	0	35,000	29,080
Cleaning	4,00,000	3,80,717	3,00,000	3,69,500	1,50,000	88,155	3,50,000	3,32,372
Computer Repairs & Maintenance	1,00,000	99,303	1,00,000	2,58,907	1,70,328	1,41,940	2,20,000	2,20,275
Educational Material Expenses	3,00,000	1,51,524	5,00,000	13,130	1,00,000	1,820	1,00,000	11,949
Educational Processing Expenses	1,00,000	83,924	1,50,000	1,08,309	1,50,000	32,590	2,00,000	1,86,951
Electricity Charges	3,00,000	2,78,940	2,50,000	1,60,680	1,75,000	1,06,760	2,00,000	3,73,980
Examination Expenses	1,00,000	92,794	50,000	1,975	62,500	0	60,000	55,573
Function & Festival	70,000	52,959	50,000	9,818	4,000	2,570	50,000	41,865
Graden Expenses	0	0	77,000	70,987	0	68,915	0	77,088
Honorarium	50,000	21,683	1,00,000	0	1,00,000	0	50,000	4,600
Other Expenses	1,000	318	0	0	10,000	0	10,000	C
Insurance	50,000	42,352	67,500	29,158	0	0	0	C
Postage Courier & Communication	2,00,000	1,98,310	2,00,000	1,94,402	1,50,000	1,53,480	5,000	1,609
Printing & Stationary	1,00,000	74,882	50,000	18,393	20,102	16,082	2,00,000	1,92,793
Prizes	20,000	6,800	25,000	9,100	25,000	0	20,000	8,500

Professional Fees	50,000	46,194	75,000	37,394	75,000	37,394	60,000	35,700
Provident Fund	8,00,000	8,00,064	3,00,000	2,46,471	1,50,000	1,05,278	2,50,000	1,54,137
Property Tax	15,00,000	14,68,511	12,76,156	14,51,494	1600000	1504282	16,00,000	15,17,829
Repairs & Maintenance	27,00,000	26,78,614	3,60,000	3,58,087	15,000	12,394	1,00,000	98,208
Salary	2,30,00,000	2,07,51,103	1,70,79,852	1,54,37,264	1,75,00,000	95,74,429	2,00,00,000	1,83,22,431
Security Expenses	4,10,000	4,08,097	3,00,000	3,83,194	3,70,000	2,95,524	3,00,000	2,83,308
Sports Material & Expenses	50,000	31,970	50,000	0	1,00,000	0	50,000	7,500
Staff Uniform	30,000	27,980	10,000	0	30,000	0	20,000	18,060
Telephone & Internet Expenses	10,000	5,272	15,000	10,655	2,00,000	4,566	3,00,000	2,69,696
Transport & Octroi	5,000	2,300	10,000	700	10,000	300	10,000	3,950
Travelling & Conveyance	20,000	14,750	25,000	4,286	20,000	2,500	2,60,000	25,478
Water Charges	30,000	23,913	40,000	33,500	6,300	5,210	35,000	457
Website Expenses	9,000	1,416	7,000	1,239	10,000	1,239	7,000	1,239
Xerox Expenses	20,000	14,665	5,000	4,106	7,000	4,043	5,000	18,731
Building Usage Charges	35,00,000	34,65,000	30,00,000	29,70,000	35,00,000	33,00,000	40,00,000	39,60,000
Depreciation	10,00,000	9,73,618	7,00,000	6,92,872	10,00,000	8,52,923	11,00,000	10,94,682
Total Recurring Expenses	3,52,05,000	3,24,59,088.96	2,53,00,508	2,29,57,320	2,60,82,419	1,63,80,546	2,98,94,000	2,74,69,075.15

Table 1 - CFYm1 2021-22

Total Income 19968637			Actual expenditure(till)	Total No. Of Students 442			
Fee	Govt.	Grants	Other sources(specify) Admission Forr	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
19708000	0	0	260637	22957320	0	0	51939.64

Table 2 - CFYm2 2020-21

Total Income 19623378			Actual expenditure(till)	Total No. Of Students 467			
Fee	Govt.	Grants	Other sources(specify) Admission Forr	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
19417200	0	0	206178	16380546	0	0	35076.12

Table 3 - CFYm3 2019-20

Total Income 15188293			Actual expenditure(till)	Total No. Of Students 364			
Fee	Govt.	Grants	Other sources(specify) Admission Forr	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
14982773	0	0	205520	27469075	0	0	75464.49

9.2.1 Adequacy of Budget Allocation (4)

Adequacy of budget allocation -

In the beginning of every academic year, HoDs meeting is convened to discuss in detail about the budget requirement for various departments for the academic year concerned. Based on the discussions, HoDs are directed to submit a detailed proposal taking into account the increase in intake, revised curriculum and syllabus and the various events planned. The proposals received from all the departments are consolidated and submitted to the management for the sanction of the budget. The management usually allocates the budget considering the urgency of proposals. Always, sufficient budget has been allocated by the management to fulfil the requirements of various sections and departments of the institute.

CFYm1 2021-22		CFYm2	2020-2021	CFYm3 2019-20		
Budget In 2021-22	Actual Expenses in 2021-22	Budget In 2020-21	Actual Expenses in 2020-21	Budget In 2019-20	Actual Expenses in 2019-20	
2,53,00,508	2,29,57,320	2,60,82,419	1,63,80,546	2,98,94,000	2,74,69,075.15	

Print

	Budget S	anctioned	Expe	enses	Remark
Financial Year	Non- Recurring	Recurring	Non- Recurring	Recurring	
2021-22	0	2,53,00,508	0	2,29,57,320	
2020-21	0	2,60,82,419	0	1,63,80,546	
2019-20	0	2,98,94,000	0	2,74,69,075.15	

Institute Marks

+ Utilization of allocated funds-

Each department HoD after receiving the approved budget convene a meeting and discuss the step by step procedure for procuring the equipment and consumables required for the department Faculty who are in charge of the laboratories and course coordinators are nominated to involve in the purchase of equipment's. The nominated faculty members identify the companies/ agencies to receive the quotations and then prepare a comparative statement. The comparative statement will be submitted to the purchase Committee to get approval from the management and then place orders to procure the items. The HoD periodically monitor the faculty members involved in the purchase and take necessary efforts to see that the purchase of items is complete in all respects and the allocated funds are fully.

CFYm1 2	021-22	CFYm2 20	20-2021	CFYm3 2019-20		
Actual Expenses in 2021-22	Budget In 2021-22	Actual Expenses in 2020-21	Budget In 2020-21	Actual Expenses in 2019-20	Budget In 2019-20	
2,29,57,320	2,53,00,508	1,63,80,546	2,60,82,419	2,74,69,075.15	2,98,94,000	

9.2.3 Availability of the audited statements on the institute's website (2)

The recent audit reports are available with the institute and have been made available on the institute website i.e. rmdiot.in

9.3 Department Specific Budget Allocation, Utilization (5)

Total Marks 5.00

Institute Marks 2.00

Mechanical Engineering

CFYm	2022-23	CFYm1 2021-22		CFYm 2	2020-2021	CFYm3 2019-20	
Budget In 2022-23	Actual Expenses in 2022-23	Budget In 2021-22	Actual Expenses in 2021-22	Budget In 2020-21	Actual Expenses in 2020-21	Budget In 2019-20	Actual Expenses in 2019-20
84,37,500	81,42,108	41,91,600	39,06,637	25,55,000	22,30,707	46,64,000	42,50,504

		Meo	chanical E	ngineerin	g			
Items	Budget in 2022- 23	Actual Expenses in 2022- 23	Budget in 2021- 22	Actual Expenses in 2021- 22	Budget in 2020- 21	Actual Expenses in 2020- 21	Budget in 2019- 20	Actual Expenses in 2019- 20
Non-Recurring Expenses								
Machinary & Equipments Purchase	70,000	63,449	0	0	0	0	0	0
Total Non-Recurring Expenses	70,000	63,449	0	0	0	0	0	0
		R	ecurring I	Expenses				
Affiliation Fee	15,000	15,053	15,000	15,000	40,000	15,000	34,000	15,000
Repairs & Maintenance	2,800,000	2,678,614	360,000	358,087	15,000	12,394	100,000	98,208
Function & Festival	52,500	39,719	16,600	6,546	0	0	30,000	15,632
Salary	5,500,000	5,345,273	3,800,000	3,527,004	2,500,000	2,203,313	4,500,000	4,121,664
Total Recurring Expenses	8,367,500	8,078,659	4,191,600	3,906,637	2,555,000	2,230,707	4,664,000	4,250,504

Table 1 :: CFY 2022-23

Total Budget 8437500		Actual expenditure (till): 8142108			
Non Recurring Recurring		Non Recurring	Recurring		
70000	8367500	63449	8078659		

Table 2 :: CFYm1 2021-22

Total Budget 4191600		Actual expenditure (till): 3906637			
Non Recurring Recurring		Non Recurring	Recurring		
0	4191600	0	3906637		

Table 3 :: CFYm2 2020-21

Total Budget 2555000		Actual expenditure (till): 2230707		
Non Recurring	Recurring	Non Recurring	Recurring	
0	2555000	0	2230707	

Table 4 :: CFYm3 2019-20

.

Total Budget 4664000		Actual expenditure (till): 4250504		
Non Recurring	Recurring	Non Recurring	Recurring	
0	4664000	0	4250504	

9.3.1 Adequacy of Budget Allocation (2)

.....

Institute Marks

2.00

The Head of the department suggests the concerned lab in charges to give the budget needed for the coming academic year. The Lab in charge gives, both, Recurring and Non - Recurring expenditure needed for the lab. Based on the budget gave by different Lab in charges the a last budget proposition will be set up with the accompanying things

Laboratory equipment's

- Laboratory consumables
- Maintenance costs
- Miscellaneous costs

Budget given by the institute to the department is sufficient to keep up and acquire new things for the department, to meet the scholarly prerequisites. The yearly budget is prepared according to the needs & requirements of the departments taking into consideration of annual intake of students, laboratory & infrastructure developments. The budget allocation and utilization for the last four years is adequate.

CFYm1	2022-23	CFYm1	2021-22	CFYm 2	020-2021	CFYm3	2019-20
Budget In 2022-23	Actual Expenses in 2022-23	Budget In 2021-22	Actual Expenses in 2021-22	Budget In 2020-21	Actual Expenses in 2020-21	Budget In 2019-20	Actual Expenses in 2019-20
84,37,500	81,42,108	41,91,600	39,06,637	25,55,000	22,30,707	46,64,000	42,50,504

Budget Sand		nctioned Expenses		enses	Remark
Financial Year	Non- Recurring	Recurring	Non- Recurring	Recurring	
2022-23	70,000	83,67,500	63,449	80,78,659	
2021-22	0	49,91,600	0	39,06,637	
2020-21	0	25,55,000	0	22,30,707	
2019-20	0	46,64,000	0	42,50,504	

Mechanical Engineering

9.3.2 Utilization of allocated funds (3)

Institute Marks

3.00

The allocated funds are utilized properly and are adequate as per the Academic requirements. The budget funds are utilized on priority basis as per the requirements of department based on availability of funds. However, all recurring and non-recurring expenditure of departments is met in full (including salaries, lab consumables etc.)

Mechanical Engineering

CFYm1	2021-22	CFYm1 2	2021-22	CFYm 20	20-2021	CFYm3 2	2019-20
Actual Expenses in 2022-23	Budget In 2022-23	Actual Expenses in 2021-22	Budget In 2021-22	Actual Expenses in 2020-21	Budget In 2020-21	Actual Expenses in 2019-20	Budget In 2019-20
81,42,108	84,37,500	39,06,637	41,91,600	22,30,707	25,55,000	42,50,504	46,64,000

9.4 Library and Internet (20)

(It is assumed that zero deficiency report was received by the institution, Effective availability and utilization to be demonstrated)

Total Marks 20.00

9.4.1 Quality of learning resources (hard/soft) (10)

9.4Library

1. Quality of learning resources (hard/soft)

Library and Information Centre has a collection of over 9656 books.

The library is computerised with Vriddhi software.

The Library facilities include:

- Reading room with issue of text/reference books.
- Home issue of 2 books per students.
- Book Bank facility is provided to students every Semester.
- Free Book Bank sets are issued to SC/ST students.

The Library has subscription of National as well as International journals.

The Reading room can accommodate over 45 students and separate area for staff.

1. AICTE Zero deficiency reports were received for all the assessment years.

A. Available learning and digital resources

- Number of titles :1655
- Number of volumes :9656
- CDs :100
- Student Project reports :256
- International / National journals :15
- Availability of digital library content :yes
- Availability of an exclusive server :yes
- Availability over Intranet/Internet :yes
- Number of users per day :18
- Number of E-books :433

B. Accessibility to students:

- 1. The library works on all days of the year (excluding Government holidays) to the students.
- 2. Under issue section, students get two books on their library card for seven days.
- 3. During working hours of the library, students can access books for reading in the reading room facility on their library card.
- 4. Faculty gets reference books according to their need and for flexible durations.
- 5. Journals are subscribed at regular intervals.
- 6. Search can be done by using VRIDDHI s/w.

25/11/2023, 11:19

C.Titles and volumes:

		Journals/ Magazines	
Academic Year	Total No. of Volumes	Total No. of Titles	Total No. of Journals
2022-23	8590	1655	15
2021-22	7951	1625	-
2020 - 21	7900	1617	-

9.4.2 Internet (10)

.

Institute Marks

10.00

Name of the Internet provider	Gazon
Available band width	100Mbps
WiFi availability	Wifi availability
Internet access in labs, classrooms, library and offices of all Departments	Internet access is available in labs, classrooms, library and offices of all de
Security arrangements	Camera survillance and firewall is available

9.5 Institutional Contribution to the Community Development (5)

Total Marks 5.00

......

25/11/2023, 11:19

9.5 Institutional Contribution to the Community Development/ Go-green

The institute conducts various programs of social importance / relevance such as Road Safety Awareness program, Electrical Safety Awareness Program, Awareness regarding use of solar energy, tree plantation, awareness on reuse and recycling e-waste with v collect NGO, old age and orphanage home visit, helping hands to flood area people (Kolhapur), make and distribute barricades to pimpri chinchwad police, make and distribute sanitizer stand in needy area, ahimsa run marathon.

💽 GPS Map Camera

Umbare Navalakh, Maharashtra, India RM2W+94F, Taluka, Maval, Umbare Navalakh, Maharashtra 410507, India Lat 18.801054° Long 73.695289° 10/03/23 11:41 AM GMT +05:30

Image 9.5.1 NSS camp at Navlakh Umbre 2022-23



Image 9.5.2 Ganesh Idol making workshop under green club activity



Image 9.5.3 reuse recycle activity with V collect(NGO) under green club activity



Image 9.5.4 Visit to old age home in chinchwad 2022-23



Image 9.5.5 participated in world record holder ahimsa run marathon rally



Image 9.5.6 AI students visit to orphanage home in chinchwad 2022-23



Image 9.5.7 organized and Conduct Job fair 2019-20



Image 9.5.8 make and distribute barricades to pimpri chinchwad police
Print



Image 9.5.9 helping hands to flood area people (Kolhapur)

9.6 Alumni Performance and Connect (10)

Total Marks 10.00

25/11/2023, 11:19

9.6 Alumni Performance and Connect

- The Alumni meet committee member organized and conduct Annual Gathering to reach and engage alumni with present students by building strong bonds between Alumni, Students and the Institute.
- The Alumni meet committee is for effective coordination with department, each department has Alumni coordinator.
- Alumni of RMDIOT are working at respectable positions in various industries, government departments, research organizations or educational institutes. Many of them are entrepreneurs too.



Image 9.6.1 Alumni meet 2022-23

Print

GPS Map Camera

Pimpri-Chinchwad, Maharashtra, India

JQJH+M5Q, Pawana Nagar Housing Society, Chinchwad, Pimpri-Chinchwad, Maharashtra 411033, India Lat 18.631748° Long 73.777943°

26/01/23 12:39 PM GMT +05:30

Image 9.6.2 Alumni meet 2022-23



Image.9.6.3 Registration certificate of alumni association

Sr. No	Name	Signature
1.	Mr. Anil Bhausaheb Thite	Brin
2.	Mr. Harshal Rakesh Gaikwad	Harshull
3.	Mr. Ganeshkumar Arjun Kokate	201 - DEL
4.	Mr. Chetan Rajendra Lunkad	Ohesein:
5.	Mr. Ajay Rambadhur Mourya	And
6.	Mr. Milind Ramesh Kamble	Table
7.	Mr. Akash Bharat Kale	Aron
8.	Mr. Akash Kailas Jawalkar	the
9.	Mr. Shubham Sunil Shinde	Al 11 Ali De

Image.9.6.4 list of members of alumni association

https://enba.nbaind.org/SARTemplates/eSARDiplomaPrint.aspx?Appid=8309&Progid=59#

25/11/2023, 11:19

Print

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)

PSO ²	1 Modern Software and Hardware Usage: Use latest Mechanical engineering related software's for simple design, drafting, manufacturing, maintenance and documentation of Mechanical engineering components and processes	
PSO	Equipment and Instruments: Maintain equipment and instruments related to Mechanical Engineering	
PSO	3 Mechanical Engineering Processes: Mechanical Engineering processes by selecting and scheduling relevant equipment, substrates, quality control techniques, and operational parameters.	

Declaration

The head of the institution needs to make a declaration as per the format given -

- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute willbe initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, postvisit and subsequent to grant of accreditation.

Head of the Institute Name : A B Thite Designation : Principal Signature :

PRINCIPAL Rasiktal M. Dhariwal Institute of Technology Chinchwad, Pune-411 033. Seal of The Institution :



Place : Chinchwad, Pune Date : 09-11-2023 13:29:39