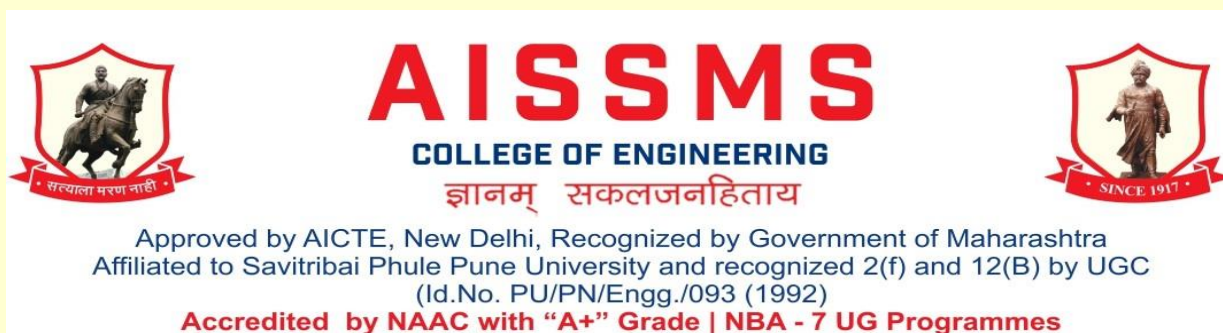


Internal Quality Assurance Cell



DEPARTMENT OF MECHANICAL ENGINEERING ANNUAL REPORT

(15 JUNE 2023 to 14 June 2024)

TERM ONE: 15 June to 30 November

TERM TWO: 01 December to 14 June

Academic Year 2023 – 24

Guidelines:

*Fill up this sheet for all the contributions /activities conducted at **Department level only**.*

- ❖ *In case data does not exist please mention it as 'No Data'.*
- ❖ *Please add rows to the table below to suit your requirements*
- ❖ *Ensure that data does not differ from other official records and all the supporting documents are available.*
- ❖ *Use: Font Type: Times New Roman, Font Size: 12, Sentence case, Spacing: 1.15*
- ❖ *Use a separate row for every details.*
- ❖ *For any queries, you may contact: Dr C S Choudhari, Coordinator, IQAC*
- ❖ *email: iqac@aiissmscoe.com*

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1. PROFILE OF DEPARTMENT

VISION OF DEPARTMENT

To be recognized as a premium centre in the field of Mechanical Engineering Education

MISSION STATEMENTS OF DEPARTMENT

- **To strive continuously for an advancement of academics and lifelong learning through an effective teaching learning process.**
- **To strengthen industry-institute interface, association with professional societies to develop leadership, team work and industry oriented attributes through internship.**
- **To develop skill based mechanical engineering professionals for sustainable development through project based learning and active research**

1.1 INTRODUCTION

Year of Establishment	1992 Mechanical, 1996 Mechanical (Sandwich Pattern)
UG Programmes	Mechanical & Mechanical SW
PG Programmes	Design Engineering
Number of Teaching Staff	30
Number of Non-Teaching Staff	06 + 06 = 12

1.2 LABORATORIES IN THE DEPARTMENT

Name of Laboratory	
Heat Engine Lab	Automotive System Lab
Metallurgy Lab	Automotive Chassis lab
Heat Transfer Lab	PG Software Lab Auto
Theory of Machine Lab	PG Lab Design
Dynamics of Machinery Lab	BME Lab
Drawing Hall	Central Facility
Fluid Machinery Lab	Mechatronics
Fluid Power Lab	Computer Graphics Lab
Refrigeration & Air conditioning Lab	Computer Center
Metrology Lab	Inhouse Project
Computer Aided Design Lab	ComputerAided Engineering Lab
Research Lab	

1.3 SOFTWARES AVAILABLE IN THE DEPARTMENT

Software Available	
1. AutoCAD 2009 & 2022	5. Master CAM X9
1. Pro/Engineer WildFire 5.0	6. ANSYS 17.2 & 23.0
3. Altair Hyperworks R11	7. MSC Adams
4. MATLab	

1.4 FACULTY IN THE DEPARTMENT

Name of faculty	Designation
Dr S V Chaitanya	HOD & Associate Professor
Dr B D Bachchhav	Professor
Dr M R Phate	Professor
Dr D Y Dhande	Professor
Dr Mrs P S Gajjal	Associate Professor
Dr M S Deshmukh	Associate Professor
Dr A V Waghmare	Associate Professor
Dr S H Wankhade	Associate Professor
Dr C S Choudhari	Associate Professor
Dr S R Patil	Assistant Professor
Mr V R Patil	Assistant Professor
Mr P V Deshmukh	Assistant Professor
Mr R A Marne	Assistant Professor
Dr C S Dharankar	Assistant Professor
Dr S J Navale	Assistant Professor
Mr M U Gan	Assistant Professor
Mr P S Aglawe	Assistant Professor
Mr O A More	Assistant Professor

Mrs Y K Funde	Assistant Professor
Mrs A T Thombare	Assistant Professor
Mr G P Lohar	Assistant Professor
Mrs M P Shah	Assistant Professor
Dr M R Dahake	Assistant Professor
Mr N N Gotkhindikar	Assistant Professor
Dr M M Sayyad	Assistant Professor
Dr. D S Malwad	Assistant Professor
Mr S A Ansari	Assistant Professor
Ms P R Tete	Assistant Professor
Mr Y P Patil	Assistant Professor
Mr J S Supekar	Assistant Professor

1.5 DETAILS OF SUPPORTING STAFF

Name of non-teaching staff	Designation
Mr J N Khiratkar	Technical Assistant
Mr A A Jachak	Technical Assistant
Mr S K Jogdand	Lab. Assistant
Mr O R Chavan	Lab. Assistant
Mr V B Gade	Lab. Assistant
Mr A D Raut	Lab. Assistant
Mr G B Mate	Attendant
Mr P R Pharande	Attendant
Mr R D Nalawade	Attendant
Mr P D Mahajan	Attendant

Mr S M Waghmare	Attendant
Mr R S Amolik	Attendant

1.6 STUDENTS' ENROLLMENT

Program	GEN		SC		ST		OBC		PWD		Others		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
UG (Mechanical)	88	19	40	16	1	0	92	21	0	0	180	27	401	83
UG (Mech SW)	36	5	22	5	1	0	44	3	0	0	102	12	205	25
PG (Design)	1	0											01	0

1.7 STUDENTS-FACULTY FEEDBACK DETAILS

Term One					
Sr. No.	Name of faculty	Class and Subject taught	Feedback (I) (%)	Feedback (II) (%)	Average Feedback (%)
1	Dr S V Chaitanya	SE A GD7TL	79	82	80.5
		BE A IE	77	78	77.5
		BE B IE	90	89	89.5
2	Dr B D Bachchhav	TE A MST	87	86	86.5
		TE B MST	79	85	82
		TE B DML	77	86	81.5
3	Dr M R Phate	TE S/W DME	71	78	74.5
		TE B DME	78	82	80
4	Dr D Y Dhande	TE S/W FCAE	80	87	83.5
5	Dr Mrs P S Gajjal	SE A SM	90	89	89.5
		SE S/W SM	68	91	79.5

6	Dr M S Deshmukh	TE B SD	84	90	87
		BE A HVAC	78	79	78.5
7	Dr A V Waghmare	BE B HVAC	84	84	84
8	Dr S H Wankhade	TE S/W MTX	80	87	83.5
		BE B PDD	84	87	85.5
9	Dr C S Choudhari	TE A HMT	75	72	73.5
		TE S/W HMT	72	82	77
10	Dr S R Patil	TE A DME	74	80	77
		TE B SD	71	82	76.2
11	Mr V R Patil	SE A ET	91	88	89.5
		TE A SD	76	77	76.5
12	Mr P V Deshmukh	SE A SMD	83	85	84
		SE S/W SMD	72	86	79
13	Mr R A Marne	BE A AD	77	76	76.5
		BE B AD	81	82	81.5
14	Dr C S Dharankar	BE A DOM	75	78	76.5
15	Dr S J Navale	TE B NSM	77	82	79.5
16	Mr M U Gan	BE A TURBO	79	78	78.5
		BE B TURBO	89	90	89.5
17	Mr P S Aglawe	SE B GD&TL	85	82	83.5
		TE S/W NSM	74	78	76
18	Mr O A More	TE A MTX	78	75	76.5
		TE B SD	84	85	84.5
19	Mrs Y K Funde	TE S/W MML	74	77	75.5
		TE B MTX	70	78	74

20	Mrs A T Thombare	TE A SD	84	77	80.5
		BE B DOM	91	90	90.5
21	Mr G P Lohar	SE S/W ET	70	80	75
		SE A GD&TL	84	96	90
22	Mrs M P Shah	SE B SMD	81	81	81
		TE B DML	76	79	77.5
		TE S/W DML	82	97	89.5
23	Dr M R Dahake	TE B HMT	82	83	82.5
24	Mr N N Gotkhindikar	SE S/W EMM	85	94	89.5
		SE A GD&TL	90	85	87.5
25	Dr M M Sayyad	SE B SM	88	84	86
		TE A SD	94	96	95
26	Dr. D S Malwad	TE A NSM	85	84	84.5
		BE B DAL	84	87	85.5
27	Mr S A Ansari	TE B ET	88	83	85.5
28	Ms P R Tete	TE A DML	85	89	87
		BE A OR	91	92	91.5
		BE B OR	91	81	86
29	Mr Y P Patil	SE A EMM	86	85	85.5
		SE B EMM	82	78	80
		TE B SD	80	80	80
		BE A DAL	71	91	81
30	Mr J S Supekar	BE A PDD	75	78	76.5
31	Dr L S Godse	SE S/W EEE	75	92	83.5
32	Ms S S Paithankar	SE A EEE	90	91	90.5

		SE B EEE	86	82	83
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Term Two					
Sr. No.	Name of faculty	Class and Subject taught	Feedback (I) (%)	Feedback (II) (%)	Average Feedback (%)
1	Dr S V Chaitanya	BE A AE	86	82	84
		BE A EEFM	77	78	77.5
		BE B EEFM	85	84	84.5
2	Dr B D Bachchhav	SE A ME	83	83	83
		BE A QRE	81	77	79
		BE B QRE	90	91	90.5
3	Dr M R Phate	BE S/W DTE	89	84	86.5
4	Dr D Y Dhande	TE B CAE	85	85	85
5	Dr Mrs P S Gajjal	BE A EHV	81	77	79
		BE B EHV	91	93	92
		BE S/W EHV	84	80	82
		SE B PBL-II	85	90	87.5
6	Dr M S Deshmukh	BE A EE	82	76	79
7	Dr A V Waghmare	TE A FPCL	78	81	79.5
8	Dr S H Wankhade	BE B CIM	87	87	87
		BE S/W PDD	85	81	83
9	Dr C S Choudhari	BE A EE	90	86	88
10	Dr S R Patil	SE A KOM	88	86	87
11	Mr V R Patil	SE S/W TE	88	83	85.5
		SE A PBL	92	89	90.5
12	Mr P V Deshmukh	TE A CAE	79	78	78.5

13	Mr R A Marne	TE A DTS	79	86	82.5
		TE B DTS	79	79	79
14	Dr C S Dharankar	BE A MDV	79	74	76.5
15	Dr S J Navale	SE A AT	85	87	86
		SE A PBL	85	89	87
16	Mr M U Gan	SE A FM	88	86	87
		SE B FM	82	84	83
17	Mr P S Aglawe	SE S/W PBL	92	93	92.5
		BE S/W AIME	81	80	80.5
18	Mr O A More	TE A SE	72	78	75
		SE B SE	75	67	71
19	Mrs Y K Funde	SE B MP	78	83	80.5
20	Mrs A T Thombare	SE B KOM	85	87	86
		BE S/W SAL	80	82	81
21	Mr G P Lohar	SE S/W KOM	79	80	79.5
		TE B FPCL	84	87	85.5
22	Mrs M P Shah	BE S/W SAL	85	76	80.5
		TE B AIML	83	85	84
23	Dr M R Dahake	SE B AT	79	84	82.5
		TE B FPCL	82	84	83
24	Mr N N Gotkhindikar	BE A CIM	90	88	89
25	Dr M M Sayyad	TE A CM	90	84	87
		TE B CM	82	76	79
26	Dr. D S Malwad	TE A AIML	84	79	81.5

		BE B MSAL	91	90	90.5
27	Mr S A Ansari	SE S/W FMM	85	82	83.5
28	Ms P R Tete	SE A PBL	74	82	78
		SE B PBL	86	83	84.5
		BE A IPOB	83	82	82.5
		BE B IPOB	95	93	94.5
29	Mr Y P Patil	BE S/W AR	82	78	80
		BE A MSAL	82	76	79
		BE B MSAL	86	88	87
30	Mr J S Supekar	SE A MP	93	92	92.5
		SE A PBL-II	95	91	93
		SE S/W PBL	91	88	89.5
		TE A ML	86	91	88.5
		BE S/W SAL	81	74	77.5
31	Dr Mridusmita Gauratra	SE A EM-III	92	90	91
		SE B EM-III	87	88	87.5
		SE S/W EM-III	85	83	84
32	Mr K B Kshirsagar	EM-III	81	77	79

1.81 RESULT ANALYSIS

Term One					
Name of faculty	Class and Subject Taught	% passing	Name of faculty	Class and Subject Taught	% passing
Dr M S Deshmukh	BE Mech A HVACR	92.54	Dr A V Waghmare	BE Mech B HVACR	85.29
Dr C S Dharankar	BE Mech A DOM	83.58	Mrs A A Tonde/Thombare	BE Mech B DOM	79.41
Prof M U Gan	BE Mech A TURBO	88.06	Prof M U Gan	BE Mech B TURBO	77.61
Mr R A Marne	BE Mech A AUTO DSG	100.00	Mr R A Marne	BE Mech B AUTO DSG	94.12
Dr D S Malwad	BE Mech A IND ENGG	96.77	Dr D S Malwad	BE Mech B IND ENGG	97.06
Mr J S Supekar	BE Mech A PROD DSG	96.30	Dr S H Wankhade	BE Mech B PROD DSG D	93.62
Miss P R Tete	BE Mech A OR	100.00	Miss P R Tete	BE Mech B OR	90.48
Dr S H Wankhade	BE Mech A IRA HON	100.00	Dr Mrs P S Gajjal	BE Mech B EHV HON	100.00
Dr D S Malwad	TE Mech A NSM	80.95	Dr S J Navale	TE Mech B NSM	85.42
Dr C S Choudhari	TE Mech A HMT	85.71	Dr M R Dahake	TE Mech B HMT	85.42
Dr S R Patil	TE Mech A DME	85.71	Dr M R Phate	TE Mech B DME	66.67
Prof O A More	TE Mech A MTX	95.24	Prof Y K Funde	TE Mech B MTX	85.42
Dr B D Bachchhav	TE Mech A MST	85.71	Dr B D Bachchhav	TE Mech B MST	87.5
Dr P S Gajjal	TE Mech A EHV HON	100.00	Mrs V V Deshmukh	TE Mech A CO STA HON	50.00

Prof P S Aglawe	TE MECH SW NSM	65.22	Dr S H Wankhade	TE MECH SW MTX	73.91
Dr C S Choudhari	TE MECH SW HMT	52.17	Dr D Y Dhande	TE MECH SW FCAE	60.87
Dr M R Phate	TE MECH SW DME	47.83	Dr M S Sayyad	SE Mech B SM	40.68
Dr Mrs P S Gajjal	SE Mech A SM	34.85	Prof Mrs M P Shah	SE Mech B SMD	81.36
Prof P V Deshmukh	SE Mech A SMD	80.30	Prof S A Ansari	SE Mech B ET	77.97
Prof V R Patil	SE Mech A ET	69.70	Prof Y P Patil	SE Mech B EMM	64.41
Prof Y P Patil	SE Mech A EMM	56.06	Prof Mrs S S Mujawar	SE Mech B EEE	87.93
Prof Mrs S S Paithankar	SE Mech A EEE	78.79	Prof N N Gotkhindikar	SE Mech SW EMM	68.51
Dr P S Gajjal	SE Mech SW SM	20.37	Dr L S Godse	SE Mech SW EEE	40.74
Prof P V Deshmukh	SE Mech SW SMD	48.14	Prof G P Lohar	SE Mech SW ET	61.11

Term Two					
Name of faculty	Class and Subject Taught	% passing	Name of faculty	Class and Subject Taught	% passing
N N Gotkhindikar	BE Mech A CIM	100	Dr S H Wankhade	BE MechB CIM	100
Dr M S Deshmukh	BE Mech A EE	94.12	Dr C S Choudhari	BE Mech B EE	94.12
Dr B D Bachchhav	BE Mech A QRE	100	Dr B D Bachchhav	BE Mech B QRE	97.92
Dr S V Chaitanya	BE Mech A EEFM	97.87	Dr S V Chaitanya	BE Mech B EEFM	95
Dr P S Gajjal	BE Mech A EHV	100	Dr P S Gajjal	BE Mech B EHV	97.87
P R Tete	BE Mech A IPOB	98.04	P R Tete	BE Mech B IPOB	100

Dr D S Malwad	TE Mech A AIML	98%	Mrs M P Shah	TE Mech B AIML	87%
Mr P V Deshmukh	TE Mech A CAE	93%	Dr D Y Dhande	TE Mech B CAE	96%
Mr R A Marne	TE Mech A DTS	76%	Mr R A Marne	TE Mech B DTS	91%
Dr M M Sayyad	TE Mech A CM	93%	Dr M M Sayyad	TE Mech B CM	98%
Mr O A More	TE Mech A SE	88%	Mr O A More	TE Mech B SE	91%
Dr M Gauratra	SE Mech A EM III	60.94%	Dr M Gauratra	SE Mech B EM III	79.31%
Dr S R Patil	SE Mech A KOM	82.81%	Mrs A T Thombare	SE Mech B KOM	91.53%
Dr S J Navale	SE Mech A AT	89.06%	Dr M R Dahake	SE Mech B AT	86.44%
Mr M U Gan	SE Mech A FM	50.00%	Mr M U Gan	SE Mech B FM	88.14%
Mr J S Supekar	SE Mech A MP	82.81%	Mrs Y K Funde	SE Mech B MP	93.22%
Mr G P Lohar	SE Mech SW KOM	69.81%	Dr P S Gajjal	BE Mech SW EHV	100
Mr S A Ansari	SE Mech SW FMM	54.72%	Dr S H Wankhade	BE Mech SW PDD	97.36
Dr B D Bachchhav	SE Mech SW ME	83.02%	Dr M R Phate	BE Mech SW DTE	98.18
Mr V R Patil	SE Mech SW TE	64.15%	Dr C S Dharankar	BE Mech SW MDV	95.54
Dr M Gauratra	SE Mech SW EM III	47.17%	Prof. P S Aglawe	BE Mech SW AIME	96.36
Prof. Y P Patil	BE Mech SW AR	100	Dr S V Chaitanya	BE Mech SW AE	100

1.9 CLASS RESULT ANALYSIS (All Classes FE to BE)

Term One												
S N	Cla ss	Number of Students									Percentage of Passing	
		Appeared	Clear Passed	Outstanding (O) (9.1 -10)	Excellent (A+) (8.1 – 9)	Very Good (A) (7.1 – 8)	Good (B+) (6.1 – 7)	Above Average (B) (5.1 – 6)	Average / pass class (4 – 5)	Fail (F) 0 – 3.99	All Clear	With ATKT
1	SE Mech A	66	18	0	3	9	5	0	1	0	27.27	100
2	SE Mech B	59	22	1	3	9	6	3	0	0	37.29	100
3	SE Mech S/W	54	7	0	2	1	4	0	0	0	12.96	100
4	TE Mech A	42	25	2	4	12	7	0	0	0	25	100
5	TE Mech B	48	25	1	5	11	7	1	0	0	25	100
6	TE Mech S/W	46	14	1	2	2	9	0	0	0	30.43	100
7	BE Mech A	67	54	6	13	21	13	1	0	0	80.60	100
8	BE Mech B	68	44	2	11	16	13	2	0	0	65.37	100
9	BE Mech S/W	55	51	46	5		0	0	0	0	92.72	100

Term Two													
S N	Cla ss	Number of Students										Percentage of Passing	
		Appeared	Clear Passed	Outstanding (O) (9.1 -10)	Excellent (A+) (8.1 – 9)	Very Good (A) (7.1 – 8)	Good (B+) (6.1 – 7)	Above Average (B) (5.1 – 6)	Average / pass class (4 – 5)		Fail (F) 0 – 3.99	All Clear	With ATKT
1	SE Mech A	65	23	0	5	14	4	0	0	0	42	35%	82%
2	SE Mech B	59	31	2	10	0	6	0	0	0	28	53%	78%

3	SE Mech S/W	53	12	0	1	8	3	0	0	0	10	22.64	81.13
4	TE Mech A	45	29	3	12	10	4	0	0	15	1	64.45	97.78
5	TE Mech B	53	34	1	12	13	8	0	0	17	2	64.15	96.22
6	BE Mech A	68	63	3	27	27	1	--	--	5	5	92.65	–
7	BE Mech B	68	62	3	20	34	4	--	--	1	6	91.18	–
8	BE Mech S/W	55	49	0	28	18	0	0	0	3	6	89.09	–

Term Two Final Result for BE Classes (Based on CGPA)

S N	Class	Number of Students									Percentage of Passing	
		Appeared	Clear Passed	Outstanding (O) (9.1 -10)	Excellent (A+) (8.1 – 9)	Very Good (A) (7.1 – 8)	Good (B+) (6.1 – 7)	Above Average (B) (5.1 – 6)	Average / pass class (4 – 5)	Fail (F) 0 – 3.99	All Clear	With ATKT
01	BE Mech A	68	63	3	27	27	1	--	--	5	92.65	–
02	BE Mech B	68	62	3	20	34	4	--	--	1	91.18	–
03	BE Mech S/W	55	49	0	28	18	0	0	0	3	89.09	–

1.10 UNIVERSITY RANKERS (Consider last five academic years)

Academic Year 2021 - 22			
Sr No	Name of the Ranker	Class	Rank
1	JAURAT SAURABH VISHWANATH	BE MECH	8th
2	KHEDKAR SUDARSHAN RAJENDRA	BE MECH SW	1st

3	KHANDELWAL SURAJ NANDKISHOR	BE MECH SW	2nd
4	DABHADE SHUBHAM ULHAS	BE MECH SW	3rd
5	GAURAV JOSHI	BE MECH SW	4th
6	KHAN SHAHID NASEEM	BE MECH SW	4th
7	GHANWAT TEJAS BALASAHEB	BE MECH SW	5th
8	DABHOLKAR ANIRUDDH RAJENDRA	BE MECH SW	6th
9	ZENDE VIDITA VIJAY	BE MECH SW	7th
10	LODH VIHANG UDAY	BE MECH SW	8th
11	VARUN PRAMOD MORE	BE MECH SW	9th
12	MUSAI SARVESH SANJAY	BE MECH SW	10th





Students Performing Practicals in Labs

2. FACULTY CONTRIBUTION

2.1 ACHIEVEMENTS OF FACULTY (AWARDS, RECOGNITION, PHD COMPLETION ETC.)

Term One		
SN	Name of Faculty	Awards & Recognitions
1.	Dr S V Chaitanya	Railway Board's prize by Institution of Engineers for the paper titled 'Complex Assembly Analysis for Geometric and Dimensional Tolerance to Obtain Selective Assembly from Partitioned Bins Using a Multi-objective Approach to Control Clearance Variation of IC Engine' (published in Series C, Volume 103 Issue 4) at 38th Indian Engineering Congress Jabalpur (MP) on 27 December 2023.
2.	Dr D Y Dhande	Railway Board's prize by Institution of Engineers for the paper titled 'Complex Assembly Analysis for Geometric and Dimensional Tolerance to Obtain Selective Assembly from Partitioned Bins Using a Multi-objective Approach to Control Clearance Variation of IC Engine' (published in Series C, Volume 103 Issue 4) at 38th Indian Engineering Congress Jabalpur (MP) on 27 December 2023.
3	Dr. M R Phate	The President of India prize by Institution of Engineers for the paper titled 'Analysis of Seat to Head Transmissibility of the Seated Human Body using Artificial Neural Network' (published in Series C, Volume 103 Issue 4) at 38th Indian Engineering Congress Jabalpur (MP) on 27 December 2023.
4	Dr S H Wankhade	OUTSTANDING INTRAPRENEURIAL TEAM AWARD – Higher Education, at the GLOBAL INTRAPRENEURS SUMMIT AND AWARDS CEREMONY 2023 on 09/11/2023.
5	Dr B D Bachchhav	Fellow-IE(I)
6	Dr S H Wankhade	Gratitude for training the conference winners and contribution to the conference organization and promotion in India.

Term Two		
SN	Name of Faculty	Awards & Recognition
1	Mr M S Swami Dr M S Deshmukh Dr M R Dahake	Best Paper Award in International Conference at SVPCOET Nagpur
2	NITIN N GOTKHINDIKAR	NPTEL SILVER

2.2 CONTRIBUTION OF FACULTY (Interaction with outside world)

Term One		
SN	Name of Faculty	Nature and details of contribution (Representation at University, State, National , International level, corporate world, Social Platforms, etc)
1.	Dr B D Bachchhav	Member, BoS, Mechanical and Materials Technology, Savitribai Phule Pune University, Pune.
2	Dr C S Choudhari	Question paper setter for the subject of “Refrigeration and Air Conditioning” at G H Raison College of Engineering and Management, Pune for Term One examination.
3	Dr C S Choudhari	Worked as a subject expert for Dr BATU Lonere UGC interviews at Arvind Gavali College of Engineering Satara on 19/08/2023.
4.	Dr D Y Dhande	Question paper setter for the subject “ Finite Element Methods”, of FY MTech, Dec 2023 at RIT, Islampur for term one.
5.	Dr D Y Dhande	Working as a Project Leader for the international research project entitled, “Development of Environmental friendly Corrosion fouling inhibitors for Marine applications' ', under research collaboration agreement with UMT, Malaysia, UKM Malaysia and Rivers state university, Nigeria.
6	Dr P S Gajjal	Subject Chairman for BE Subject: Hybrid Electric Vehicle.
7	N N Gotkhindikar	Subject Chairman for TE M/S Advanced materials and manufacturing
8	Dr. M.R.Phate	Subject Chairman for the Subject Design of Transmission Elements , BE MEch Sw
9	Dr. M.R.Phate	Subject Chairman for the Subject Operation Research, BE MEch Sw
10	Dr. M.R.Phate	Subject Chairman for the Subject Operation Research, BE MEch
11	Dr S.J.Navale	Subject Chairman for the Subject Refrigeration & Air Conditioning , BE MEch SW
12	Dr D S Malwad	Subject Chairman for the Subject Artificial Intelligence in Mechanical Engineering , BE Mech Sw
13	M U Gan	Paper Setter & Examiner for Fluid Mechanics Term-I
14	Dr. C S Dharankar	Chairman for the Subject- Machine Dynamics and Vibration , BE Mech SW
15	Dr. M. S. Deshmukh	Question paper setter for the subject of “Refrigeration and Air Conditioning” at G H Raison University Saikhede MP for Term One examination for subjects 1) Energy Conservation and Management 2)Power Engineering

16	V R Patil	Question paper setter for subject Power plant Technology,B Tech Sem VII, Bharati Vidyapeeth's College of Engineering,Pune.
17	C S Choudhari	As a session chair at the International Conference on Convergence in Technology 2023 held on 8 and 9 September 2023 at D Y Patil Pimpri.
18	Dr S.J.Navale	Subject Chairman Refrigeration & Air Conditioning BE Mech SW

Term Two		
SN	Name of Faculty	Nature and details of contribution (Representation at University, State, National , International level, corporate world, Social Platforms, etc)
1	N N Gotkhindikar	Exhibition participation in : Indigenous Technologies for Vikasit Bharat- National Science day
2	Dr. M.R.Phate	Subject Chairman for the Subject Design of Transmission Elements ,Insem BE MEch Sw
3	M U Gan	Paper Setter & Examiner for Fluid Mechanics and Machinery
4	Dr. C S Dharankar	Chairman for the Subject- Machine Dynamics and Vibration , BE Mech SW
5	V R Patil	Chairman and Paper setter for subject Thermal Engineering,SE Mechanical Sandwich. Paper setter for subject Refrigeration and Air Conditioning, Bharati Vidyapeeth's College of Engineering,Pune
6	Dr. P. R. Tete	Chairman and Paper setter for subject Operations Research ,BE Mechanical Sandwich.
7	Mr.Y. P. Patil	Chairman and Paper setter for subject Automation & Robotics, BE Mechanical Sandwich.
8	SA Ansari	Subject Chairman for SE M/S Fluid Mechanics and Machinery
9	SA Ansari	Subject Chairman for SE M/S Fluid Power Control
10	Dr S V chaitanya	Chairman for subject AE BE Mechanical Sandwich.
11	Dr. M. M. Sayyad	Reviewer appointment for manuscript submitted by Springer
12	Dr. M. M. Sayyad	Reviewer appointment for manuscripts submitted to conference ICFAMEAD2024

2.3 e CONTENT DEVELOPED BY FACULTY AND AVAILABLE ONLINE

Term One				
Sr No.	Name of Faculty	Title of e-content	e-content development facility/platform	link of the content
	N N Gotkhindikar	Mechatronics & Manufacturing	Website	nngk77engg@wordpress.com
	Dr P S Gajjal	1.Stresses and Strain 2. Slope and Deflection	Slideshare	1. www.slideshare.net/gajjal/unit-i-stresses-and-strain-psgpptx 2. www.slideshare.net/gajjal/slope-and-deflection-psgpptx

Term Two				
Sr No.	Name of Faculty	Title of e-content	e-content development facility/platform	link of the content
1	Dr P S Gajjal	1.Electric Vehicle	Slideshare	https://www.slideshare.net/gajjal/evolution-of-electric-vehicle-psgpptx
2.	Dr D Y Dhande	1.Nonlinear-and-dynamic-analysis 2.Fea-analytical-methods		(1) https://www.slideshare.net/DrDineshDhande/nonlinear-and-dynamic-analysispptx (2) https://www.slideshare.net/DrDineshDhande/fea-analytical-methodspptx (3) https://www.slideshare.net/DrDineshDhande/introduction-to-cae-and-element-propertiespptx

				<p>(4) https://www.slideshare.net/DrDineshDhande/meshing-techniquespptx</p> <p>(5) https://www.slideshare.net/DrDineshDhande/2d-finite-element-analysispptx</p> <p>(6) https://www.slideshare.net/DrDineshDhande/computer-aided-manufacturingpptx</p>
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2.4 FDP/STTP ATTENDED BY THE DEPARTMENT FACULTY

Term One				
S N	Name of Faculty	Title of the FDP/STTP	Organized by	Duration/ Dates
1.	Dr D Y Dhande	FDP on Induction Training	NITTR, Kolkata	18-29 Sept 2023
2.	Ms. P. R. Tete	One Week National Level Faculty Development Program on “Recent Advances in Mechanical Engineering (RAME-23)”	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune	24th to 28th July 2023
3	Mr.Y.P.Patil	One Week National Level Faculty Development Program on “Recent Advances in Mechanical Engineering (RAME-23)”	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune	24th to 28th July 2023
4	(Dr) M M Sayyad	One Week National Level Faculty Development Program on “Recent Advances in Mechanical Engineering (RAME-23)”	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune	24th to 28th July 2023
5	(Dr) M M Sayyad	Five days online faculty development program on COMPUTER AIDED ENGINEERING ANALYSIS USING ANSYS	VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY	17th to 21st July 2023
6	(Dr) M M Sayyad	One - week Short Term Training Program on “ Ancient Indian Knowledge for Motivation and Spiritual Health	D Y Patil College of Engineering, Pune	26th to 30th Dec 2023
7	(Dr) M M Sayyad	Three day Online Faculty Development program on "Advanced Trends in Mechanical Engineering"	Department of Mechanical Engineering, Ashokrao Mane Polytechnic, Vathar	27th December to 29th December 2023
8	Dr M R Dahake	ATAL FDP on Exploring Perspective of AI & ML in Mechanical Engineering	KKWIOEER	29th November 2023 to 3rd December 2023

9	Dr P S Gajjal	ATAL FDP on Exploring Perspective of AI & ML in Mechanical Engineering	KKWIOEER	29th November 2023 to 3rd December 2023
10	Dr.S.R.Patil	National Level One Week Faculty Development Program (FDP) on “Recent Advances and Challenges in Electric Vehicles”	KJ’s Educational Institute K J College of Engineering and Management Research, Pune	21 August 2023 to 25 August 2023
11	N N Gotkhindikar	FDP on Fundamentals of additive manufacturing	NPTEL	1.5 Weeks
12	Dr. M. R Phate	One week National Level FDP on "Recent Advances in Mechanical Engineering" RAME-2023	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune - 411 018.	24/07/2023 to 28/07/2023
13	Dr D S Malwad	One week FDP on Computer Aided Engineering Analysis Using Ansys	Vishwakarma Institute of Information Technology, Pune	From 17th to 21st July 2023
14	Dr D S Malwad	One week FDP on Recent Advances in Mechanical Engineering (RAME-23)	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune	From 24th to 28th July 2023
15	M U Gan	One Week National Level Interdisciplinary Short Term Training Program on “Exploring Quality Research and its Societal Impact”	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune.	October 09-13, 2023

		October 09-13, 2023		
16	M P Shah	Faculty Development Programme Machine Learning Application for Mechanical Engineers	CVR College of Engineering	(18th December to 23rd December, 2023)
17	A T Thombar e	Faculty Development Programme Machine Learning Application for Mechanical Engineers	CVR College of Engineering	(18th December to 23rd December, 2023)
18	A T Thombar	Faculty Development Programme Soft Skill Development	NPTEL	July to Sep 2023
19	Dr. M. S. Deshmuk h	"Recent Advancement & Development in Renewable Energy Technologies"	Sinhgad College of Engineering, wadgaon, Pune	08 th January – 13 th January 2024
20	Dr. M. S. Deshmuk h	Outcome based Education and NBA Process	A G Patil Institute of Technology	28th to 30th Dec. 2023
21	Dr. M. S. Deshmuk h	Innovative and Creative Approaches for teaching and Research	ISTE	16/01/2024 to 20/01/2024
22	Prof. G. P. Lohar	Faculty Development Program on SOLIDWORKS 2024 & 3DEXPERIENCE Hands on Workshop on FEA / CFD / MBD (Kinematics) / Solid Modeling As per SPPU Course Curriculum	Pune Vidyathi Griha's College of Engineering and Technology & G. K. Pate (Wani) Institute of Management	19th Jan24 to 23 Jan 24
23	O.A.More	One Week National Level Faculty Development Program on “Recent Advances in Mechanical Engineering (RAME-23)”	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune	24th to 28th July 2023
24	V R Patil	Faculty Development Program on Sustainable Energy Technology	NPTEL	July 23 to October 23
25	P V Deshmuk	Advancements &	Smt. Kashibai Navale College of	04.09.2023 to 08.09.2023

	h	Application in Artificial Intelligence and Machine Learning		Engineering, Pune, Maharashtra.	
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TERM 2

Sr.No	Name of Faculty	Title of the FDP/STTP		Organized by	Duration/ Dates
1	Dr. M. M. Sayyad	Sustainability and Sustainable Development Goals		Sandip Foundation, Nashik	13th to 17th May 2024

2.5 SEMINARS/ WORKSHOPS/ WEBINARS ATTENDED BY THE DEPARTMENT FACULTY

Term One				
S N	Name of Faculty	Title of the Seminar/Webinar	Organized By	Duration/ Dates
1	Dr B D Bachchhav	One day workshop on “Additive Manufacturing”	CMET, Pune	21 July 2023
2.	Dr D Y Dhande	One day IPR awareness program	IPR Office, India	30 AUGUST 2023
3.	Ms. P. R. Tete	One day Intellectual Property Awareness program	Intellectual Property Office, India	30 August, 2023
4	Mr.Y.P.Patil	One day Intellectual Property Awareness program	Intellectual Property Office, India	30 August, 2023
5	(Dr) M M Sayyad	IP Awareness/Training program under	NATIONAL INTELLECTUAL PROPERTY AWARENESS	August 30,2023

			MISSION	
6	N N Gotkhindikar	One day Intellectual Property Awareness program	Intellectual Property Office, India	30 August, 2023
7	S A Ansari	One day NPTEL E-Awareness workshop	IIT Madras	July 27, 2023
8	S A Ansari	One week STTP/FDP on RTHVAR	MMCOE Pune	26-30 December 2023
9	S A Ansari	One Week Faculty Development Program (Hybrid Mode) on “Unlocking Innovation: Exploring Research, Innovation and Patents (UIERIP-2023)”	SVERI’s College of Engineering, Pandharpur	from 17th July to 22nd July, 2023
10	S A Ansari	One Week National Level Faculty Development Program on “Recent Advances in Mechanical Engineering (RAME-23)”	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune.	24th to 28th July 2023,

Term Two				
S N	Name of Faculty	Title of the Seminar/Webinar	Organized By	Duration/ Dates
3	Ms. P. R. Tete	Webinar on Case Study of Electric 2-Wheelers	ISIE India	16 December, 2023
1	Ms. P. R. Tete	Webinar on EV Charging Infrastructure	ISIE India	20 January, 2024
2	Ms. P. R. Tete	Webinar on Understanding of Hydrogen Fuel Cell System	ISIE India	27 January, 2024
3	Dr S.J.Navale	Mentor Development Program	BYST India	21st & 22nd March 2024

2.6 CONFERENCES/ SYMPOSIUMS ATTENDED BY THE DEPARTMENT FACULTY

Term One				
S N	Name of Faculty	Title of the Conference / Symposium	Organized By	Duration/ Dates
1	Dr M R Phate	International Conference of Sustainable and Futuristic Technologies 2023	MMCOE, Pune	14/12/2023 to 15/12/2023
2.	Dr. M. S. Deshmukh	International Conferences of Advances in Mechanical Engineering (ICAME-23)	GHRCE, Nagpur	22nd and 23rd Dec 2023

Term Two				
S N	Name of Faculty	Title of the Conference / Symposium	Organized By	Duration/ Dates
1	RA MARNE	Two day workshop on mentorship organized by BYST	BYST	march 21 and 22 , 2024
2	M U GAN	Two day workshop on mentorship organized by BYST	BYST	march 21 and 22 , 2024

2.7 ONLINE COURSES / CERTIFICATE COURSES COMPLETED BY DEPARTMENT FACULTY

Term One				
S N	Name of Faculty	Title of the Course	Conducted By	Duration/ Dates
1.	Dr D Y Dhande	Accreditation and Outcome Based Education	IIT, Madras (NPTEL)	21 August - 10 October 2023 (8 Weeks)
2.	Ms. P. R. Tete	Selection Of Nanomaterials For Energy Harvesting And Storage Application	IIT Roorkee (NPTEL)	24 July 2023- 18 Aug 2023 (4 weeks)
3.	Dr M R Dahake	Patent Drafting for Beginners	IIT Madras (NPTEL)	24 July 2023- 18 Aug 2023 (4 weeks)

4	Dr M R Dahake	Stress Management	IIT (NPTEL)	Aug 2023-Sep 2023
5	Dr P S Gajjal	Patent Drafting for Beginners	IIT Madras (NPTEL)	24 July 2023-18 Aug 2023 (4 weeks)
6	Dr P S Gajjal	Stress Management	IIT (NPTEL)	Aug 2023-Sep 2023
4	Dr M M Sayyad	Building Materials And Composites	IIT Roorkee	8 weeks
5	Dr M M Sayyad	Ansys Track Completion: Foundations in Linear Dynamics of Structures	Ansys	4 weeks
6	Ms. P. R. Tete	Selection of Nanomaterials for Energy Harvesting and Storage Application	IIT Roorkee (NPTEL)	Jul-Aug 2023 (4 week course)
7	Ms. P. R. Tete	Stress Management	IIT Kharagpur (NPTEL)	Aug-Sep 2023 (4 week course)
8	N N Gotkhindikar	Fundamentals of additive manufacturing	IIT Guwahati NPTEL	12 Weeks July-Nov
9	Dr D S Malwad	National Education Policy 2020: Professional Development Programme	IGNOU NPTEL Certification	From December 1-31, 2023 (4 Weeks)
10	M P Shah	NPTEL course on “Rapid Manufacturing”	NPTEL, IIT-Madras	Jul-Oct 2023
11	M P Shah	MATHWORKS online course on Optimization Onramp	MATHWORKS	30 June 2023
12	O.A.More	NPTEL-AICTE FDP on “Metal Additive Manufacturing”	NPTEL, IIT-Madras	From July -Oct 2023(12 week)
13	V R Patil	NPTEL course on “Sustainable Energy Technology”	NPTEL,IIT Madras	July 23 to October 23(12 Weeks)
14	SA Ansari	NPTEL course on “Selection of Nanomaterials for Energy Harvesting and Storage Application”	IIT Madras	Jul-Aug 2023

Term Two				
S N	Name of Faculty	Title of the Course	Conducted By	Duration/ Dates
1	Dr S V	Foundation course in	NPTEL	Jan-Mar 2024

	Chaitanya	Managerial Economics		8 Week
2	Y. P. Patil	Air pollution and Control	NPTEL	Jan-Apr 2024 12 Week
3	Y. P. Patil	Successfully completed the course spanning over 12 modules. training of "ENERGY LITERACY TRAINING " of the Energy Swaraj Foundation.	NPTEL	
4	Dr. D S Malwad	Data Analytics with Python		
5	Mr. J S Supekar	Entrepreneurship and IP strategies		
6	Mr. N N Gotkhindikar	Operation Management		

2.8 EXTENSION LECTURES / WEBINARS (Lectures organized on other than technical topics))

Term One					
S N	Name of faculty coordinator	Topic	Name and contact details of guest	Date	Number of beneficiaries
1	Dr P S Gajjal Dr C S Choudhari	Gender Equality	Dr Lalita Kangude	02/11/23	85
2	Dr P S Gajjal Dr C S Choudhari	Personality Development and Menstrual Hygiene	Harshita Raman	26/09/23	132

2.9 FACULTY SERVED AS RESOURCE PERSON, EXPERT, CHAIRPERSON

Term One				
S N	Name of Faculty	Title of Activity	Organizing body	Date
1	Dr C S Choudhari	Conducted session on “NBA Preparations” at Sinhgad Academy of Engineering, Kondhwa, Pune on 01/11/2023	Sinhgad Academy of Engineering, Kondhwa, Pune	01/11/2023
2	Dr C S Choudhari	Conducted session on	Ajeenkya DY Patil	28/07/2023

		“Awareness of NEP 2020 for students” Ajeenkya DY Patil School of Engineering Pune on 28/07/2023	School of Engineering Pune	
3	Dr C S Choudhari	Worked as a session chair for “International Conference on Convergence in Technology 2023”	Dr D Y Patil Institute of Technology, Pimpri, Pune	8 and 8th Sept 2023
4	Dr B D Bachchhav	Conducted session on “NBA Preparations” at Sinhgad Academy of Engineering, Kondhwa, Pune on 01/11/2023	Sinhgad Academy of Engineering, Kondhwa, Pune	01/11/2023
4	Dr C S Choudhari	Delivered session on “Energy Conservation in Thermal Utilities” for students	AISSMS Poly Pune	10/10/2023
5	(Dr) M M Sayyad	Reviewer in GT 2023 ASME India Conference	ASME India	27 June 2023
6	(Dr) M M Sayyad	Reviewer of Journal of The Institution of Engineers (India): Series C (IEIC)	The Institution of Engineers	5 Nov 2023
7	Dr. M R Phate	Expert talk on “Outcome Based Education in Teaching & Learning”	MMIT, Lohagaon, Pune	16/12/2023
8	P V Deshmukh	Conducted session on “NBA Preparations” at Sinhgad Academy of Engineering, Kondhwa, Pune on 01/11/2023	Sinhgad Academy of Engineering, Kondhwa, Pune	01/11/2023

Term Two				
S N	Name of Faculty	Title of Activity	Organizing body	Date
1	DR B D Bachchhav	AICTE - ISTE Approved Two Weeks Short Term Training Program On the topic “Tribology in Metal Working”	Department of Mechanical Engineering, Smt. Kashibai Navale College of Engineering, Pune	15th January to 27th January, 2024



“NBA Awareness” session”



“NBA Awareness” session”



GLOBAL INTRAPRENEURS SUMMIT OUTSTANDING INTRAPRENEURIAL TEAM AWARD – Higher Education AND AWARDS CEREMONY 2023



Video:

<https://drive.google.com/file/d/1GXEQnLy7DjtcTCQj172rfhBPp61x-8s9/view?usp=sharing>

Award Watch Party Video link:

<https://drive.google.com/file/d/1EnvK->

DIPLOMA

**INTERNATIONAL RUSSIAN-CHINESE-INDIAN ONLINE STUDENT
CONFERENCE AND COMPETITION TRIZ TECHNOLOGIES - 2023**
(International Stage)

SANDEEP WANKHADE

PhD, FIE, TRIZ L3, Associate Prof, Dept. of Mechanical Engineering, AISSMS COE Pune, India

Organizing Committee of International Russian-Chinese-Indian
Student Online Conference
TRIZ Technologies 2023 (international stage)
expresses its gratitude to you for training the conference winners
and your contribution to the conference organisation and
promotion in India

Rector Komsomolsk-na-Amure
State University
09.11.2023

E. A. Dmitriev



THE TRAJECTORY OF A NEW DIMENSION

2023

3. ACTIVITIES ORGANIZED

3.1 FDP/STTP ORGANIZED BY THE DEPARTMENT

Term One					
S N	Name of faculty coordinator	Title of the FDP/STTP/WS/ Seminar/Sympos ium	Duration/ Dates	No. of Participa nts	Funding Agency (If any) and Amount (Rs.)
1.	Dr D Y Dhande	Research Project Competition : Avishkar 2023	27/10/2023	650	IQAC, SSPU, Pune , 1 Lac.

Term Two					
S N	Name of faculty coordinator	Title of the FDP/STTP/WS/ Seminar/Sympo sium	Duration/ Dates	No. of Participants	Funding Agency (If any) and Amount (Rs.)

3.2 SEMINARS/ WORKSHOPS/ WEBINARS ORGANIZED BY THE DEPARTMENT

Term One					
S N	Name of Coordinator/ s	Title of the Seminar/Webinar	Duration / Dates	No. of Participa nts	Funding Agency (If any) and Amount (Rs.)
1	Dr M R Dahake Dr P S Gajjal	One Day Workshop on Intellectual Property Rights	23/08/20 23	161	AISSMSCOE Pune
2	Dr. S. V. Chaitanya Ms. P. R. Tete	Quality and Drawing	28th August 2023	53	AISSMSCOE Pune
2	Dr. B. D. Bachchhav	CNC Programming	29th August	50	AISSMSCOE Pune

	Ms. P. R. Tete		2023		
3	Dr.A.V Waghmare Dr.M.S Deshmukh Mr SA Ansari	Mis-Concepts in Psychrometrics	06 Oct. 2023	70	AISSMS COE Pune

Term Two					
S N	Name of Coordinator/ s	Title of the Seminar/Webinar	Duration / Dates	No. of Participa nts	Funding Agency (If any) and Amount (Rs.)
1	Dr. S. V. Chaitanya, Ms. P. R. Tete	Training Programme on Lean Six Sigma Yellow Belt in DOE - Process Optimization & Reliability	01/02/20 24 - 02/02/20 24	28	NA

3.3 CONFERENCES/ SYMPOSIUMS ORGANIZED BY THE DEPARTMENT

Term One					
S N	Name of Coordinator/ s	Title of the Conference / Symposium	Duration / Dates	No. of Participa nts	Funding Agency (If any) and Amount (Rs.)

3.4 EXTENSION ACTIVITIES CONDUCTED BY THE DEPARTMENT (Social activities / Quizzes at national/international level/any other activity)

Term One				
S N	Name of Faculty Coordinator	Details of activity conducted	Date	Number of beneficiari es
1	Dr C S Choudhari, Mr S A Ansari	National level online quiz on “Innovation and Start Up”	4 Sept to 18 Sept 2023	80

2	Prof. P M Warke Prof M P Shah	Seminar on “Awareness of BIS activities in engineering college”organised by Standards’ club (BIS), AISSMSCOE, Pune.	August 21, 2023	38
3	Prof. P M Warke Prof M P Shah	Competition on “PRESENTATION ON STANDARDS” by Standards’ Club (BIS), AISSMSCOE	October 18, 2023,	44
4	A T Thombare	Engineering Today	14th and 15th September 2023	409

Term Two				
S N	Name of Faculty Coordinator	Details of activity conducted	Date	Number of beneficiaries
1	Gopal Pandurang Lohar	Blood Donation, Organised by NSS		
2	Gopal Pandurang Lohar	Save Environment Rally, Organized by NSS		
3	Gopal Pandurang Lohar	Women’s Literacy Rally, Organized by NSS		
4	Pankaj Shankarrao Aglawe	NSS visit, NSS,		
5	Ashvini Ashok Tonde/Thombare	Arranged Industrial visit for awareness of standards used in day today life products, Industrial visit		

3.5 MOU SIGNED WITH ACADEMIC AND PROFESSIONAL ORGANIZATIONS

Term One				
Sr. No.	Faculty Coordinator	Name of Organisation	Date of MoU Signed	Valid upto 00/00/0000

Term Two				
Sr. No.	Faculty Coordinator	Name of Organisation	Date of MoU Signed	Valid upto 00/00/0000

Total Functional / Live MoU initiated by Department				
Sr. No.	Faculty Coordinator	Name of Organisation	Date of MoU Signed	Valid upto 00/00/0000

3.6 STUDENTS' CHAPTERS /CLUBS

Sr. No	Name of Students' Chapter	Number of Student Members
1.	SAE- Aerodesign	11
2.	IEI Student Chapter	68
3.	ISHRAE	10
4.	FPSI	18
5.	TRIZ	38
6.	I Mech E	125
7.	REEV	21
8.	BIS	46

3.7 SOCIAL ACTIVITIES ORGANISED (NSS, Women empowerment, Awareness Programms, etc.)

Term One			
Faculty coordinator	Name of Activity	Date, Duration	Number of students involved
Dr. S.R.Patil	Tree Plantation	15 /08/2023	-

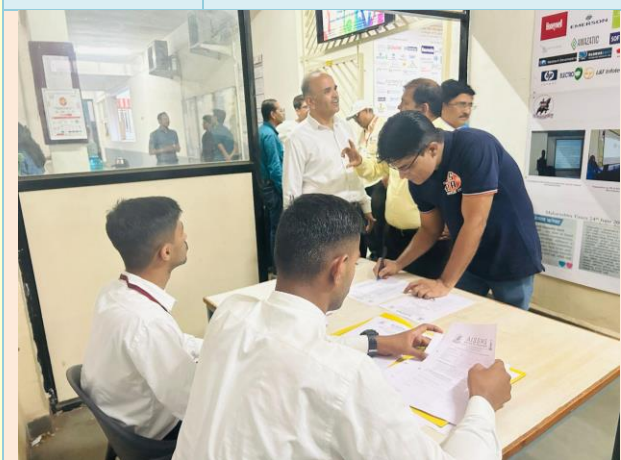
Term Two			
Faculty coordinator	Name of Activity	Date, Duration	Number of students involved
N N Gotkhindikar	Road Safety awareness	14 Feb 2024	31
V R Patil	E Waste awareness	9 Feb 2024	60

3.8 PARENT MEETING

Faculty Coordinator	Day and Date	Details of Parent meetings organized	Number of Parents attended

3.9 ALUMNI MEET

Faculty Coordinator	Day and Date	Details of Alumni meetings organized	Number of Alumni attended
Dr.S.R.Patil and Dr.A.V. Waghmare	Friday, 12/04/2024	<ol style="list-style-type: none"> 1.Alumni Registration 2.Welcome 3.Objective of meeting 4.Dept. details/achievements shared by HOD. 5.Sharing thoughts of Alumni. 6. Vote of thanks 7. Net working and dinner. 	38





3.10 SUPPORT FROM ALUMNI

Term One					
Sr No	Name of Alumni	Position and Organisation	Batch (e.g. 2014 – 2018)	Details of Support	Date

Term Two					
Sr No	Name of Alumni	Position and Organisation	Batch (e.g. 2014 – 2018)	Details of Support	Date

3.11 INTERACTION WITH ALUMNI

Term One				
S N	Name of Alumni and Activity coordinator	Details of Activity conducted	Date and duration	Total Number of beneficiaries
1	Mr.Milind Mandhare Dr.S.R.Patil	BE Project at his organisation	Academic year 2023-24	04

Term Two				
S N	Name of Alumni and Activity coordinator	Details of Activity conducted	Date and duration	Total Number of beneficiaries
1	Mr.Milind Mandhare Dr.S.R.Patil	BE Project at his organisation	Academic year 2023-24	04

3.12 DETAILS OF STUDENT COUNSELING AND CAREER GUIDANCE AT THE DEPARTMENT LEVEL

Number of students referred for counseling	
Number of Faculty referred for counseling	

Faculty coordinator	CAREER GUIDANCE ACTIVITY DETAILS



One Day Workshop on IPR and Patent Facilitation

4.RESEARCH CONTRIBUTION

4.1 FUNDED RESEARCH PROJECT

Term One				
S N	Principal Investigator	Title of the Project	Amount Received (Rs)	Funding Agency
1	Dr B D Bachchhav	Modernization of Tribology Laboratory for Performance Evaluation of Nano/Bio Lubricants	17,18,500/- Ongoing	AICTE
2	Dr. M. S. Deshmukh	Performance assessment of VCC based Air water generator using flat plate type Evaporator.	5,01,950 /- ongoing	4645/GEH- Research/policy- 1/1021- 24/2021/IN-85

Term Two				
S N	Principal Investigator	Title of the Project	Amount Received (Rs)	Funding Agency
1	Dr B D Bachchhav	Modernization of Tribology Laboratory for Performance Evaluation of Nano/Bio Lubricants	17,18,500/- Ongoing	AICTE
4	Dr. M. M. Sayyad (co-PI)	Application of Bamboo fibre reinforced composite components for sports goods, Ministry of Textile Industry	21,28,800	Ministry of Textile Industry, GoI

FUNDING RECEIVED FOR ANY OTHER ACTIVITY

Term One				
S N	Faculty Coordinator	Title of the activity	Amount Received (Rs)	Funding Agency
1				

Term Two				
S N	Faculty Coordinator	Title of the activity	Amount Received (Rs)	Funding Agency
1				

4.2 TESTING AND CONSULTANCY

Term One			
Sr. No.	Faculty Coordinator	Details of Testing & Consultancy Conducted	Total Revenue Generated (Rs.)

Term Two			
Sr. No.	Faculty Coordinator	Details of Testing & Consultancy Conducted	Total Revenue Generated (Rs.)

4.3 PATENTS, COPYRIGHT, TRADEMARK AND OTHER (IPR)

Term One				
Sr No .	Name of Faculty	Name of the Patent	Patent Number and Date	Type (National/ International/Commercialized)
1	Ms. P. R. Tete	A System for cooling of battery cells	202121028817 03/11/2023	National (Granted)
2	Dr D S Malwad	System To Heat A Fluid Using Solar Energy	201921 049373 02/12/20 19	National (Granted)
3	SA Ansari	A system and method for investigation on performance cooling parts for an internal combustion engine	202321067013 A 24/11/2023	National (Granted)

Term Two				
Sr No	Name of Faculty	Name of the Patent	Patent Number and Date	Type (National/ International/Commercialized)
1	Dr D S Malwad	System and Method to Cool a Cabin Of The Vehicle Using A	04/10/2019, 201921040158	National (Granted)

		Movable Blower, National		
2	NITIN N GOTKHINDI KAR	IOT based Information modelling for cyber-physical production system based on digital twin and Automation ML	25/09/2023, 24/11/2023, 202321064361 A	National (Granted)
4	Mrs M P Shah (Chokshi)	An approach to creating an impeller pattern for investment casting using a fused deposition method	25/09/2023, 24/11/2023, 202321064361 A	National (Granted)

TOTAL PATENTS DETAILS OF THE DEPARTMENT					
Sr. No.	Faculty Coordinator	Title of patent	Status		
			Date of Filing	Date of Publication / Grant	National / International
TOTAL COPYRIGHT DETAILS OF THE DEPARTMENT					
Sr. No.	Faculty Coordinator	Title of copyright	Status		
			Date of Filing	Date of Publication / Grant	
1	N N Gotkhindikar	Analysis of fdm based additive manufacturing process through optimized deep learning strategy.	01/08/23	14/12/23	
2	P V Deshmukh	Performance analysis of bioinspired multiblade centrifugal fan using numerical and experimental approach	5/7/2023	28/12/2023	

PUBLICATIONS

4.4 PAPERS PUBLISHED/ PRESENTED IN PROCEEDINGS OF CONFERENCES

Term One						
S. No	Authors	Document Details	Year	Conference Details	ISBN	Organized by
1	(Dr) M M Sayyad	Development Techniques for Energy Efficient Electric Motors – A Review	2023	ICOGE 2023		AISSMS CoE, Pune
2	Dr M R Dahake Dr P S Gajjal	Experimental Investigation of Performance And Emissions Of Single Cylinder Diesel Engine using HHO and BioDiesel Blends	2023	SAIT 2023		Northcap University
3	N N Gotkhindikar	Optimization of Mechanical Properties of In-Situ Aluminum Matrix Composites by Hybrid Process	2023	ICOGE 2023		AISSMS CoE, Pune

4	N N Gotkhindikar	Rapid Anomaly Detection for Optimization of Wind Turbine Operating Behavior using ML	2023	ICOGE 2023		AISSMS CoE, Pune
4	Dr D S Malwad	Thermal Performance Analysis of Serpentine Tube Flat Plate Collector Used for Effluent Treatment	2023	COGE 2023		AISSMS CoE, Pune
5.	Dr. M. S. Deshmukh	Study on Oxidative Stability of Ghee (Butter Oil) Extracted from Beet (Betavugaris) Peels to Increase the Oxidative Stability of Ghee (Butter Oil)	2023	International Conference on “Advances in Mechanical Engineering -2023”		GHRCE, Nagpur
6	SA Ansari	Experimental analysis of LHTESS using PCM		ICFMEM2022		Palavan College of engineering

Term Two						
S. No	Authors	Document Details	Year	Conference Details	ISBN	Organized by
01	Dr. M. S. Deshmukh	Synergistic Effects of N-Butanol and Terminalia Methyl Ester on Emissions from CI Engines	2024	International Conference on Indian Knowledge System, Science & Spirituality for Advancing Technology		Tulsiramji Gaikwad Patil College of Engineering and Technology, Nagpur

4.5 PAPERS PUBLISHED IN JOURNALS

Term One						
S. No	Authors	Document Details	Year	Source Details	ISBN/ISSN	Publisher
1	Sirsath, K.G. and Bachchhav, B.D.	Tribo-mechanical characterization of Cu-Cr-Zr ternary alloy aimed at fin-tube resistance welding electrode material	Oct. 2023	Industrial Lubrication and Tribology, Vol. 75 No. 8, pp. 942-949	00368792	Emerald International
2	Kathmore, P.; Bachchhav, B.; Nandi, S.; Salunkhe, S.; Chandrakumar, P.; Nasr, E.A.; Kamrani, A.	Prediction of Thrust Force and Torque for High-Speed Drilling of AL6061 with TMPTO-Based Bio-Lubricants Using Machine Learning.	August 2023	Lubricants 2023, 11, 356.	2075-4442	MDPI

3	Bachchhav, B.D.; Chaitanya, S.V.; Salunkhe, S.; Chandrakumar, P.; Pagáč, M.; Nasr, E.A.	“Wear Performance of Cu–Cd, Cu–Be and Cu–Cr–Zr Spot Welding Electrode Materials”.	July 2023	Lubricants 2023, 11, 291, pp. 1-15.	2075-4442	MDPI
4	Bhanudas Bachchhav, Yash Anecha, Balraj Waghmare.,	Tribological Performance Evaluation of TMPTO based Nano-Lubricants”.	September 2023	<i>Journal of Manufacturing Engineering</i> , Vol. 18, Issue 3, pp. 091-095	0973-6867	Society of Manufacturing Engineering
5	Bhanudas Bachchhav, Swarali Bharne, Atharva Choudhari, Siddharth Pattanshetti,	“Selection of spot welding electrode material by AHP, TOPSIS, and SAW”	Published online 2023	Materials Today: Proceedings,	ISSN 2214-7853	Elsevier
6.	R. M. Mokhesur, W. N. Wan Mohd Norsani, M. G. M. Sabri., B. M. Praveen, D. Y. Dhande, I. Nabilah	And Zno Encapsulated Hollow Silica In The Photocatalytic Degradation Of Dimethylarsinic ACID	Sept 2023	RASĀYAN Journal of Chemistry, Vol.16, No.3, 2023	ISSN: 0974-1496 (Print) ISSN: 0976-0083(Online)	Rasayan Journal of Chemistry
7.	Dhande DY* Navale SJ, Gaikwad DP Patil SR Nalawade RD Wadkar DV Nik WB Ghajali MJ	Prediction of Abrasive Wear behavior of the Poly-Tetra-Fluoroethylene material using Adaptive Neuro Fuzzy Interface Systems	Sept 2023	Jurnal Tribologi, vol.38, pg.141-158	2289-7232	Malaysian Tribology Society (MYTRIBOS)

8.	W.B. Wan Nik*, K. Ravindran, A.A. Al-Amiery, V.O. Izionworu, O.S.I. Fayomi, E. Berdimurodov, W. Daoudi, F. Zulkifli and D.Y. Dhande	Piper betle extract as an eco-friendly corrosion inhibitor for aluminium alloy in hydrochloric acid media	July 2023	Int. J. Corros. Scale Inhib., 2023, 12, no. 3, 948-960	ISSN 2305-6894	Russian Association of Corrosion Engineers
9	Dr. M. M. Sayyad	Evaluation of Inter-laminar Shear Performance of Carbon Fibre-reinforced Composite under Quasi-static and High Strain-rate Loading	Sept 2023	Journal of Materials Engineering and Performance	1059-9495	ASM International
10	Dr P S Gajjal Dr M R Dahake	An Intelligent Tribological Texture Behavior Analysis and Optimization of Air Bearing	August 2023	International Journal of Engineering Bio and Tribo Corrosion Vol 9 No72 pp 1-13	Electronic ISSN 2198-4239 Print ISSN 2198-4220	Springer
11	Dr P S Gajjal Dr M R Dahake	A Novel Optimized Dielectric Fluid Electric Discharge Machine Using African Buffalo Optimization	November 2023	International Journal on Interactive Design and Manufacturing	Electronic ISSN 1955-2505 Print ISSN 1955-2513	Springer

12	Dr M R Dahake Dr P S Gajjal	Experimental Exploration of Hydrogen Fuelled Dual Fuelled CRDI equipped Diesel Engine Coupled With Exhaust Gas Recirculation Using ANN Approach	November 2023	International Journal of Ambient Energy Vol 45 No 1 pp 1-11.	Print ISSN: 0143-0750 Online ISSN: 2162-8246	Taylor & Francis
13	Dr M R Dhake	CFD analysis of 210 MW Boilers Economiser For Detection Area Causes of Tube Failure	October 2023	International Journal of Power and Energy Systems	ISSN Online 1710-2243 ISSN Print 1078-3466	ACTA Press
14	Ms. P. R. Tete	A comparative study of novel designs of liquid-cooled battery thermal management systems	November 2023	Transportation Research Procedia	Online ISSN: 2352-1465 Print ISSN: 2352-1457	Elsevier
15	N N Gotkhindikar et al.	Optimized deep neural network strategy for best parametric selection in fused deposition modelling	2023	International Journal on Interactive Design and Manufacturing (IJIDeM)	ISSN 19552513, 19552505	Springer

16	Dr. M R Phate	Design, Development and Performance Analysis of Portable Solar Scheffler Reflector Water Heater (SRWH)	2023	Inderscience, Int. J. of Computer Applications in Technology.	Vol 73, Issue No 2 Dec 2023, PP : 91-103	Inderscience (WoS)
17	D Y Dhande, D P Gaikwad, C S Choudhari	Application of rule learner classifier for studying bioethanol fueled spark ignition engine out emissions and classification	2023	ASEAN Journal on science and technology for development	vol. 40; No.1, article 3	Scopus
18	D Y Dhande , C S Choudhari, D P Gaikwad, Kiran B. Dahe	Development of Artificial Neural Network to predict performance of Spark Ignition Engine fuelled with waste pomegranate ethanol blends		Information Processing in Agriculture (Elsevier)	10(2023) 459-474	Scopus
19	S C Choudhari, C S Choudhari	Education in human rights at school level: Role and perspectives of teacher		Education and Society	2278-6864	UGC Care Listed

20	Dnyaneshwar S. Malwad, Deepak C. Sonawane	A Review on Recent Advancements in Indirect Solar Drying of Agricultural Products		Journal of Renewable Energy and Environment	Print ISSN: 2423-5547 Online ISSN: 2423-7469	Scopus Indexed
21	Dr. M.M. Sayyad	Development Techniques for Energy Efficient Electric Motors – A Review		Indian Journal of Technical Education	ISSN 0971-3034 (Print)	UGC Care Listed

Term Two						
S. No	Authors	Document Details	Year	Source Details	ISBN/ISSN	Publisher
1	Dinesh Y.Dhande, Shirish J.Navale	Experimental investigations on the performance and emissions of compression ignition engine fuelled with lower blends of neem-based biodiesel	2024	The Archives of Automotive Engineering-Archiwum Motoryzacji	eISSN: 2084-476X	AM-AAE
2	Dr M R Dahake Dr P S Gajjal	Intelligent Decision Based Hydrogen Biodiesel Engine to Improve Engine Performance	2024	International Journal of Fuel	0016-2361	Elsevier
3	Niyaj Shikalgar, Avinash Deshmukh, Chandrakishor Choudhari	Investigation of Effects of Pongamia Methyl Esters as A Green Fuel for Diesel Engine	2024	Journal of Xidian University https://doi.org/10.5281/Ze	ISSN No:1001-2400	(Scopus Indexed)

				nodo.11220628 VOLUME 18, ISSUE 5, 2024 (1035 - 10410		
4	Prashant PATIL, Nitin Kardekar, C. S. Choudhari, Dhanapal Kamble	Performance Analysis of Photovoltaic Module Equipped With Parabolic Fin Embedded Cotton Wick Evaporative Cooling	2024	U.P.B. Sci. Bull., Series D, Vol. 86, 2024	1454- 2358	University POLITEH NICA of Bucharest (Scopus Indexed)
5	Vijay Rajaram Patil	The influence of lower blends of algae biodiesel on diesel engine performance and emissions		Archieves of Automotive Engineering	, ISSN 2084-476X	Scopus
6	Sandeep H Wankhade	Application of TRIZ Methodology for Analyzing Innovations in Water Bath Heating Devices		A Comprehensi ve Study of Patent and Publication Data, Engineering, Technology and Applied Science Research		
8	Dr. M. M. Sayyad	Towards Characterizing Continuum Damage in Glass Fibre Reinforced Composite		Journal of The Institution of Engineers (India): Series C	2250-0545	Scopus

9	Pankaj Shankarrao Aglawe	1 design and development of portable forklift, Published in E-Journal Volume-10 Issue-2 2024		International Journal of Advance Research and Innovative Ideas in Education	ISSN(O) : 2395-4396	
10	DNYANESHWAR SHIVAJI MALWAD	A Review on Recent Advancements in Indirect Solar Drying of Agricultural Products (174-191)		Journal of Renewable Energy and Environment	Print ISSN: 2423-5547 Online ISSN: 2423-7469	Scopus

4.6 BOOK / ARTICLE PUBLICATIONS

Term One				
Author	Title of the Book	Published by	ISBN	Year
Dr. M R Phate	Critical Analysis of Noise Reduction for Motorcycle Exhaust System	LAMBERT	978-620-6-79291-8	2023
Dr. M. S. Deshmukh	Mechanical Alloying of Ferrous and Non-ferrous Alloys: Processing, Applications, and Properties	ELSA,	eBook ISBN: 9780443161520	2024
Dr B D Bachchhav	Quality & Reliability Engineering	Techknowledge Publications	NA	2023

4.7 RESEARCH CITATIONS (Source of Data: Google scholar) (As on 30th May)

Name of faculty	Citations, h-index, i10 index	Name of faculty	Citations, h-index, i10 index
Dr B D Bachchhav	182, 7, 5	Dr M R Dahake	78, 4, 3
Dr D Y Dhande	381, 9, 8	Dr P S Gajjal	124, 7, 2
(Dr) M M Sayyad	111, 3, 3	Dr D S Malwad	121, 5, 4
Dr M R Phate	441, 12, 13	Dr S J Navale	49, 2, 1
Dr. M. S. Deshmukh	68, 5, 0	Dr C S Choudhari	214, 6, 3

Total Citations of Department: 1769

4.8 ME AWARDED

Sr No	Name of Supervisor	Title of Thesis	Name of Candidate

4.9 Ph.D. GUIDE DETAILS

Name of Faculty who are PhD Supervisor		Number of Scholars Registered
01	Dr. S. H. Wankhade	4
02	Dr. D. Y. Dhande	4
03	Dr. B. D. Bachchhav	3
04	Dr. A. V. Waghmare	4
05	Dr. C. S. Dharankar	1
06	Dr. S. V. Chaitanya	4
07	Dr. C. S. Chaudhari	3
08	Dr. M. R. Dahake	1

4.10 PhD AWARDED (For departments having Ph.D. research centers)

Sr No	Name of Supervisor	Title of Thesis	Name of Candidate
01	Dr. M. S. Deshmukh	“Investigation of Femur Implant Properties on Acetabulum (Hip Bone)	Dr. S. S. Pimpale

5. INTERACTION WITH INDUSTRY

5.1 INDUSTRY VISITS ORGANIZED

Term One				
Sr. No.	Faculty Coordinator	Class and Number of students attended	Industry Name and Address	Date of visit
1	Dr M S Deshmukh Dr A V Waghmare	BE Mechanical A and B Div	Balgandharva Rangmandir Pune	16/10/2023
2	Dr M S Deshmukh Dr A V Waghmare	BE Mechanical A and B Div	Prihoda India Pvt Ltd Pune	19/10/2023
3	Dr A V Waghmare	BE Mechanical A and B Div	Emerson Climate Technologies Pvt Ltd Pune	19/10/2023
4	Mr M U Gan Mr S A Ansari	BE Mechanical A and B Div	Lashkar Water Supply Department PMC Pune	27/10/2023
5	Ms Y K Funde	TE M B	MAHAMetro Pune	27/10/2023
6	V R Patil	SE Mech B	Katraj Dairy	8/11/23
7	Dr S H Wankhade	TE M SW	MAHAMetro Pune	27/10/2023
8	P.S.Aglawe	TE M SW	MAHAMetro Pune	27/10/2023

Term Two				
Sr. No.	Faculty Coordinator	Class and Number of students attended	Industry Name and Address	Date of visit
1	Dr S J Navale	SE TE BE Mech/MS	Defence Expo by MSME and Ministry of Defence Moshi Pune	25/02/2024
2	Mr N N Gothkhindikar	BE M and MS	Indigeneous Technologies for Viksit Bharat National Science Day Pune	28/02/2024
3	Dr M R Dahake	SE Mech A & B Division	CWMSRTC Dapodi Pune	06/04/2024
4	Dr M R Dahake Dr.S.J Navale and Dr.S.R.Patil	SE Mech A & B	Diesel Loco Shed,Ghorpadi,Pune	16/04/2024
5	Dr A V Waghmare, Dr M R Dahake and Mr G P Lohar	TE Mech A & B	Stauff India, Lonikand Pune	16/04/2024
6	Dr A V Waghmare	TE Mech A	Unitread Hydraulics, Sanaswadi, Pune	16/04/2024
7	M P Shah, A T Thombare	SE Mechanical ,BE MS	VANAZ Industries	12/04/2024



5.2 EXPERT LECTURES / WEBINARS DELIVERED BY INDUSTRY EXPERTS

Term One					
Sr. No.	Faculty Coordinator	Class (Number of students attended)	Name, Industry, designation and contact details of Expert	Topic	Date
1	Dr C S Choudhari, Dr M R Dahake	TE Mech (A,B and SW)	Mr B B Mate Senior Consultant, Thermax, Pune	NDT in Heat Exchanger Manufacturing	11/10/2023
2	Dr B D Bachchhav, Ms P R Tete	TE Mech (A, B)	Mr D K Mohan Consultant	CNC Programming	29th August 2023
3	Dr P S Gajjal	BE	Mr S S Gawade	New Era in EV	26th September 2023

4	Dr S V Chaitanya Ms P R Tete	TE Mechanical	Mr D K Mohan Consultant	Quality and Drawing	28th August 2023
5	Dr A V Waghmare Dr M S Deshmukh Mr S A Ansari	BE Mechanical	Mr Mukund Ranade	Misconcepts in Psychrometrics	06th August 2023
6	Dr S H Wankhade	TE Mech SW	Mr. Amrendra Project Manager, Rolling Stock, Pune Metro	Mechatronics applications in Pune Metro	27th October, 2023
7	Dr D S Malwad	TE Mech SW	Mr. Laxmikant Lahankar Atlas Copco (India) Private Limited,	Opportunities in Supply Chain Management	30 October 2023

Term Two					
Sr. No	Faculty Coordinator	Class (Number of students attended)	Name, Industry, designation and contact details of Expert	Topic	Date
1	Ms A T Thombare	TE /BE Mech (56)	Mr Romil Jain/ Ms. Helena Jain from BitTrack	Study Abroad for Higher Education	23/01/2024
2	Mr N N Gothkhindikar Dr S H Wankhede	BE M A and B (79)	Mr Nilesh Bagul Maharajashri Industrial Solutions Pune	Advances in Industry 4.0	16/04/2024

3	Dr D Y Dhande Mr P V Deshmukh	TE/BE Mech (67)	Mr R B Patil Sr Manager SMRC India Pvt Ltd Pune	Mould Flow Analysis	20/04/2 024
4	Dr D Y Dhande Mr P V Deshmukh	TE/BE Mech (67)	Mr Nilesh Rathwal CAE Engineer Adient Pune	Crash Analysis	20/04/2 024

5.3 INDUSTRY – SPONSORED PROJECTS (UG/PG) ((Excluding Sandwich Projects)

Sr. No.	Name of Project guide	Title of Industry Sponsored Project	Name of Sponsoring Industry
1	(Dr) M M Sayyad	<ol style="list-style-type: none"> Design replaceable color, ring and bushing for crane wheels Predictive maintenance of hoist brakes Materials intelligence 	Konecranes

5.4 MOU SIGNED WITH INDUSTRY

Term Two				
Sr. No.	Faculty Coordinator	Name of Industry	Date of MoU Signed	Valid upto (00/00/0000)

TOTAL FUNCTIONAL / LIVE MOU INITIATED BY THE DEPARTMENT				
Sr. No.	Faculty Coordinator	Name of Industry	Date of MoU Signed	Valid upto (00/00/0000)
01	Mr. M P Bauskar	Mettchnik Pvt Ltd Pune	10/10/2019	10/10/2024

02	Dr C S Choudhari, Dr A V Waghmare	Vimal Nourishment Technologies Pvt. Ltd. Pune	04/08/2021	04/08/2024
03	Dr A V Waghmare	Ameya Industries Pune	31/08/2021	Till it is discontinued by both parties.
04	Dr. B. D. Bachhav Dr. C. S. Chaudhari Dr. P. S. Gajjal	Setco Spindles India (Pvt) Ltd Pune	18/02/2022	17/02/2025
05	Dr. B. D. Bachhav	Stead Solve Design and Manufacturing Solutions LLP Pune	23/02/2022	22/02/2025
06	Dr. S H Wankhade	UB Cryogenic Solutions LLP, Pune	04/03/2022	03/03/2025
07	Dr. B. D. Bachchhav	Institute of Systems Pune.	04/04/2022	03/04/2025
08	Dr. B. D Bachchhav Dr S V Chaitanya	SSIG Manufacturing Advancements Pvt Ltd. Pune	27/04/2022	26/04/2025
09	Mr P S Aglawe	E-Addict Mobility Solutions Pvt Ltd OPC Pune	05/08/2022	04/08/2025
10	Dr S H Wankhade	Twin Engineers Pvt Ltd Pune	10/04/2023	09/04/2028

5.5 FACULTY MEMBERS UNDERGONE INDUSTRIAL TRAINING

Term One			
Sr. No.	Name of Faculty	Name of Industry	Dates and Duration
1	(Dr) M M Sayyad	Ultra Enterprises	27 June 2023 to 10 July 2023
2	Dr S H Wankhade	Maharajashree Industrial Solutions, PCMC, Pune	06/05/2023 to 09/06/2023

5.6 STUDENTS UNDERGONE IN-PLANT TRAINING AND (OR) INTERNSHIP PROGRAMME (Excluding Sandwich Training)

Term Two

Sr. No.	Name of Student	Name of Company	Class	Intern ship Start Date	Intern ship End Date	Duration (Days)
1	ABHALE ABHISHE BALASAHEB	ARDE Pune	TE Mech	10-01-2024	15-02-2024	30
2	AHER PRATHAM ANIL	Manas Automotive (Maruti Authorised Service Station) Pune	TE Mech	15-12-2023	15-01-2024	30
3	ANIRUDDHA KAMAT	Spia Hydraulics Pvt Ltd. Belgavi.	TE Mech	15-12-2023	10-01-2024	30
4	ANTHONY ASHISH RAJESH (TFWS)	New Alex Mechanical Works Nagpur	TE Mech	14-12-2023	13-01-2024	30

5	ANURAG SACHIN DAKARE	Kakade Laser, Pune	TE Mech	15-12-2023	15-01-2024	30
6	BELDAR SUJAL CHANDAN	Manas Automotive, Pune	TE Mech	15-12-2023	15-01-2024	30
7	BHAPKAR PRANAV DILIP	Veritas Engineers & Erectors Pvt. Ltd. Baramati	TE Mech	11-12-2023	13-01-2024	30
8	BHOLE ADITYA VIRENDRA	Innovative MetalCraft Industries Pune	TE Mech	11-12-2023	12-01-2024	30
9	BIRAJDAR DNYANESWAR KASHINATH	Insiya Solar Industry Pune	TE Mech	11-12-2023	10-01-2024	30
10	CHORDIYA JITEN RAJESH	Samadhan Inovative Solutions LLP Pune	TE Mech	15-12-2023	14-01-2024	30
11	DHAME ADITYA RAJENDRA (EWS)	Kaivalya Engineering Works Pune	TE Mech	11-12-2022	10-01-2024	30
12	DHENDE VINAY VIJAY	Mahalaxmi Automotives private limited Baramati	TE Mech	15-12-2023	12-01-2024	30
13	DUDHADE GANESH ASHOK (EWS)	Unity Technologies Aurangabad	TE Mech	03-01-2024	03-02-2024	30
14	DUSSAL MUKUL SANDEEP	Mizuki Power Products Private Limited	TE Mech	11-12-2023	10-01-2024	30

15	GADDAMWAR SAGAR SURESH	Taj motor's Mahindra & Mahindra limited Gadchiroli	TE Mech	11- 12- 2024	10- 01- 2024	30
16	GADEKAR PRAJWAL SANJAY	Rahul Industries Pune	TE Mech	11- 12- 2022	10- 01- 2024	30
17	GAIKWAD SAKSHI SANJAY	SAM Enterprises Satara	TE Mech	14- 12- 2023	14- 01- 2024	30
18	GAIKWAD SAMARTH SANJAY (EWS)	Maruti Suzuki Service (Mahalaxmi Automotives) Baramati	TE Mech	15- 12- 2023	12- 01- 2024	30
19	GALANDE OM BABANRAO (EWS)	Saideep Precision Private Limited Pune	TE Mech	13- 12- 2023	13- 01- 2024	30
20	GALANDE PRATIK JAYKUMAR (EWS)	Samrat Engineers, Pandare, Baramati.	TE Mech	11- 12- 2023	11- 01- 2024	30
21	GAONKAR SWAPNIL SUDHIR	Diesel loco shed Ghorpadi Pune	TE Mech	11- 12- 2023	11- 01- 2024	30
22	GAWARE AJIT DNYANDEO (EWS)	Samrat Engineers Pune	TE Mech	11- 12- 2023	11- 01- 2024	30
23	GHODE VAISHNAVI SHAMKANT	Shivamrut Doodh Utpadak Sahakari Sangh Maryadit Solapur	TE Mech	11- 12- 2023	11- 01- 2024	30

24	GHODGE ROHAN SHAMRAO	Super Engineers Pune	TE Mech	15-12-2023	14-01-2024	30
25	HOLE SAKSHI MANIK	Equinox EPC INDIA Pvt. Ltd. Pune	TE Mech	12-12-2023	12-01-2024	30
26	INGOLE RUSHIKESH KISHOR (TFWS)	Achiever Engineering Pune	TE Mech	11-12-2023	10-01-2024	30
27	JADHAO SHIVANAND RAVINDRA	Ambition Enterprises Pune	TE Mech	15-12-2023	15-01-2024	30
28	JADHAV SUJAL SUNIL	Diesel Locomotive Shed Ghorpadi, Pune	TE Mech	11-12-2023	11-01-2024	30
29	JADHAV VISHAL DHANRAJ	Ambition enterprises Pune	TE Mech	15-12-2023	15-01-2024	30
30	JAGDALE YASH ANIL	Pooja Industries Nashik	TE Mech	14-12-2023	11-01-2024	30
31	JAWANE RUDRA SANJAY	S.T Central Workshop, Chikalthana	TE Mech	21-12-2023	20-01-2024	30
32	JOSHI VARUN ANANT	Suhel Industries Sangli	TE Mech	15-12-2023	15-01-2024	30
33	KACHARE SOHAM ANANDA	Achiever Engineering Pune	TE Mech	09-12-2023	08-01-2024	30
34	KADAM SWAPNIL SANTOSH	Super Engineers Pune	TE Mech	15-12-2023	14-01-2024	30

35	KADLAG OM GOKUL	Sangamner Taluka Sahakari Dudh Utpadak & Prakriya Sangh Ltd. Sangamner	TE Mech	25- 12- 2023	20- 01- 2024	30
36	KALE AKSHAYKUMAR DNYANOBA	Uno Minda Limited, Pune	TE Mech	18- 12- 2023	19- 01- 2024	30
37	KARLEKAR AARYA VIVEK (TFWS)	Kothari Hyundai Service Station Pune	TE Mech	13- 12- 2023	13- 01- 2024	30
38	KAWADE DISHA SHAILESH	Saarloha Advance Material Pvt Ltd Pune	TE Mech	20- 01- 2024	20- 02- 2024	30
39	KHANDEPARKAR ADVAIT MILIND	Astra Metal Systems Pvt Ltd Goa	TE Mech	18- 12- 2023	13- 01- 2024	30
40	KEDAR ANURAG NARENDRA	SAM Enterprises Satara	TE Mech	14- 12- 2023	14- 01- 2024	30
41	KIRAN GANESH GAIKWAD	Divyank Engineering Pvt. Ltd. Pune	TE Mech	14- 12- 2023	14- 01- 2024	30
42	KODRE AYUSH SANDEEP	Divyank Engineering Pvt. Ltd. Pune	TE Mech	14- 12- 2023	14- 12- 2024	30
43	KULKARNI ATHARV KIRAN (EWS)	Akshaya Machine Tools Pune	TE Mech	18- 12- 2023	13- 01- 2024	30
44	KULKARNI RUCHA SUHAS	Kohler Power India Private Limited Pune	TE Mech	18- 12- 2023	19- 01- 2024	30

45	MADHUR JOSHI	ARDE Pune	TE Mech	10-01-2024	15-02-2024	30
46	LAD PARAG TUKARAM	Kakade Laser, Pune	TE Mech	15-12-2023	15-01-2024	30
47	LANDGE SHASHIKANT NARAYAN	Uno Minda Ltd. Pune	TE Mech	18-12-2023	19-01-2024	30
48	MANGESH SAIBHARADWAJ	Patri Engineers Pune	TE Mech	28-12-2023	24-01-2024	30
49	MAHAJAN RUSHABH MAHAVEER	Bharat Forge Ltd. Pune	TE Mech	20-12-2023	19-01-2024	30
50	MALI PRASHANT BHAGAWAN	Cummins Technologies India Private Limited Pune	TE Mech	18-12-2023	19-01-2024	30
51	MANE DHRUV AVINASH	Divyank Engineering Pvt. Ltd. Pune	TE Mech	14-12-2023	14-01-2024	30
52	MORANKAR PRATHMESH ASHOK	Shree Swami Samarth Industries Satara	TE Mech	10-12-2023	09-01-2024	30
53	MANDORA PRASHANT DHANARAM	SAM Enterprises Satara	TE Mech	14-12-2023	14-01-2024	30
54	MANE RUSHIKESH RAMCHANDRA	Shree Swami Enterprise Narhe , Tal Haveli, Dist Pune	TE Mech	13-12-2023	14-12-2024	30

55	MORE PRAJWAL PRAKASH (EWS)	UNO MINDA LTD Pune	TE Mech	18- 12- 2023	19- 01- 2024	30
56	MUNDE VISHAL SHIVAJI	M. S. P. G. C. L Parli Thermal Power Plant Beed	TE Mech	28- 12- 2023	26- 01- 2024	30
57	MUSMUDE SHREYASH MAHESH	Sumago Infotech Private Limited Pune	TE Mech	18- 12- 2023	25- 01- 2024	30
58	NADAR DHANALAXMI C	Quality Solutions Pune	TE Mech	15- 12- 2023	15- 01- 2024	30
59	NAGURE REVANSIDH SUNIL	Laxmi Hydraulics Pvt. Ltd. Solapur	TE Mech	20- 12- 2023	20- 01- 2024	30
60	NAVALE NINAD GOPINATH	Syncaxis Engineering and Integration Pune	TE Mech	15- 12- 2023	15- 01- 2024	30
61	NIKUMBH UMESH ANIL	Pritee Engineering Services Pune	TE Mech	13- 12- 2023	10- 01- 2024	30
62	NISHANT AJAY PATIL	Achiever Engineering Pune	TE Mech	12- 12- 2023	11- 01- 2024	30
63	NITTA RAVI APPARAO	SAM Enterprises Satara	TE Mech	14- 12- 2023	14- 01- 2024	30
64	OM SANDEEP KHAIRE	Aquarius Engineers.Pvt.Lt d. Pune	TE Mech	17- 12- 2023	13- 01- 2024	30
65	PADALE ONKAR VISHNU	SAM Enterprises Satara	TE Mech	14- 12- 2023	14- 01- 2024	30

66	PANDIT NEHA BHIMRAO	Microfine Engineering Pune	TE Mech	13- 12- 2023	22- 01- 2024	30
67	PATEL ABUBAKAR FAROOQUE	SKF INDIA LTD. PUNE	TE Mech	12- 12- 2023	11- 01- 2024	30
68	PATIL AMIT SUDHIR (EWS)	Stead Solve Design and Manufacturing Solutions LLP Pune	TE Mech	15- 12- 2023	15- 01- 2024	30
69	PATIL KETAN HARISHCHANDRA	Cummins Technical Centre Pune	TE Mech	18- 12- 2023	19- 01- 2024	30
70	PAWAR SIDDHESH SURENDRA (TFWS)	Maruti Suzuki True Value (Ace Kudale, Pune, Pune-Solapur Highway) Pune	TE Mech	13- 12- 2023	11- 01- 2024	30
71	PENDHARKAR SACHIN CHARANDAS	Uno Minda Limited Pune	TE Mech	18- 12- 2023	19- 01- 2024	30
72	PUJARI ANJALI DEEPAK	Dychem NDT Solutions Pvt. Ltd. Pune	TE Mech	05- 12- 2023	06- 01- 2024	30
73	RAHATIKAR SANKET SANJAY	Ambition Enterprise	TE Mech	15- 12- 2023	15- 01- 2024	30
74	RAJPUROHIT NIKHIL CHANDAN SINGH	Saarloha Advance Materials Pvt Ltd Pune	TE Mech	13- 12- 2023	13- 01- 2024	30
75	RANDIVE PRIYANSHU KAILASH	Stead Solve Design and Manufacturing	TE Mech	15- 12- 2023	15- 01- 2024	30

		Solutions LLP. Pune				
76	RANE SHUBHAM SHRIKRUSHNA	UNO Minda Pvt.Ltd. Pune	TE Mech	18- 12- 2023	19- 01- 2024	30
77	RANGARI PRASHIL HANDRASHEKHAR	Ultratech cement Chandrapur	TE Mech	15- 12- 2023	15- 01- 2024	30
78	RAYBOLE PRATHAM PRAVIN	Micro India Engineering Pune	TE Mech	12- 12- 2023	10- 01- 2024	30
79	SALUNKE AISHWARYA SANTOSH	Royal Enfield- Siddh Auto Pune	TE Mech	15- 12- 2023	14- 01- 2024	30
80	SALUNKE PRATHMESH GANESH (TFWS)	Ace Kudale Maruti Suzuki ARENA Car Dealership Pune	TE Mech	13- 12- 2023	11- 01- 2024	30
81	SANGLE VAISHNAVI RAOSAHEB	Veritas Engineers and Erectors Pvt. Ltd. Baramati	TE Mech	11- 12- 2023	13- 01- 2024	30
82	SARTHAK MOHAN THORAT	Tech-Mark Automation And Controls Pune	TE Mech	11- 12- 2023	12- 01- 2024	30
83	SHELKE ROHIT KISAN	Avadhoot Engineering Works Pune	TE Mech	14- 12- 2023	13- 01- 2024	30
84	SHENDKAR PRAJAKTA DATTATRAY	Micro India Engineering, Ambegoan kb, Pune	TE Mech	12- 12- 2023	10- 01- 2024	30

85	SHIMPI OM MANOJKUMAR	Aquazen - Darshan Trade Links Akola	TE Mech	14- 12- 2023	15- 01- 2024	30
86	SHINDE ANJALI NAMDEV	Microfine Engineering Pune	TE Mech	15- 12- 2023	15- 01- 2024	30
87	SHINDE MAHENDRA RADHU	Sneha Industries Pune	TE Mech	16- 12- 2023	17- 01- 2024	30
88	SHREYA SUNIL JADHAV	Yash plastics and engineering works Pune	TE Mech	15- 12- 2023	13- 01- 2024	30
89	SINGH HARSHIT DHIRENDRA	Diesel Locomotive Shed Ghorpadi, Pune	TE Mech	11- 12- 2023	11- 01- 2024	30
90	SONAWANE KETAN DILIP (EWS)	SAM Enterprises Satara	TE Mech	14- 12- 2023	14- 01- 2024	30
91	SORATE SIDDHI SACHIN	Aquazen- Darshan Trade Links Akola	TE Mech	14- 12- 2023	15- 01- 2024	30
92	TAMBE TANVI SOPAN	A.C. Industries Nashik	TE Mech	11- 12- 2023	10- 01- 2024	30
93	THAKARE HARDIK ABHIJIT	Jadhao Layland Pvt. Ltd. Amaravati	TE Mech	13- 12- 2023	24- 01- 2024	30
94	THUBE SUYASH SHIVAJI	Arundatta Industries ServicePvt Ltd Pune	TE Mech	14- 12- 2023	13- 01- 2024	30
95	WAIKAR HARSH RAMCHANDRA (EWS)	Sigma Engineering Solutions Pune	TE Mech	14- 12- 2023	15- 01- 2024	30

96	SOUTALE SWAPNIL PRAKASH	Sharada Industries Pune	TE Mech	15- 12- 2023	16- 01- 2024	30
97	DOKE VAISHNAVI SUDHAKAR	Divyank Engineering Pvt. Ltd. Pune	TE Mech	14- 12- 2023	14- 12- 2024	30
98	GORE ATHARVA PRAMOD	Force Technologies Pune	TE Mech	20- 12- 2023	20- 01- 2024	30

5.7. list of industries supported in the organization of workshops/seminars/webinars/conferences/courses and any other contribution of industry

Term One			
Sr. No.	Faculty Coordinators	Industry Representative and Name of Industry	Nature of Contribution

Term Two			
Sr. No.	Faculty Coordinators	Industry Representative and Name of Industry	Nature of Contribution

5.8 TRAINING TO INDUSTRY PERSONNEL/ ACTIVITY SUPPORTING TO INDUSTRY

Term Two			
Sr. No.	Faculty Coordinator	Technical Area in which Training Provided / Type of Support	Industry Name
1.	Dr S H Wankhade	Orientation Session on TRIZ for the Induction Batches during 28 to 30 Dec 2023.	L&T, Hazira, Gujarat campus

5.9 ANY OTHER ACTIVITIES TO PROMOTE INTERACTION WITH INDUSTRY

Term One			
Sr. No.	Faculty coordinator	Name of Activity	Remark
1	Dr D S Malwad	Visit to industry to monitor BE Mechanical Sandwich student progress	visited to Burckhardt Compression (India) Pvt. Ltd on 05/09/2023

Term Two			
Sr. No.	Faculty coordinator	Name of Activity	Remark
1	Dr D S Malwad	Visit to industry with TE Mechanical Sandwich student for introduction program	Industry introduction program was organized by Stauff India Pvt Ltd at their premises on 29 Jan 2024 to give opportunity for IIT
1	Dr D S Malwad	Visit to industry to monitor TE Mechanical Sandwich student progress	Visited to Burckhardt Compression (India) Pvt. Ltd on 27/03/2024

5.10 STUDENTS UNDERGONE SANDWICH TRAINING (For Mechanical & Production departments)

Term One (BE)					
Sr No	Name of student	Industry	Sr No	Name of student	Industry
1	AGRAWAL JAY GANESH	ZEN ELECTRICAL COMPANY	31	LONARI ROHIT SHANKAR	Fenace Auto
2	BHOI BHAVESH SUNIL	Twin engineers	32	MALEKAR SARVESH DEEPAK	Shri Padmavati

					Industries
3	BHONSLE KARAN HAMBIR	Sthenos composites	33	MANE MANASI NARENDRA	YASH PLASTIC AND ENGINEERING WORKS
4	BHOSALE JAYESH DATTATRAY	KNORR-BREMSE TCI	34	PALIWAL SHEETAL SACHIN	Mettechenik
5	BUUNDELE PRERNAA DINESH	Forbes Marshall	35	PANCHAL MAROTI DNYANOBA	Fine Dies & Moulds (India) Pvt. Ltd.
6	CHAUDHARI DEVENDRA ANIL	Knorr Bremse Technological Center India Pvt. Ltd.	36	PATEL YASH JAYANT	Burckhardt Compression
7	CHAUDHARI MOHAN DATTATRAY	Burckhardt compression	37	PATIL PRAGATI UDAY	Mettechnik
8	CHAUDHARI SHALEM NARESH	Matchwell Engineering	38	PATIL RAJ KIRAN	
9	CHOUDHARI KAILASH SOMARAM	SAMVINSAN Engineering Pvt. Ltd.	39	PATIL YASH DIPAK	KSB pumps
10	CHOURE RAMHARI ASARAM	Dhriti Automotive LLP	40	PAWASKAR MAYURESH KISHOR	ACME Tools
11	DAKLIYA YASH PRASHANT	Armotech Associates	41	PIMPLE MALHAR AJIT	Haldex Anand India Pvt Ltd
12	DATE DHANANJAY VILAS	Burckhardt Compression (India) Pvt. Ltd	42	RANE VISHAL PRAKASH	Tata motors Ltd
13	DESHMUKH ATHANG VIVEK	Knorr-bremse Technology Center India	43	SHINDE YOGADA SANTOSH	Sadhana Enterprises
14	GARODI KUNAL NAMDEO	Knorr-Bremse Technology Centre India Pvt Ltd	44	SONAWANI PARTH SANJAY	A.N. ENGINEERING WORKS
15	GHODERAU SHUBHAM ANIL	Knorr Bremse Technology Center India Private Limited	45	SONDKAR SHWETA AMOL	Stead Solve Design & Manufacturing Solutions LLP
16	GORAD SAURAV GORAKSHANATH	DEC (DESAI ELECTRONICS)	46	SUTAR OMKAR BHARAT	Robtech Automation and Services
17	GUGALE YASH	Shree Om Sai	47	TAKLE ANUJ	Om

	SANDIP	Engineering		BALASAHEB	industries
18	GUJARATHI GAURANG PANKAJ	Knorr-Bremse Technology Centre India	48	TILEKAR CHETAN NANDKUMAR	SteelFab Engineering Pvt.Ltd
19	HATTARGE ABHISHEK ANIL	Shree om sai engineering dhayari,pune	49	URKUDE NIRANJAN JITENDRA	KNORR-BREMSE Technology Center India Private Limited
20	HATTEKAR NIKHIL ABHAY	IndiTech Valves Pvt. Ltd.	50	UTTEKAR ARYESH DHIRAJ	Stead Solve Design & Manufacturing Solutions LLP
21	HINGANE SHUBHAM VIKAS	STEELFAB ENGINEERING PVT. LTD	51	WAGHMARE SHUBHAM SANDIP	Shubham Engineering
22	INGALE ASAWARI DINKAR	IndiTech Valve's Pvt. Ltd.	52	WELDE PARTH JAGDISH	Nathkrupa Engineering
23	JADHAV SHASHWAT SHIVAJI	Llyods steel Industries limited	53	YEVATEKAR YASH MUKUND	Greaves Cotton Ltd
24	KALE MANSI ULHAS	Twin Engineers Pvt Ltd Bhosari.	54	KADAM SIDDHANT SACHIN	Suyog Engineering
25	KARANJKAR ADITI RAMCHANDRA	Stead Solve Design & Manufacturing Solutions LLP	55	PATIL ADITYA AJAY	Suyog Engineering
26	KHARKAR PUSHPANJAY HEMKANT	Burckhardt compression	56	POMAN PRACHIT PRAVIN	Padmavati industries chakan
27	KSHIRSAGAR SHARVARI MADHUKAR	Vishay Components India Pvt Ltd	57	SABALE PRAHLAD GAUTAM	Trison'S Engineering
28	KULKARNI ABHISHEK PRASHANT	ElringKlinger Automotives	58	LIMKAR SHAUNAK PRASHAANT	Quantus Technik
29	LATE PRATHAMESH GIRISH	BEP INDIA AUTOMOTIVE SYSTEMS	59	MUJAWAR MAHAMMADSAIF JAKIRHUSEN	Precision pressing manufacturing
30	JADHAV SHASHWAT SHIVAJI	Llyods steel Industries limited	60	PATIL SIDDHESH MAHESH	Ghatage Patil Industries
Term Two (TE)					
Sr No	Name of student	Industry	Sr No	Name of student	Industry

1	RATNAKAR ROHIT DINKAR	WinOne Product Technologies Pvt Ltd	26	LODHA YASH DHANESH	Force MTU Power Systems Private Ltd.
2	VIDHATE NIKHIL NITIN	WinOne Product Technologies Pvt Ltd	27	GAIKWAD SIDDHANT SHRIKANT	Topsonn Electrotek And Machinery
3	SANDE BAZILALI	Bharat Forge Limited	28	GAWADE PARESH MARUTI	Topsonn Electrotek And Machinery
4	THOMBRE VISHAL VITTHALRAO	Setco Spindles India Pvt Ltd	29	BALKAVADE ADITYA SACHIN	4Dimensions Infotech Pvt Ltd
5	AKOLE ROHAN KISHOR	Atlas Copco (India) Private Limited	30	SUTAR ABHISHEK SANJAY	Bharat Forge Limited
6	APTE DEEPANKAR RAGHUNATH	Atlas Copco (India) Private Limited	31	KATORE PRATIK PRADIP	KION India Private Limited
7	DIVATE PRATHAMESH NARAYAN	KNORR-BREMSE Technology Center India Private Limited	32	JADHAV YASH SUHAS	Universal Gauges
8	RANJAWAN GAURAV DATTATRAYA	Sharv Polyplast Private Limited	33	*Akshay Pardeshi	VES India
9	KAMBLE ADITYA PRAMOD	Bharat Forge Limited	34	PAWAR CHINMAY PRAVIN	NHK Automotive Components India Pvt. Ltd.
10	SHEDAGE RUSHIKESH MAHESH	Bharat Forge Limited	35	SHINDE HARSH VIKAS	Cipla Pharmaceuticals Limited
11	DALWI DHANANJAY SANJAY	WinOne Product Technologies Pvt Ltd	36	KOHAKADE HARSHVARDHAN VIJAY	Carraro India Ltd.
12	JAIN OM GANESH	WinOne Product Technologies Pvt Ltd	37	ATAR SAAD SAMEER	Saya Elevator Industries Pvt Ltd
13	ATHWANI GIRISH MANOJ	Atlas Copco (India) Private Limited	38	BHAJANTRI RAGHAVENDRA BHIMRAO	Bharat Forge Limited
14	BORADE SAHIL SUNILDATTA	Atlas Copco (India) Private Limited	39	JADHAV MANISH SANJAY	Bharat Forge Limited
15	CHAVAN ADITYA ANIL	TRIZ Asia	40	BHOSALE PRANAV PANDURANG	Bhosale Industries
16	VISHWAKARMA RISHU SHIVKUMAR	TRIZ Asia	41	KSHIRSAGAR JAYESH ANIL	Bhosale Industries
17	KALOKHE SAKSHI ANIL	KNORR-BREMSE Technology Center India Private Limited	42	AJABE GIRIDHAR ASHOK	Pure Machine Design

18	KAMBLE ROHAN RAHUL	KNORR-BREMSE Technology Center India Private Limited	43	GUGALE RAJ DHIRAJ	Burckhardt Compression (India) Pvt. Ltd
19	LAMJANE VINAYAK S	KNORR-BREMSE Technology Center India Private Limited	44	JASUD ANUJ GORAKH	Burckhardt Compression (India) Pvt. Ltd
20	UPADHYAY AYUSH DHANANJAY	KNORR-BREMSE Technology Center India Private Limited	45	PAWAR UDDHAV SURYAKANT	VES India
21	BORASE PARIJAT DNYANESHWAR	KNORR-BREMSE Technology Center India Private Limited	46	MORE AKASH SANJAY	I-Tech Industries India Pvt Ltd
22	KHAIRE SUMIT CHINTAMANI	Automotive Research Association of India	47	PORE KEDAR HARI	Top Gear Transmission s Pvt Ltd
23	KSHIRSAGAR AYUSH AJIT	Ratna Gears	48	KHADIWALA SANAY JITENDRA	Neo San Private Limited
24	MORE ATHARVA ARUN	Ratna Gears	49	MAHESHWARI ATHARVA SAMJAY	Fine Handling and Automation Pvt Ltd
25	GHODKE SHREE DATTATRAY	Atlas Copco (India) Private Limited			



“NDT Techniques in Heat Exchanger Design” Talk by Mr B B Mate

“NDT Techniques in Heat Exchanger Design” Talk by Mr B B Mate



Industry Visit at CWMSRTC Dapodi Pune

AISSMS COLLEGE OF ENGINEERING
 Approved by AICTE, New Delhi, Registered by Govt. of Maharashtra
 Affiliated to Sardar Patel Pune University and recognized under 2B and 12 (B) by UGC
 (B-79), Pimpri-Chinchwad, 411 001, Mumbai, India. C-41327
 Accredited by NAAC with A+ Grade

SHRI MALOTRAJI CHHATRAPATI
 Managing Secretary
 MEDS Edu. Visit/2023-24

To
 The Manager
 Pump Pumping Station
 Pune - 411 011

Respected Sir,

The All India Shri Shivaji Memorial Society established in 1918, is a premium education society in India, and is catering instructions in General Education, and now in Engineering Education. Ours is reputed Engineering College affiliated to University of Pune, since 1992.

You will appreciate that the academics needs to be supplemented by better industry interaction, say through industrial visits to reputed organizations like you.

As this visit is a technical visit and we want to see all the technical details, we would request you to kindly give us appropriate permission.

Following are the details:

Class: BE Mechanical	: Number of students - 60+60
Teacher accompanying	: Mr. M.U. Ghan & Mr. S. Ansari
Probable date of Visit	: 27 October 2023 (02 Days)
Area of interest/supplement to subjects	: Pumping Station and Maintenance

Your kind prompt affirmative reply would be of immense help to us. Even confirmation through e-mail is appreciated.

Thanking you

Yours Sincerely,

Dr. S.H. Wankhede
 Head, Mechanical Engineering Department

1992-2017

For further details please contact Mr. S. Ansari 898315332
 Email - sansari@aiissmcoe.com

AISSMS COE, PUNE

Allowed Visit
 on dt - 27-10-2023
 time - 10:30 am.
 26/10/2023

कार्यकारी अधिवक्ता (विद्युत)
 लष्कर जलकेंद्र
 पुणे महानगरपालिका

1, Kennedy Road, Near R.T.D., Pune 411 001, Maharashtra, India
 Tel : +91 20 2605 8587, 2605 7660, 2605 8342
 URL : www.aiissmcoe.com Email : contact@aiissmcoe.com, principal@aiissmcoe.com



5.2 Expert Lecture: Mr. Amrendra Project Manager, Rolling Stock, Pune Metro titled “Mechatronics applications in Metro Train” on 27th October, 2023.



5.5 Dr S H Wankhade at Maharajashree Industrial Solutions, PCMC, Pune undergoing Industrial Training and participating in the Development of Project on Automatic machine for Cheese Stuffing in Mushroom for an USA client.



5.8 TRAINING TO INDUSTRY PERSONNEL: Dr Sandeep Wankhade with the participants of L&T - PRAYAG 2.0 - Emerging Technology Workshops at HE Hazira CTCW _ 61 Participants.

6.STUDENTS' ACHIEVEMENTS

6.1 STUDENTS' ACHIEVEMENT (Professional) (Individual Level) (Technical activities such as design competitions, paper presentation, technical quiz, Product development, innovation, etc.)

Term One		
Name of Student	Details of Achievement (State/University/ National/International Level)	Remark (Domain)
Abhishek Jadhav	Internal Smart India Hackathon dt. 25/9/2023	Participation
Prasad Mane	Technoxian World Robotics Championship dt. 27/7/2023	Participation
Prasad Mane	TEchfest by IIT Bombay, 27th to 29th Dec, 2023	Participation

Term Two		
Name of Student	Details of Achievement (State/University/ National/International Level)	Remark (Domain)
Amit Patil	16th Avishkaar: Maharashtra State Inter-University Research Convention	Participation
Sushank Sisodiya	BAJA SAEINDIA 2023	Third Prize

6.2 STUDENTS' ACHIEVEMENTS (other than Professional) (Individual Level) (Social activities, etc.)

Term One		
Name of Student	Details of Achievement (State/University/ National/International Level)	Remark ((Domain)

Term Two		
Name of Student	Details of Achievement (State/University/ National/International Level)	Remark ((Domain)

6.3 CERTIFICATE / ONLINE COURSES COMPLETED BY STUDENTS (Certificate courses, value added courses, MOOC, etc.)

Term One				
S N	Name of Student	Title of the Course	Conducted By	Duration/ Dates
1	NVSS Lakshmipras anna	"ENERGY LITERACY TRAINING"	Swaraj Foundation	31/8/2023
2	Rutik Sukale	SOLIDWORKS: Advanced Simulation	LinkedIn	29/9/2023
3	Rutik Sukale	SOLIDWORKS: Advanced Simulation	LinkedIn	29/9/2023

Term Two				
S N	Name of Student	Title of the Course	Conducted By	Duration/ Dates
1	RUTIK SUKALE	Mechanical Design	Dassault Systèmes	25/12/2023
2	Om Abnave	CNC Technology	CNC Tech.	8/1/2024 to 29/2/2024
3	NEEL SANTOSH SALVI	Google Cybersecurity	COursera	3/1/2024
4	Rutik sukale	CAD Basics	onshape	10/2/2024
5	Alok	Product Designing and Manufacturing	BECIL	9/1/2024

6.4 NUMBER OF STUDENTS PLACED

Term One			
Sr No	Name of Student Placed Mechanical Engineering	Name of Organization	Package
1	Akash Dipak Kakade	Fleetguard Filters	4.50 LPA
2	AASHISH SHASHIKANT MAHALE	Cognizant	4.00 LPA
3	Amey Gandhi	Fleetguard Filters	4.50 LPA
4	Aryan Deshpande	Siemens	4.50 LPA
5	Atharav Abhijeet Karande	L&T Infotech	4.00 LPA
6	Atharva Naik	Premium Transmission	4.00 LPA
7	ATHARVA PRAVIN PAKHODE	Cognizant	4.00 LPA
8	DNYANESHWAR BABASAHEB THOMBRE	Premium Transmission	4.00 LPA
9	Durgesh Rajendra Nankar	L&T Infotech	6.50 LPA
10	Gaurav Thakkar	Alten	3.50 LPA
11	Girish Kamble	Thermax	3.50 LPA
12	KSHITIJ KISHOR MODHE	Cognizant	4.00 LPA
13	Kshitij Modhe	DeltaX	8.50 LPA
14	Madhura Gulwani	Fleetguard Filters	4.50 LPA
15	Nikita Bhamre	Neilsoft	3.00 LPA
16	Om Bayas	Bristlecone	4.50 LPA
17	OMKAR PRALHAD LANDGE	Cognizant	4.00 LPA
18	Parag Dhamne	Praj Industries	4.50 LPA
19	Parag Rajendra Dhamne	Pinclick	4.80 LPA
20	PARTH JIVARAJ KHEDEKAR	Cognizant	4.00 LPA
21	Pritam Taksal	Thermax	3.50 LPA

22	Ranjit Kharat	Tata Consultancy Services	3.36 LPA
23	Rohit Sorate	M3 Technologies	2.40 LPA
24	Sanyogini Mohite	Fleetguard Filters	4.50 LPA
25	Siddharth Shitole	Tata Consultancy Services	3.36 LPA
26	Srushti Shinde	Fleetguard Filters	4.50 LPA
27	Tanaya Pradeep Jagtap	Cognizant	4.00 LPA
28	TANVI JAYPRAKASH GAVHANE	Cognizant	4.00 LPA
29	Tejas Lot	Godrej & Boyce	6.50 LPA
30	Vikky Kale	Tata Consultancy Services	3.36 LPA
31	Vishvajeet Ghatage	Twin Engineers	3.00 LPA
32	VRUNDA PARMESHWAR MANE	Cognizant	4.00 LPA
33	Yogesh Dinesh Nawde	Siemens	4.50 LPA
34	Anushka Kulkarni	Fleetguard Filters	4.50 LPA
35	Suyash Pawar	SwiftPLM	4.50 LPA
36	Kundan Ghorpade	I-DESIGN	3.60 LPA
37	Pratul Mulik	RLE International	3.50 LPA
38	Ganesh Khandalkar	Helical Auto Technology India Pvt Ltd	3.00 LPA
39	Shivam Yewale	RLE International	3.50 LPA
40	Archit Kale	Godrej & Boyce	6.50 LPA
41	DHIRAJ RAJESH SHINDE	Premium Transmission	4.00 LPA

42	DIVYA MAHENDRA DHAMAL	Premium Transmission	4.00 LPA
43	LAKSHMI BAKSHI	Linde Engineering	5.00 LPA
44	OMKAR SHARAD DALVI	Premium Transmission	4.00 LPA
45	Prashant Vaijnath Surwase	Premium Transmission	4.00 LPA
46	Raj Nishandar	Fleetguard Filters	4.50 LPA
47	Sanskar Sunil Fursule	Premium Transmission	4.00 LPA
48	SAYALI SANTOSH KOLI	Cognizant	4.00 LPA
49	UTKARSH ANIL EKATPURE	Premium Transmission	4.00 LPA
50	Vedant Aher	Thermax	3.50 LPA
51	VEDANT RAMESHRAO GODBOLE	Premium Transmission	4.00 LPA
52	Vinaya Arun Gholap	Premium Transmission	4.00 LPA
53	VISHWAJIT JANBA PAWAR	Premium Transmission	4.00 LPA

Mechanical

Lower Package Offered:2.5 LPA

Higher package Offered:8.5 LPA

Average Package Offered:4.5 LPA

Term One/Two			
Sr No	Name of Student Placed Mechanical Engineering Sandwich	Name of Organization	Package
1	Akshat Hole	Tata Consultancy Services	7.60 LPA
2	Arpit Simon Zilkar	Byju's	4.50 LPA

3	Chaitanya Kale	Fleetguard Filters	4.50 LPA
4	Devshri Bharate	Fleetguard Filters	4.50 LPA
5	Harshal Gaikwad	Radiance Hydraulics	3.00 LPA
6	Hitesh Jadiye	Tata Consultancy Services	3.36 LPA
7	Rameez Shaikh	GNS Engineering India Pvt Ltd	2.50 LPA
8	Pranav Kharosekar	Neilsoft	3.00 LPA
9	Shahid Khan	Knest Manufacturers LLP	3.00 LPA
10	Abhijt Dahagaonkar	Test Yantra Software Solutions	3.18 LPA
11	Bhoite Sanjeevani Sanjay	UTS Global	3.50 LPA
12	Saroware Pratham Ravikant	Wineone Product Technologies Pvt Ltd	3.80 LPA
13	Chavan Abhishek Santosh	Praj Industries Pvt Ltd	4.50 LPA
14	Karandikar Shreya Shailesh	Thermax	5.50 LPA
15	Naik Ghanshyam Pradip	Thermax	5.50 LPA

Mechanical Sandwich

Lower Package Offered:2.50 LPA

Higher package Offered:7.60 LPA

Average Package Offered:3.5 LPA

6.5 NUMBER OF STUDENTS QUALIFIED IN THE EXAMINATIONS (GATE, GRE, UPSC, MPSC, CAT, TOEFL, any other examination)

Sr. No	Name of Student	Examination	Examination / registration number
1			

6.6 SPORTS / CULTURAL ACHIEVEMENTS OF STUDENTS (Individual Level)

(Team level achievements to be mentioned in institute level sports/Cultural committee report)

Term One		
Name of Student	Details of Achievement (State/University/ National/International Level)	Remark (Domain)

Term Two		
Name of Student	Details of Achievement (State/University/ National/International Level)	Remark (Domain)

6.7 STUDENTS' ACHIEVEMENTS (Team Level)

Term One			
Name of Event	Name of Faculty Advisor	Details of Achievement (State/University/ National/International Level)	Remark (Domain)
SAEISS DRONE DEVELOPMENT CHALLENGE 2023	(Dr) D Y Dhande	National 2nd rank in BEST AERODYNAMIC ANALYSIS (CFD) AWARDS	2nd rank in BEST AERODYNAMIC ANALYSIS (CFD) AWARDS

Term Two			
Name of Event	Name of Faculty Advisor	Details of Achievement (State/University/ National/International Level)	Remark (Domain)
Baja SAEINDIA 2024	Dr. C S Dharankar Mr. Shahid Ali I.A	1. Cost winner AIR 1 2. Overall statics AIR 3 3. VDE Manoeuvrability AIR 2 4. VDE All Terrain Performance AIR 2 5. Physical Acceleration AIR 3	

		6. Sledge pull AIR 3 7. Physical Maneuverability AIR 1 8. Physical Suspension & Traction AIR 2 9. Overall physical dynamic event AIR 2 10. Overall All India Rank 1	



Trophy for National
2nd rank in BEST AERODYNAMIC
ANALYSIS

7. SUMMARY AND SWOC ANALYSIS

7.1 ANY OTHER NOTEWORTHY ACHIEVEMENT OF THE DEPARTMENT (Not mentioned above)

Sr. No.	Details

7.2 MISCELLANEOUS (SYLLABUS IMPLEMENTATION, MAJOR ADDITION IN INFRASTRUCTURE AND FACILITY, INNOVATIONS INTRODUCED, ETC.)

FACULTY	ACTIVITY

7.3 FEEDBACK FROM STAKEHOLDERS

Sr No	Stake holder	Number of Feedbacks Received	Overall Feedback
1	Alumni	13	Need Improvement in Placement
2	Parents	12	Financial support to project by college
3	Employers	09	IOT and AIML based projects to be incorporated
4	Students	256	Career Counselling, Washroom Cleanliness, Hygienic drinking water, Classroom ambience need to improve, Software training

7.4 TWO BEST PRACTICES FOLLOWED IN THE DEPARTMENT

Mentoring System

Industry Interaction through Sandwich Training

7.5 MAJOR GRIEVANCES OF STUDENTS (IF ANY) REDRESSED

NA

7.6 SWOC ANALYSIS

Five major strengths, weaknesses, opportunities, and challenges (SWOC) of the department and future plans of the Department.

Strengths:

1	Qualified and experienced faculty
2	Good connect with various professional bodies
3	Accredited by NBA
4	Good retention ratio of faculty

Weaknesses:

1	Less number of funded projects.
2	Research grants
3	Consultancy Projects
4	Limited placements in core industries

Opportunities:

1	Research and consultancy initiative
2	Revenue generation through resources sharing
3	Development of industry supported laboratories
4	Large pool of alumni can be harnessed to improve the quality of placement and research activities.
5	Establishment of Innovation and Incubation Center

Challenges

1	Placement of students in core industries.
2	Adoption of emerging technologies through NEP Policy
3	Autonomy

7.7 FUTURE PLANS OF THE DEPARTMENT (For Next Academic Year)

1	Autonomy
2	Implementation of NEP

7.8 INITIATIVES TAKEN BY THE DEPARTMENT AT DEPARTMENT AND INSTITUTE LEVEL TO IMPROVE AND ASSURE QUALITY IN THE FOLLOWING AREAS

Area	Initiatives
Academics and overall profile of Department	Expert talk, Industry Meets, Industry Interaction through visit
Organization of different activities	Value added Courses
Research and Innovation	Consultancy Projects
Industry institute Interaction	More number of Functional MOU's
Students' Achievements	University Topper

SUMMARY SHEET (Annual)

Sr No	Activity/ Item	Numbers
PROFILE OF DEPARTMENT		
01	Students in the department	714
FACULTY CONTRIBUTION		
02	e content developed by faculty and available online	10
03	Number of FDP/STTP attended by the department faculty	26
04	Number of Seminars/ workshops/ webinars attended by the department faculty	13
05	Number of Conferences/ symposiums attended by the department faculty	04
06	Number of Online courses / certificate courses completed by department faculty	20
07	Number of extension lectures / webinars (Lectures delivered on other than technical topics))	02
08	Number of Faculty served as resource person, expert, chairperson	09
ACTIVITIES ORGANISED		
09	Number of FDP/STTP organized by the department	01
10	Number of Seminars/ workshops/ webinars organized by the department (for faculty)	05
11	Number of Conferences/ symposiums organized by the department (for faculty)	
12	Number of Extension activities conducted by the department (Social/ Quizzes at national/international level/any other activity)	09
13	MOU signed with academic and professional organizations	

14	Number of Students' chapters /clubs	08
15	Number of Social activities organized	03
16	Number of Parent meeting	01
17	Number of Alumni meet	01
18	Number of student counseling and career guidance at the department level	
	RESEARCH CONTRIBUTION	
19	Number of Funded research project	04
20	Number of Testing and consultancy	
21	Number of Patents, copyright, trademark and other (IPR)	08
22	Number of Papers published/ presented in proceedings of conferences	07
23	Number of Papers published in journals	01
24	Number of Book/ article publications	03
25	Total Research citations	1769
26	Number of ME awarded	
27	Number of PhD AWARDED	
	INTERACTION WITH INDUSTRY	
28	Number of Industrial visits organized	15
29	Number of Expert lectures delivered by industry experts	11
30	Number of Industry –sponsored projects (UG/PG)	01
31	Number of MOU signed with industry	10
32	Number of Faculty members undergone industrial training	02
33	Number of Students undergone in-plant training and (or) internship programme	98
34	Number of students placed	68
35	Number of students qualified in the examinations	

Declaration by the Head of the Department

I am aware that the above information provided by the Department will be validated by the AAA committee during the visit.

A handwritten signature in blue ink, appearing to read 'Dr S V Chaitanya', is placed within a white rectangular box.

Dr S V Chaitanya
Head of Department