



# AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय



Approved by AICTE, New Delhi, Recognized by Government of Maharashtra  
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC  
(Id.No. PU/PN/Engg./093 (1992))

Accredited by NAAC with "A+" Grade | NBA - 7 UG Programmes

## Internal Quality Assurance Cell DEPARTMENT OF ROBOTICS & AUTOMATION / PRODUCTION ENGINEERING ANNUAL REPORT

(15 JUNE 2024 to 14 June 2025)

TERM ONE: 15 June 2024 to 30 November 2024

TERM TWO: 01 December 2024 to 14 June 2025

### Academic Year 2024 – 25

#### 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 separate row for every details.
- ❖ For any queries, you may contact: Dr C S Choudhari, Coordinator, IQAC
- ❖ email: [iqac@aiissmscoe.com](mailto:iqac@aiissmscoe.com)

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# **1. PROFILE OF DEPARTMENT**

## **VISION OF DEPARTMENT**

**To produce responsible professionals in the field of Robotics & Automation Engineering.**

## **MISSION STATEMENTS OF DEPARTMENT**

- **Impart state of art technical education in Robotics & Automation Engineering.**
- **Inculcate sustainable skills in automation technologies, research, and learning attitudes.**
- **Committed to fulfilling the needs of society in the manufacturing and service sector.**
- **Prepare individuals with the ability to fulfill social responsibilities.**

## 1.1 INTRODUCTION

Year of Establishment	1994 / 2022-23
UG Programmes	<b>Production Engineering (Sandwich)/ Robotics and Automation Engineering</b>
PG Programmes	<b>NA</b>
Number of Teaching Staff	10
Number of Non-Teaching Staff	13 (Production + Workshop)

## 1.2 LABORATORIES IN THE DEPARTMENT

### Production SW

Name of Laboratory		Name of Laboratory	
1	CAD/CAM Laboratory	4	Tool Engineering Laboratory
2	Robot & Automation Laboratory	5	NonTraditional Machine Laboratory
3	Production Management Laboratory	6	Advanced Production Technology

### Robotics & Automation Engineering

Name of Laboratory		Name of Laboratory	
1	Robotics Laboratory	3	Software Laboratory
2	PL and SCADA Programming Laboratory	4	Sensor Technology Laboratory

### 1.3 SOFTWARES AVAILABLE IN THE DEPARTMENT

Software Available		Software Available	
1	Unigraphics Mfg. Bundle 10 nos. and (FEMAP +NASTRAN) 5 nos. and FACTORY CAD-2 nos. and FACTORY FLOW-02 Nos.and eMplant- 02 Nos.	6	JASP- Version 2 (Janatics Animation Software & Pneumatics) (01)
2	Computer Software Autodesk Inventor Professional Edu. License (03)	7	Systat Statistical Software -Version 12 (01)
3	Solid Edge Bundle (Drafting Solid Modeling and Sheet Metal) for 25 users	8	RoboAnalyzer - 30 Licenses
4	Unigraphics 8.0 Cam Express (Simulation, Modeling, Tool Path Generation) 20 users	9	RT Toolbox Software – 30 Licenses
5	ANSYS Academic Teaching + CFD Version 16.2 for (25 user)		

### 1.4 FACULTY IN THE DEPARTMENT

Name of faculty	Designation
Mr V D Dholle	Head & Workshop Superintendent
Dr N G Shekapure	Assistant Professor
Mr M A Kelkar	Asst Workshop Superintendent
Mr S S Kallurkar	Assistant Professor
Mr S N Chiwande	Assistant Professor
Mr S K Bidgar	Assistant Professor
Mr M L Chanpur	Assistant Professor
Mr Y R Chandwade	Assistant Professor
Dr (Ms) A S Ubale	Assistant Professor
Mr M P Bauskar	Assistant Professor

## 1.5 DETAILS OF SUPPORTING STAFF

Name of non-teaching staff	Designation
Mr Rahul S Gangawane	Technical Assistant
Mr Pratik B Alhat	Lab Assistant
Mr A Chopane	Store Keeper
Mr N V Walke	Instructor
Mr V N Hire	Instructor
Mr Sanjay M K	Instructor
Mr R M Khedekar	Instructor
Mr P D Pawar	Electrician
Mr A G Mate	Electrician
Mr B H Gade	Attendant
Mr Y G Patil	Attendant
Mr N V Adhav	Attendant
Mr A U Dhame	Attendant

## 1.6 STUDENTS' ENROLLMENT (2024-25)

Program	GEN		SC		ST		OBC		PWD		Others		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
UG (R & A)	17	7	2	2	–	–	11	5	–	–	11	5	41	19

### Over and Above Admission (2024-25) (OPEN EWS and TFWS)

Program	Over and above		Total	
	M	F	M	F
UG (R & A)	6	2	6	2

## 1.7 STUDENTS–FACULTY FEEDBACK DETAILS

Sr. No.	Term One				
	Name of faculty	Class and Subject taught	Feedback (I) (%)	Feedback (II) (%)	Average Feedback (%)
1	Mr V Dholle	Operation Research (BE PSW)	87	95.87	91.43
2	Dr N G Shekapure	Creative Product Design (BE Prod)	96	99.37	98
3	Dr N G Shekapure	Industrial & Technology	92	94	93



		Management (TE Electrical)			
4	Mr M A Kelkar	Manufacturing Technology SE (R & A)	88	88	88
5	Mr S S Kallurkar	Sensors Technology TE (R&A)	81	80.48	80.74
6	Mr S S Kallurkar	C Programing Lab SE (R&A)	79	81.48	80.24
7	Mr M L Chanpur	Strength of Materials (SE R&A)	88	90.12	89.06
8	Mr M L Chanpur	Strength of Materials Lab (SE R&A)	79	88.64	83.82
9	Mr S K Bidgar	Material Science & Engineering Metallurgy (SE R&A)	79	84	81.5
10	Mr Y R Chandwade	Industrial Robotics & Material Handling System (TE R&A)	92	93.33	92.66
11	Mr Y R Chandwade	Mini Project (BE Prod)	96	98.89	97.44
12	Dr (Ms) A S Ubale	Embedded System in Robotics (TE R&A)	89	82.91	8.5
13	Mr M P Bauskar	Manufacturing Automation/ BE Prod sw	88	97	92.5
14	Mr M P Bauskar	Hydraulics & Pneumatics/ TE Robotics & Automation	82	82.71	82.36
15	Mr S N Chiwande	Industrial Robotics (BE Prod)	95	99	97
16	Mr S N Chiwande	Robot Kinematic & Dynamics (TE R&A)	82	78	80

<b>Term Two</b>					
<b>Sr No</b>	<b>Name of faculty</b>	<b>Class and Subject taught</b>	<b>Feedback (I) (%)</b>	<b>Feedback (II) (%)</b>	<b>Average Feedback (%)</b>
1	Mr V D Dholle	Kinematics & Design of Machines	73.02	82.96	<b>78</b>
2	Dr N G Shekapure	Artificial Intelligence for Robotics TE (R&A)	93.70	98.60	<b>96.15</b>
3	Dr N G Shekapure	Artificial Intelligence for Robotics TE (R&A)	93.70	98.19	<b>95.89</b>
4	Dr N G Shekapure	Industrial Engineering Management SE (R&A)	88.31	92.59	<b>90.45</b>
5	Mr S S Kallurkar	Computer Graphics for Robotics (SE R&A)	77.20	85.32	<b>81.26</b>
6	Mr S S Kallurkar	Statistics and Numerical Optimization (TE PSW)	84.76	92.22	<b>88.49</b>
7	Mr S N Chiwande	Theory of Machine (SE Prod)	100	100	<b>100</b>
8	Mr M L Chanpur	SE/Design of Machine Elements/ (SE R&A)	87.90	92.46	<b>90.18</b>
9	Dr A S Ubale	Control System Engineering (SE R&A)	85.43	91.52	<b>88.4</b>
10	Dr A S Ubale	SE/Project Based Learning	85.60	93.20	<b>89.4</b>
11	Mr S S Kallurkar	SE/ Computer Graphics for Robotics	77.20	80.48	<b>78.84</b>
12	Mr S S Kallurkar	TE Prod SW/ Statistics and Numerical Optimization Methods	84.76	92.22	<b>88.49</b>
13	Mr S N Chiwande	World Class Manufacturing (TE Prod)	92	94.44	<b>93.22</b>

14	Mr Y R Chandwade	Material forming and mould design (TE Prod)	93.33	97.28	<b>95.30</b>
15	Mr Y R Chandwade	Modelling and Simulation (TE R&A)	95.93	95.56	<b>95.75</b>
16	Mr S K Bidgar	Flexible Manufacturing System (TE R&A)	88.37	90.78	<b>89.58</b>
17	Mr M P Bauskar	Robot Programming (TE R&A)	89.04	92.59	<b>90.08</b>

### 1.8 RESULT ANALYSIS (OCT 24) PRODUCTION SW

Term One					
Name of faculty	Class and Subject Taught	% passing	Name of faculty	Class and Subject Taught	% passing
Mr M P Bauskar	BE (MA-TH)	<b>100</b>	Mr S N Chiwande	BE (IR-TH)	<b>100</b>
Mr V D Dholle	BE (OR-TH)	<b>85.71</b>	Dr N G Shekapure	BE (CPD-TH)	<b>100</b>
All Faculty Members	TE (IIT-TW)	<b>100</b>	All Faculty Members	TE (Seminar-OR)	<b>100</b>
All Faculty Members	TE (IIT-OR)	<b>100</b>	All Faculty Members	TE (MT-TH)	<b>87.5</b>
All Faculty Members	TE (Seminar-TW)	<b>100</b>	All Faculty Members	TE (MT-TW)	<b>100</b>
Dr M Gauratra	SE (EM III-TH)	<b>100</b>	Mr M A Kelkar	SE (MP I-TH)	<b>100</b>
Mr S S Kallurkar	SE (H&FE-TH)	<b>100</b>	Mr S K Bidgar	SE (MS&M-TH)	<b>100</b>
Mr M L Chanpur	SE (SOM-TH)	—			

### (OCT 24) ROBOTIC AND AUTOMATION

Term One					
Name of faculty	Class and Subject Taught	% passing	Name of faculty	Class and Subject Taught	% passing
Dr A S Ubale	TE (ESR-TH)	<b>100</b>	Mr S S Kallurkar	TE (ST-TH)	<b>100</b>

Mr M P Bauskar	TE (H&P-TH)	<b>100</b>	Mr Y R Chandwade	TE (IR&MHS-TH)	<b>100</b>
Mr S N Chiwande	TE(RK& D- TH)	<b>100</b>	Mr M A Kelkar	SE (MT-TH)	<b>97.14</b>
Dr M Gauratra	SE (EM III-TH)	<b>91.5</b>	Mr S K Bidgar	SE (MSME-TH)	<b>94.3</b>
Mr M L Chanpur	SE (SOM-TH)	<b>80</b>			
Mr Rajesh Wani	SE (IEE-TH)	<b>88.57</b>			

**MAY 25 (PRODUCTION SW) (Result Awaited)**

<b>Term Two</b>					
<b>Name of faculty</b>	<b>Class and Subject Taught</b>	<b>% passing</b>	<b>Name of faculty</b>	<b>Class and Subject Taught</b>	<b>% passing</b>
All Faculty Members	BE IIT (TW)		All Faculty Members	BE Project (OR)	
All Faculty Members	BE IIT (OR)		Mr S S Kallurkar	BE SCM (PP)	
All Faculty Members	BE Project (TW)		Mr M A Kelkar	TE MQC (TH)	
Mr V D Dholle	TE KDM (TH)		Mr S S Kallurkar	TE WCM (TH)	
Mr S S Kallurkar	TE S&NOM (TH)		Mr S N Chiwande	TE WCM(TH)	
Mr Y R Chandwade	TE MFMD (TH)		Mr S K Bidgar	SE MP II (TH)	
Mr S M Chaudhari	SE EEE (TH)		Mr M P Bauskar	SE IEM (TH)	
Mr S N Chiwande	SE TOM (TH)		Mr M L Chanpur	SE DME (TH)	

**(MAY 25) ROBOTIC AND AUTOMATION**

<b>Term Two</b>					
<b>Name of faculty</b>	<b>Class and Subject Taught</b>	<b>% passing</b>	<b>Name of faculty</b>	<b>Class and Subject Taught</b>	<b>% passing</b>
Dr N G Shekapure	SE IEM (TH)	91.4	Mr M A Kelkar	SE MQA (TH)	91.4
Dr.A S Ubale	SE CSE (TH)	94.3	Mr S S Kallurkar	SE CGR (TH)	91.42
Mr M L Chanpur	SE DME (TH)	83	Mr Y R Chandwade	TE M&S(TH)	100

Mr M P Bauskar	TE RP(TH)	100	Mr S K Bidgar	TE FMS (TH)	100
Dr N G Shekapure	TE AIFR(TH)	100			

### 1.9 CLASS RESULT ANALYSIS (All Classes FE to BE)

Term One (OCT 24)												
S N	Class	Number of Students = 74									Percentage of Passing	
		Appeared	Clear Passed	Outstanding (O) (91 -10)	Excellent (A+) (81 - 9)	Very Good (A) (71 - 8)	Good (B+) (61 - 7)	Above Average (B) (51 - 6)	Average / pass class (4 - 5)	Fail (F) 0 - 399	All Clear	With ATKT
1	SE(PSW)	1	—	—	—	—	—	—	—	—	—	100
2	SE(R&A)	35	28	3	11	12	2	—	—	—	80	100
3	TE(PSW)	8	7	7	—	—	—	—	—	—	87.5	100
4	TE(R&A)	32	28	11	16	1	—	—	—	—	87.5	100
5	BE(PSW)	7	6	—	1	4	1	—	—	—	85.71	100

Term Two (MAY 25)												
S N	Class	Number of Students =									Percentage of Passing	
		Appeared	Clear Passed	Outstanding (O) (91 -10)	Excellent (A+) (81 - 9)	Very Good (A) (71 - 8)	Good (B+) (61 - 7)	Above Average (B) (51 - 6)	Average / pass class (4 - 5 )	Fail (F) 0 - 399	All Clear	With ATKT
1	SE (PSW)											
1	SE (R&A)	35	27	1	17	9	—	—	—	1	77.14	97.14
2	TE (PSW)											
3	TE (R&A)	33	33	17	12	3	1	—	—	—	100	—
4	BE (R&A)											

Term Two Final Result for BE Classes (Based on CGPA) (MAY 25)											
S N	Cla ss	Number of Students								Percentage of Passing	
		Appeared	Clear Passed	Outstanding (O) (91 -10)	Excellent (A+) (81 – 9)	Very Good (A)	Good (B+) (61 – 7)	Above Average (B) (51 – 6)	Average / pass class (4 – 5)	Fail (F) 0 – 399	
1											

### 1.10 UNIVERSITY RANKERS (Consider last five academic years)

Academic Year 2024 - 25 (Oct 24) Academic Term I (R&A)			
Sr No	Name of the Ranker	Class	Rank
1	Barge Arya Uday	SE	1
2	Ayush Prakash Jagadale	SE	2
3	Newale Bhargavi Vikas	SE	3
4	Chavhan Shruti Kailash	SE	4
5	Gadewar Krishna Dhananjay	SE	4
1	Dongare Sanika Sanjay	TE	1
2	Alurkar Avani Anand	TE	2
3	Choudhari Swayam Popat	TE	3
3	Kanate Parth Wasudeo	TE	4

Academic Year 2024 - 25 (Oct 24) Academic Term I (Production SW)			
Sr No	Name of the Ranker	Class	Rank
1	_____	SE	NIL
1	Mane Yuvraj Rajkumar	TE	1
2	Mitali Paramanand Hurdale	TE	1
3	Bhise Sulakshan Prakash	TE	2
4	Dhumal Bhuvan Shekhar	TE	2
1	Atiwadkar Parth Pandit	BE	1
2	Gadakh Abhishek Ashokrao	BE	2
3	Navsupe Tejas Popat	BE	2
4	Umesh Balasaheb Khadke	BE	3
5	Hande Vaishnavi Ganesh	BE	4

<b>Academic Year 2024 - 25 (MAY 25) Academic Term II (R&amp;A)</b>			
<b>Sr No</b>	<b>Name of the Ranker</b>	<b>Class</b>	<b>Rank</b>
1	Barge Arya Uday	SE	1
2	Thorat Anjali Dattatra	SE	2
3	Ayush Prakash Jagadale	SE	3
4	Bhoite Shrinivas Gajanan	SE	3
5	Mehta Akshat Avinash	SE	3
6	Newale Bhargavi Vikas	SE	3
1	Dongare Sanika Sanjay Dongare	TE	1
2	Alurkar Avani Anand	TE	1
3	Kanate Parth Wasudeo	TE	2
4	Ghodke Sakshi Siddheshwar	TE	3
5	Kalshetti Chaitanya Santosh	TE	4





## **2. FACULTY CONTRIBUTION**

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

Term One		
SN	Name of Faculty	Awards & Recognitions
01	Dr N G Shekapure	Received 2nd Prize in Blogathon Competition on the Occasion of Teachers Day-2024

Term Two		
SN	Name of Faculty	Awards & Recognition
01	Nil	

## 2.2 CONTRIBUTION OF FACULTY (Interaction with the 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)
01	Dr N G Shekapure	BOS Member, Production and Industrial Engineering at SPPU, Pune
02	Dr N G Shekapure	BOS Member, Engineering Sciences & Humanities, PVG COET and GKPIOM, Pune

Term Two		
SN	Name of Faculty	Nature and details of contribution (Representation at University, State, National, International level, corporate world, Social Platforms, etc)
01	Dr N G Shekapure	BOS Member, Production and Industrial Engineering at SPPU, Pune
02	Dr N G Shekapure	BOS Member, Engineering Sciences & Humanities, PVG COET and GKPIOM, Pune

## 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
1	Dr N G Shekapure	Creative Product Design	Impartus	<a href="https://a.impartus.com/ilc/#/course/3022043/1412">https://a.impartus.com/ilc/#/course/3022043/1412</a>
2	M P Bauskar	Find the Efficiency of the Pump	You Tube	<a href="https://youtu.be/iDEIt s332ZM?si=zw0b6Ke FoSUmLkQM">https://youtu.be/iDEIt s332ZM?si=zw0b6Ke FoSUmLkQM</a>

3	Mr M P Bauskar	Sequencing Ckt by using Hydraulic Trainer	You tube	<a href="https://youtu.be/CDuLW0FZfc0?si=F0yhCtrZaWoL2MMv">https://youtu.be/CDuLW0FZfc0?si=F0yhCtrZaWoL2MMv</a>
4	Mr M P Bauskar	Meter out Ckt by using Hydraulic Trainer	You Tube	<a href="https://youtu.be/KKtf1sIYe3o?si=5TKoVkQiPlixokyl">https://youtu.be/KKtf1sIYe3o?si=5TKoVkQiPlixokyl</a>
5	Dr A S Ubale	Understanding GPIO Registers in LPC 2148	You Tube	<a href="https://www.youtube.com/watch?v=8VKCuigx2Zo&amp;t=89s">https://www.youtube.com/watch?v=8VKCuigx2Zo&amp;t=89s</a>
6	Dr A S Ubale	ARM embedded C programming	You Tube	<a href="https://www.youtube.com/watch?v=MawtPFbiMB4">https://www.youtube.com/watch?v=MawtPFbiMB4</a>

Term Two				
Sr No	Name of Faculty	Title of e-content	e-content development facility/platform	link of the content
1	Dr N G Shekapure	Artificial Intelligence and Robotics	Videos and Notes	<a href="https://a.impartus.com/ilc/#/course/3088883/1453">https://a.impartus.com/ilc/#/course/3088883/1453</a>

## 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	M P Bauskar	Transformative Education: Integrating AI Tools with Outcome-Based Learning	Radha Krishna Institute of Technology (RITE), Odisha	05/08/2024 to 11/08/2024 (One Week)
2	Dr A S Ubale	Ethical Issues in Writing	Regional College for Education Research and Technology, Jaipur	11/09/2024 to 16/09/2024 (One Week)
3	Dr A S Ubale	Applications of AI & ML in Emerging Fields Using MATLAB	PRMCEAM Badnera	23/09/2024 to 27/09/2024 (One Week)
4	Dr A S Ubale	VLSI Design Flow: RTL to GDS	NPTEL	Jul-Oct 2024 (12 Weeks)
5	Dr A S Ubale	NITTTR FDP on PLC and SCADA	NITTTR	25/11/2024 to 29/11/2024 (One Week)
6	Mr M A Kelkar	NITTTR FDP on NEP	NITTTR	12/08/2024 to 14/08/2024

7	Dr N G Shekapure	Employability Skills	NITTTR, Chennai	30/09/2024 to 05/09/2024 (One Week)
8	Dr N G Shekapure	Transformative Education: Integrating AI Tools with Outcome-Based Learning	Radha Krishna Institute of Technology (RITE), Odisha	05/08/2024 to 11/08/2024 (One Week)
9	Dr N G Shekapure	Innovative AI Tools for Research Excellence: Effective Writing and Data Visualization	Guru Gobind Singh College of Engineering and Research Center, Nashik	26/08/2024 to 31/08/2024 (One Week)
10	Mr M L Chanpur	HR Analytics	NPTEL - AICTE	Jul – Oct 2024 12 Weeks
11	Mr M L Chanpur	Niche Areas of Sustainable Development	PVG COE	02/09/2024 to 06/09/2024
12	Mr M L Chanpur	Employability Skills	NITTTR, Chennai	30/09/2024 to 05/09/2024 (One Week)
13	Mr V D Dholle	Work System Design	NPTEL	July-Oct 2024 (12 Week)
14	Mr Y R Chandwade	STTP on Question paper design for outcome based-Based curriculum design	NITTR	one week
15	Mr S K Bidgar	21st Century Materials: Advancements in Material Science and Technology	AICTE - ATAL	One Week / 09/12/2024 to 14/12/2024

Term Two				
S N	Name of Faculty	Title of the FDP/STTP	Organized by	Duration/ Dates
1	Dr A S Ubale	Recent Trends and Techniques in Cyber Security & Digital Forensic	Dr. D. Y. Patil College of Engineering and Innovation, Varale, Dist. Pune.	06/01/2025 to 10/01/2025 (One Week)
2	Dr A S Ubale	NITTTR FDP on Simulations in Electronics	NITTTR	03/02/2025 07/02/2025
3	Dr A S Ubale	Introduction to Embedded System Design	NPTEL-AICTE	Jan-Apr 2025 (12 week course)
4	Mr M L Chanpur	Advance Materials for Defence and Aerospace Applications	BITM, Ballari	27/01/2025 to 01/02/2025 (One Week)
5	Mr Y R Chandwade	Advance Materials for Defence and Aerospace Applications	BITM, Ballari	27/01/2025 to 01/02/2025 (One Week)

6	Dr N G Shekapure	Warehouse Management	NITTTR, Bhopal	06/01/2025 to 10/01/2025 (One Week)
7	Dr N G Shekapure	Next Generation: Digital Marketing: Tools, Techniques and Trends	JSPM, Nahre	07/04/2025 to 11/04/2025
8	Dr N G Shekapure	Wadhvani Foundation Ignite India Faculty Development Program on Entrepreneurship	Wadhvani Foundation	24/02/2025 to 28/03/2025
9	Mr M P Bauskar	Innovative teaching Learning Practises for Engg Education	SND COE Yeola	20/01/2025 to 24/01/2025
10	Mr S N Chiwande	Wadhvani Foundation Ignite India Faculty Development Program on Entrepreneurship	Wadhvani Foundation	24/02/2025 to 28/03/2025
11	Mr S K Bidgar	Empowering Educators as Authors & Content Creators	PCCOE, Pune	One Week / 23/06/2025 to 28/06/2025
12	Mr S K Bidgar	Advanced Materials for Defence and Aerospace Applications	Ballari Institute of Tech & Mgt, Karnataka	One Week / 27/01/2025 to 01/02/2025
13	Mr V D Dholle	Cryogenic Hydrogen Technology	NPTEL IIT Madras	Eight Weeks Feb-Apr 2025

## 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 A S Ubale	Significance of Wind Energy in Indian Energy Sector	Hiee Empowering Engineers Pvt. Ltd.	11/08/2024 (One Day)
2	Dr N G Shekapure	AWSOME DAY, Cloud Services	AWS	11/07/2024 (One Day)
3	Mr M L Chanpur	Participated in NEP 2020 Faculty Orientation Workshop on 'Design Thinking And Idea Lab (FE Pattern)	SSPU and PVG College of Engineering	20/08/2024 (One Day)
4	Mr Y R Chandwade	Participated in NEP 2020 Faculty Orientation Workshop on 'Design Thinking And Idea Lab (FE Pattern)	SSPU and PVG College of Engineering	20/08/2024 (One Day)

Term Two				
S N	Name of Faculty	Title of the Seminar/Webinar	Organized By	Duration/ Dates
1	Mr S K Bidgar	Workshop on Advances in Non Traditional Machining	COEP Tech University	10/01/2025 (1 Day)
2	Mr Y R Chandwade	Workshop on Advances in Non Traditional Machining	COEP Tech University	10/01/2025 (1 Day)
3	Mr Y R Chandwade	Webinar on Visual Components simulation software	SimuSoft Technologies	17/3/2025 (1 Day)
4	Mr M P Bauskar	Robodk Simulation Training	Simusoft Technologies Pune	13/03/2025 (1 Day)

## 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	M P Bauskar	4th National Conference on Innovation in Engineering and Technology (NCIET 2024)	AISSMS COE Pune	13 August 2024
2	Dr N G Shekapure	4th National Conference on Innovation in Engineering and Technology (NCIET 2024)	AISSMS COE Pune	13 August 2024

Term Two				
S N	Name of Faculty	Title of the Conference / Symposium	Organized By	Duration/ Dates
1	Mr S K Bidgar	2nd National Conference on Recent Advancements in Manufacturing Technology & Management RAMTM-II 2025	Department of Production Engineering, Jadavpur University	16 - 17th January, 2025
2	Mr M L Chanpur	2nd National Conference on Recent Advancements in Manufacturing Technology & Management RAMTM-II 2025	Department of Production Engineering, Jadavpur University	16 - 17th January, 2025
3	Mr M P Bauskar	First International Conference ICRCESM 2025	Ramchandra COE Andra Pradesh & RSP research Hub	30-31 May 2025

## 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	Mr M L Chanpur	HR Analytics	NPTEL - AICTE	Jul – Oct 2024 12 Weeks
2	Dr N G Shekapure	Employability Skills	NITTTR, Chennai	30/09/2024 to 05/10/2024
3	Dr N G Shekapure	Transformative Education: Integrating AI Tools with Outcome-Based Learning	Radha Krishna Institute of Technology (RITE), Odisha	05/08/2024 to 11/08/2024 (One Week)
4	Dr N G Shekapure	Innovative AI Tools for Research Excellence: Effective Writing and Data Visualization	Guru Gobind Singh College of Engineering and Research Center, Nashik	26/08/2024 to 31/08/2024 (One Week)
5	Mr V D Dholle	Work System Design	NPTEL	July-Oct 2024 (12 Week)
6	Mr M P Bauskar	Transformative Education: Integrating AI Tools with Outcome-Based Learning	Radha Krishna Institute of Technology (RITE), Odisha	05/08/2024 to 11/08/2024 (One Week)

Term Two				
S N	Name of Faculty	Title of the Course	Conducted By	Duration/ Dates
1	Dr A S Ubale	Introduction to Embedded System Design	NPTEL	Jan-Apr 2025 (12 week)
2	Mr M L Chanpur	Research and Publication Ethics	SPPU	16/05/2025 – 18/06/2025 (4 Weeks)
3	Mr V D Dholle	Cryogenic Hydrogen Technology	NPTEL IIT Madras	Feb-Apr 2025

## 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	Nil				

Term Two					
S N	Name of faculty coordinator	Topic	Name and contact details of guest	Date	Number of beneficiaries
1	Mr S K Bidgar	Career Opportunities after Engineering	Mr Arjun Chabra Ace Academy Hyderabad	23/01/2025	55
2	Mr M L Chanpur	Career Guidance for Abroad Studies	Mr Ashwin Ayinipully, Project and Process Engineer, Fleetguard Filters Pvt. Ltd., Pune	23/01/2025	55
3	Dr N G Shekapure	Future-Ready Engineers: Market Trends & Essential Skills for Success	Mr. Sanket Ashok Chaskar	31/01/2025	47

## 2.9 FACULTY SERVED AS RESOURCE PERSON, EXPERT, CHAIRPERSON

Term One				
S N	Name of Faculty	Title of Activity	Organizing body	Date
1	Dr N G Shekapure	Workshop on "Design Thinking & Idea Lab".	PVG's COET & GKPI , Pune	20/08/2024
2	Dr N G Shekapure	Design Thinking and Innovation	Pravara Rural Engineering College, Loni	21/11/2024
3	Dr N G Shekapure	Design Thinking and Product Development	PVPIT, Pune	27/12/2024

Term Two				
S N	Name of Faculty	Title of Activity	Organizing body	Date
1	Dr N G Shekapure	Design Thinking	MIT Alandi	03/01/2025 & 04/01/2025
2	Dr N G Shekapure	Design thinking, Critical Thinking and Innovative Design	MMIT, Lohagaon, Pune	25/01/2025





Expert Lecture on Design Thinking and Idea for Faculties at PVG COE, Pune



Expert Lecture on Design Thinking and Innovation for Students & Faculties of Engineering and Medical College at Pravara Rural Engineering College, Lon



Mr Ashwin Ayinipully delivering talk to student





Expert Lecture on Career Opportunities after Engineering by Mr Arjun Chabra, Ace Academy Hyderabad.

# **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 Participants	Funding Agency (If any) and Amount (Rs)
	-	-	-	-	-

Term Two					
S N	Name of faculty coordinator	Title of the FDP/STTP/WS/ Seminar/Sympos ium	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 Participan ts	Funding Agency (If any) and Amount (Rs)
1	Mr M P Bauskar	One-day Workshop Organized on “Introduction to RoboDk”	22/10/20 24	42	AISSSMS COE

Term Two					
S N	Name of Coordinator/s	Title of the Seminar/Webinar	Duration/ Dates	No of Participan ts	Funding Agency (If any) and Amount (Rs)
1	Mr V D Dholle, Dr A S Ubale	Expert Lecture on Role of Automation in Industry	13/02/202 5	40	-
2	Dr N G Shekapure	Optimizing Supply Chains with AI and Robotics: Trends and Innovations	13/02/202 5	55	

### 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)

Term Two					
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 beneficiaries
1	Mr S N Chiwande Dr A S Ubale	Presentation competition on “Insight into Indian Standards and Its Benefits”	18/10/2024	36
2	Mr M A Kelkar	Engineering Today 2024 - F1 Simulation	26/09/2024 to 27/09/2024	218
3	Mr Y R Chandwade	Engineering Today 2024 - RoboMaze	26/09/2024 to 27/09/2024	31
4	Dr N G Shekapure	Engineering Today 2024 - Mock Placement	26/09/2024 to 27/09/2024	38
5	Mr M L Chanpur	Fort Cleanliness Drive	23/10/2024	33

Term Two				
S N	Name of Faculty Coordinator	Details of activity conducted	Date	Number of beneficiaries
01	Dr. A S Ubale	PBL Project Competition	15/04/2025	38

### 3.5 MOU SIGNED WITH ACADEMIC AND PROFESSIONAL ORGANISATIONS

Term One				
Sr No	Faculty Coordinator	Name of Organisation	Date of MoU Signed	Valid upto 00/00/0000
1	Dr N G Shekapure	HorizonFX, PCSIC, Auto Cluster, 'H' Block, Plot – C-181, M.I.D.C., Chinchwad – Pune-411018, Maharashtra, India.	16/10/2024	15/10/2029

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

Total Functional / Live MoU initiated by Department				
Sr No	Faculty Coordinator	Name of Organisation	Date of MoU Signed	Valid upto 00/00/0000
1	Mr V D Dholle	Pune Heat, Bhosari, Pune	16/04/2024	16/4/2029
2	Mr M A Kelkar	Topsonn Electrotek & Machinery Pune	22/11/2023	22/11/2028
3	Mr M P Bauskar	Mettechnik Pune	02/11/2023	2/11/2028
4	Mr Y R Chandwade	Vishwa Cnc Technologies Pvt Ltd Pune	02/11/2023	2/11/2028
5	Mr S S Kallurkar	Yash Plastic & Engineering Works Pune	01/11/2023	1/11/2028
6	Dr N G Shekapure	Autofina Robotics Automation Pvt Ltd Pune	30/10/2023	30/10/2028
7	Mr S N Chiwande	B & R Industrial Automation Pune	01/03/2023	1/3/2028

8	Mr N G Shekapure	Elon Power Pvt Ltd Pune	22/02/2022	22/2/2027
9	Mr S K Bidgar	UB Cryogenic Solution LPP Pune	04/03/2022	4/3/2027
10	Mr S N Chiwande	PMA, Pune	20/09/2021	20/9/2026
11	Mr M L Chanpur	Aarohi Industries, Pune	18/01/2021	18/1/2026
12	Ms Y K Funde	Univision Automation, Pune	08/01/2021	8/1/2026
13	Mr S N Chiwande	BYST, Pune	04/12/2020	4/12/2025
14	Dr N G Shekapure	HorizonFX, Pune	16/10/2024	15/10/2029

### 3.6 STUDENTS' CHAPTERS /CLUBS

Sr No	Name of Students' Chapter	Number of Student Members
1	Standards Club (BIS)	65
2	The Robotic Society of India, Pune Chapter	17

### 3.7 SOCIAL ACTIVITIES ORGANISED (NSS, Women empowerment, Awareness Programme, etc)

Term One			
Faculty coordinator	Name of Activity	Date, Duration	Number of students involved
Mr M L Chanpur	Fort Cleanliness Drive	23/10/2024	33

Term Two			
Faculty coordinator	Name of Activity	Date, Duration	Number of students involved

### 3.8 Parents Meet

Faculty coordinator	Date	No of Parents Attended	Remark

### 3.9 Alumni Meet

Faculty coordinator	Date	No of Parents Attended	Remark



### 3.10 SUPPORT FROM ALUMNI

Term One					
Sr No	Name of Alumni	Position and Organisation	Batch (eg 2014 – 2018)	Details of Support	Date
1	Mr Ashwin Ayinipully	Project and Process Engineer, Fleetguard Filters Pvt. Ltd., Pune	2020-2023	Expert talk on Career Guidance for Abroad Studies	23/01/2025

Term Two					
Sr No	Name of Alumni	Position and Organisation	Batch (eg 2014 – 2018)	Details of Support	Date
1	Mr. Tapan Chitnis	Engineering Manager – Supply Chain Solutions, NFI Industries, Toronto, Canada	2009-2013	Expert Talk on "Optimizing Supply Chains with AI and Robotics: Trends and Innovations"	13/02/205
2	Mr. Sanket Ashok Chaskar	Management Consultant, Holcon Services Pvt. Ltd	2013-2017	Expert Talk on "Future-Ready Engineers: Market Trends & Essential Skills for Success"	31/01/2025

### 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				

Term Two				
S N	Name of Alumni and Activity coordinator	Details of Activity conducted	Date and duration	Total Number of beneficiaries
1				

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

Number of students referred for counseling	02
Number of Faculty referred for counseling	02

Faculty coordinator	CAREER GUIDANCE ACTIVITY DETAILS
Mr M P Bauskar	Soft skill Training for TE R& A SE R & A conducted In Jan 2025
Mr M L Chanpur	Expert talk on Career Guidance for Abroad Studies by Mr Ashwin Ayinipully, Project and Process Engineer, Fleetguard Filters Pvt. Ltd., Pune on 23/01/2025.



Alumni Interaction - Founders, Diligence Tech Pvt Ltd



Students interacting with Delegates during Automation 2024, Mumbai



**Presentation Competition on “Insight into Indian Standards and Its Benefits” organized under Standard Club on 18/10/2024.**



### Fort Cleanliness Drive at Sinhad



### PBL Project Competition conducted on 15/04/2025

# **4. RESEARCH CONTRIBUTION**

#### 4.1 FUNDED RESEARCH PROJECT

Term One				
S N	Principal Investigator	Title of the Project	Amount Received (Rs)	Funding Agency
	-	-	-	-

Term Two				
S N	Principal Investigator	Title of the Project	Amount Received (Rs)	Funding Agency
	-	-	-	-

#### FUNDING RECEIVED FOR ANY OTHER ACTIVITY

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

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

#### 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	-	-	-	-

Term Two				
Sr No	Name of Faculty	Name of the Patent	Patent Number and Date	Type (National/ International/Commercialized)
	-	-	-	-

TOTAL PATENTS DETAILS OF THE DEPARTMENT					
Sr No	Faculty Coordinator	Title of patent	Status		
			Date of Filing	Date of Publication / Grant	National / International
01	Dr N G Shekapure	IOT Based/ Solar Empowered Agriculture Robot	14/03/2023	24/05/2023	National

TOTAL COPYRIGHT DETAILS OF THE DEPARTMENT				
Sr No	Faculty Coordinator	Title of copyright	Status	
			Date of Filing	Date of Publication / Grant
1	Dr N G Shekapure	Excel Sheet To Compile And Extract Attendance From Microsoft Teams Attendee	07/10/2021	29/12/2021
2	Mr M L Chanpur	A Study of Technical and Economical Feasibility on Cryogenic Treated Plug Gauge Made of OHNS Material	16/09/2022	20/10/2023

## PUBLICATIONS

### 4.4 PAPERS PUBLISHED/ PRESENTED IN PROCEEDINGS OF CONFERENCES

Term One						
S No	Authors	Document Details	Year	Conference Details	ISBN	Organized by
01	Dr N G Shekapure, Mr M P Bauskar	High Availability in Cloud Computing for Supply Chain Management : A Case Study on AWS	2024	NICET 2024		AISSMSC OE
02	M P Bauskar, Dr N G Shekapure, Mr V D Dholle	Experimental Investigation of Mechanical Properties of Polypropylene on adding Additive	2024	NICET 2024		AISSMSC OE

Term Two						
S No	Authors	Document Details	Year	Conference Details	ISBN	Organized by
01	Mr S K Bidgar	A Comprehensive Review of Cryogenic Treatment Effects on Tool Hardness, Wear Resistance and Macrostructural Transformations	2025	2nd National Conference on Recent Advancements in Manufacturing Technology & Management RAMTM-II 2025	978-81-986567-9-7	Department of Production Engineering, Jadavpur University
02	Mr M L Chanpur	A Comprehensive Review of Cryogenic Treatment Effects on Tool Hardness, Wear Resistance and Macrostructural Transformations	2025	2nd National Conference on Recent Advancements in Manufacturing Technology & Management RAMTM-II 2025	978-81-986567-9-7	Department of Production Engineering, Jadavpur University
03	Mr M P Bauskar	Experimental and analytical computation of forming force, major and minor strength and its validation by FEM in SPIF of UHMWTE	2025	First International Conference (ICRCESM-2025)	2584-2137	ICRCESM-2025

#### 4.5 PAPERS PUBLISHED IN JOURNALS

Term One						
S No	Authors	Document Details	Year	Source Details	ISBN/ISSN	Publisher
1						

  

Term Two						
S No	Authors	Document Details	Year	Source Details	ISBN/ISSN	Publisher
1	M P Bauskar,	Experimental & Analytical Computation of Forming Force, Major & Minor Strain & its validation by FEM in SPIF UHMWPE	2025	IRJEAH Vol-3 June 2025	e ISSN2584-2137	Engineering Researcher
2	Mr S K Bidgar	Soft Robotics- An Analysis on Trends and Technologies	2025	IJIRT, Volume 12 Issue 1, June 2025	ISSN: 2349-6002	UGC

#### 4.6 BOOK / ARTICLE PUBLICATIONS

Term One				
Author	Title of the Book	Published by	ISBN	Year
Dr N G Shekapure	Design Thinking and Idea	Study Max Publications	978-81-977409-1-6	2024

  

Term Two				
Author	Title of the Book	Published by	ISBN	Year
Dr A S Ubale	Architecture and Protocols for Data Transmission in VANET-17(Book Chapter)	Springer Nature	978-981-96-5190-0	June 2025
Dr A S Ubale	Case Studies and Real-World Deployment Examples of VANETs (Vehicular Ad-Hoc Networks) (Book Chapter)	Springer Nature	978-981-96-5190-0	June 2025



**4.7 RESEARCH CITATIONS (Source of Data: Google scholar) (As on 30<sup>th</sup> May)**

<b>Name of faculty</b>	<b>Citations, h-index, i10 index</b>	<b>Name of faculty</b>	<b>Citations, h-index, i10 index</b>
Dr N G Shekapure	13, 2, 1		
Mr M P Bauskar	20,2,1		
Dr A S Ubale	4, 1, 0		

**Total Citations of Department:****4.8 ME AWARDED (NA)**

<b>Sr No</b>	<b>Name of Supervisor</b>	<b>Title of Thesis</b>	<b>Name of Candidate</b>

**4.9 PhD GUIDE DETAILS (NA)**

<b>Name of Faculty who are PhD Supervisor</b>	<b>Number of Scholars Registered</b>

**4.10 PhD AWARDED (For departments having PhD research centers) (NA)**

<b>Sr No</b>	<b>Name of Supervisor</b>	<b>Title of Thesis</b>	<b>Name of Candidate</b>

# **5. INTERACTION WITH INDUSTRY**

## 5.1 INDUSTRY VISITS ORGANISED

Term One				
Sr No	Faculty Coordinator	Class and Number of students attended	Industry Name and Address	Date of visit
01	Dr N G Shekapure	BE Prod SW	Automation Expo 2024, Mumbai	24/08/2024
02	Mr Y R Chandwade	TE R&A	Automation Expo 2024, Mumbai	24/08/2024
03	Mr S S Kallurkar	SE R&A	Automation Expo 2024, Mumbai	24/08/2024
04	Mr S N Chiwande	TE R& A	Automation Expo 2024, Mumbai	24/08/2024
05	Mr S K Bidgar	SE R&A TE R&A BE Prod SW	Speciality Sintered Products Pvt. Ltd. Shirwal Pune	19/10/2024

Term Two				
Sr No	Faculty Coordinator	Class and Number of students attended	Industry Name and Address	Date of visit
1	Mr Y R Chandwade	SE R&A, TE R&A, TE Prod, BE Prod	Dipex 2025	5/4/2025
2	Mr S K Bidgar, M P Bauskar	TE R&A	Just Engineering, Pune	16/4/2025

## 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					

Term Two					
Sr No	Faculty Coordinator	Class (Number of students attended)	Name, Industry, designation and contact details of Expert	Topic	Date
1	Mr M L Chanpur	SE, TE Robotics and Automation and BE Mechanical	Mr Ashwin Ayinipully, Project and Process Engineer, Fleetguard Filters Pvt. Ltd., Pune	Expert talk on Career Guidance for Abroad Studies	23/01/2025
2	Dr N G Shekapure	SE, TE Robotics and Automation	Mr. Sanket Ashok Chaskar, Management Consultant, Holcon Services Pvt. Ltd	Future-Ready Engineers: Market Trends & Essential Skills for Success	31/01/2025
3	Dr N G Shekapure	SE, TE Robotics and Automation	Mr. Tapan Chitnis, Engineering Manager – Supply Chain Solutions, NFI Industries, Toronto, Canada	Optimizing Supply Chains with AI and Robotics: Trends and Innovations	13/02/2025

### 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	-	-	-

### 5.4 MOU SIGNED WITH INDUSTRY

Term One				
Sr No	Faculty Coordinator	Name of Industry	Date of MoU Signed	Valid upto (00/00/0000)
1	Dr N G Shekapure	HorizonFX, PCSIC, Auto Cluster, 'H' Block, Plot – C-181, M.I.D.C., Chinchwad – Pune-411018, Maharashtra, India.	16/10/2024	15/10/2029

Term Two				
Sr No	Faculty Coordinator	Name of Industry	Date of MoU Signed	Valid upto (00/00/0000)
1				

TOTAL FUNCTIONAL / LIVE MOU INITIATED BY THE DEPARTMENT				
Sr No	Faculty Coordinator	Name of Industry	Date of MoU Signed	Valid Upto
1	Mr V D Dholle	Pune Heat, Bhosari, Pune	16/04/2024	16/04/2029
2	Mr M A Kelkar	Topsonn Electrotek & Machinery Pune	22/11/2023	22/11/2028
3	Mr M P Bauskar	Mettechnik Pune	02/11/2023	02/11/2028
4	Mr Y R Chandwade	VISHWA CNC Technologies Pvt Ltd Pune	02/11/2023	02/11/2028
5	Mr S S Kallurkar	Yash Plastic & Engineering Works Pune	01/11/2023	01/11/2028
6	Dr N G Shekapure	Autofina Robotics Automation Pvt Ltd Pune	30/10/2023	30/10/2028
7	Mr S N Chiwande	B & R Industrial Automation Pune	01/03/2023	01/03/2028
8	Mr N G Shekapure	ELON POWER PVT LTD Pune	22/02/2022	22/02/2027
9	Mr S K Bidgar	UB Cryogenic Solution LPP Pune	04/03/2022	04/03/2027
10	Mr S N Chiwande	PMA, Pune	20/09/2021	20/09/2026
11	Mr M L Chanpur	Aarohi Industries, Pune	18/01/2021	18/01/2026
12	Ms Y K Funde	Univision Automation, Pune	08/01/2021	08/01/2026
13	Mr S N Chiwande	BYST, Pune	04/12/2020	04/12/2025
14	Dr N G Shekapure	HorizonFX, Pune	16/10/2024	15/10/2029

**5.5 FACULTY MEMBERS UNDERGONE INDUSTRIAL TRAINING**

Term One			
Sr No	Name of Faculty	Name of Industry	Dates and Duration
1	Nil		

Term Two			
Sr No	Name of Faculty	Name of Industry	Dates and Duration
1	Mr Mohan L Chanpur	Speciality Sintered Products Pvt Ltd, Shirwal	09/06/2025 – 20/06/2025 (2 Weeks)
2	Mr Sandip K Bidgar	Speciality Sintered Products Pvt Ltd, Shirwal	09/06/2025 – 20/06/2025 (2 Weeks)

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

Term One						
Sr No	Name of the Student	Name of the Industry	Class	Training duration		
				Start date	Last date	Duration (days)

2024-25 Term Two						
Sr. No.	Name of the Student	Name of the Industry	Class	Training duration		
				Start date	Last date	Duration (days)
1	Avani Anand Alurkar	SYNCAXIS Engineering And Integration	TE R&A	25-12-2024	25-01-2025	31
2	Siddhi Bahirat	Svr Robotics	TE R&A	23-12-2024	17-01-2025	25
3	Prathamesh Yuvraj Bodake	Automax Robotics	TE R&A	23-12-2024	23-01-2025	31
4	Swayam Chaudhari	Automax Robotics Pvt. Ltd.	TE R&A	08-11-2024	27-01-2025	80

5	Harshada Uday Daddikar	SVR ROBOTICS	TE R&A	23-12-2024	17-01-2025	25
6	Vaibhavi Darda	Syncaxis	TE R&A	25-12-2024	25-01-2025	31
7	Rohit Divekar	Syncaxis	TE R&A	25-12-2024	25-01-2025	31
8	Ragul Gaunder	SVR Robotics	TE R&A	23-12-2024	17-01-2025	25
9	Sakshi Siddheshwar Ghodke	SVR Robotics Pvt. Ltd.	TE R&A	23-12-2024	23-01-2025	31
10	PARTH KANATE	FOODVEZ PVT.LTD	TE R&A	25-12-2024	25-01-2025	31
11	Khushi Karde	Haosen automation company	TE R&A	24-12-24	25-01-25	32
12	Ayush Khonde	AUTOMAX ROBOTICS	TE R&A	11-12-2024	27-01-2025	47
13	Anjali Rahul Konde	PHN Technology	TE R&A	30-12-2024	30-01-2025	31
14	Diyan Kothari	Automax Robotics	TE R&A	23-12-2024	23-01-2025	31
15	Sumit Shivappa Kumbhar	Automax robotics pvt ltd	TE R&A	23-12-2024	23-01-2025	31
16	Mitesha Dange	Podium System Pvt Ltd	TE R&A	18-11-2024	24-01-2025	67
17	Sushrut Munje	Foodvez pvt ltd	TE R&A	25-12-2024	25-01-2025	31
18	Sarthak Pande	Foodvez pvt ltd	TE R&A	25-12-2024	25-01-2025	31
19	Falguni Pawar	PHN Technology	TE R&A	30-12-2024	30-01-2025	31
20	Pritish Mudaliar	Automax Robotics	TE R&A	23-12-2024	23-01-2025	31
21	sunidhi sakpal	SVR Robotics	TE R&A	23-12-2024	17-01-2025	25
22	VAISHNAVI SHARMA	BOLT IOT	TE R&A	27-12-2024	27-01-2025	31
23	Aryen Shitole	Matrix Robotics Pvt.Ltd	TE R&A	01-02-2025	28-02-2025	27
24	Vyankatesh Pandharpurkar	AUTOMAX ROBOTICS PVT LTD	TE R&A	08-11-2024	27-01-2025	80
25	Sarvesh Waghode	AUTOMAX PVT.LTD	TE R&A	08-11-2024	27-01-2025	80
26	Srushti Dipak Deshmukh	Cybernetik Technologies pvt ltd	TE R&A	23-12-2024	23-01-2025	31
27	Sanika Sanjay Dongare	Cybernetik technologies Pvt Ltd	TE R&A	23-12-2024	23-01-2025	31

28	Gaurav Kale	Robonist tech solutions Pvt Ltd	TE R&A	23-12-2024	23-12-2025	31
29	Chaitanya Santosh Kalshetti	Cybernetik Technologies Pvt.Ltd.	TE R&A	23-12-2024	23-01-2025	31
30	Masira Azim Kazi	Cybernetik Technologies Pvt Ltd	TE R&A	28-12-2024	28-01-2025	31
31	Aditya Ramnaresh Yadav	SVR ROBOTICS	TE R&A	23-12-2024	17-01-2025	25
32	Aarya Salunkhe	PHN Technologies	TE R&A	30-12-2024	30-01-2025	31
33	Sujay Subhash Ankalgi	Pune Heat	TE R&A	23-12-2024	17-1-20225	25

## 5.7 LIST OF INDUSTRIES SUPPORTED IN THE ORGANISATION 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
1	Mr M P Bauskar	Mr Sagar Mangrulkar Automax Robotics	Expert talk for One day

Term Two			
Sr No	Faculty Coordinators	Industry Representative and Name of Industry	Nature of Contribution
01	Mr M L Chanpur	Mr Praskash Salukhe, CadMech Engineering Pvt Ltd, Pune	Six months training to student

## 5.8 TRAINING TO INDUSTRY PERSONNEL/ ACTIVITY SUPPORTING TO INDUSTRY

Term One			
Sr No	Faculty Coordinator	Technical Area in which Training Provided / Type of Support	Industry Name

Term Two			
Sr No	Faculty Coordinator	Technical Area in which Training Provided / Type of Support	Industry Name



## 5.9 ANY OTHER ACTIVITIES TO PROMOTE INTERACTION WITH INDUSTRY

Term One			
Sr No	Faculty coordinator	Name of Activity	Remark
1	Dr N G Shekapure	Industry Institute Interaction Visit to Horizon Graphics	MOU signing, securing internships for students, knowledge and experience sharing.

Term Two			
Sr No	Faculty coordinator	Name of Activity	Remark
1	Dr A S Ubale	Industry Institute Interaction Visit to PHN Technology	MOU Enquiry, securing internships for students,

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

Term One					
Sr No	Name of student	Industry	Sr No	Name of student	Industry
01	ANUP SURESH MANE	Thermax Ltd, Bhosari	05	MANE YUVRAJ RAJKUMAR	Bekaert, Ranjangaon
02	BHISE SULAKSHAN PRAKASH	Mettechnik, Bhosari	06	MITALI PARAMANAND HURDALE	Vanaz, Kothrud
03	BHOSALE SHRADDHA SUNIL	Mettechnik, Bhosari	07	RIYANSHU DEEPAK RAWAL	Vanaz, Kothrud
04	DHUMAL BHUVAN SHEKHAR	Twin Engineers, Bhosari	08	HINGE TEJAS SANJAY	Mettechni k, Bhosari

Term Two					
Sr No	Name of student	Industry	Sr No	Name of student	Industry
01	Atiwadkar Parth Pandit	Sadhana NDT Services LPP	05	Kachi Aditya Girish	Vanaz Engineers Ltd, Kothrud
02	Bhagat Harshada Hari	Cummins India Ltd, Kothrud	06	Khadke Umesh Balasaheb	CADMECH Engineering Pvt Ltd, Narhe
03	Gadakh Abhishek Ashokrao	Twin Engineers, Bhosari	07	Navsupe Tejas Popat	Twin Engineers, Bhosari
04	Hande Vaishnavi Ganesh	L&T, Ahilyanagar	08	Kadam Aditya Uday	Star Engineers (I) Pvt. Ltd., Chinchwad



Industry Institute Interaction Visit to Horizon Graphics



Industry Institute Interaction Visit to PHN Technology





**Visit to Bekaert Industries, Ranjangaon for IIT student activity.**



**Visit to Pune Heat, Bhosari for TE internship student activity.**



**Visit to Syncaxis, Bhosari for TE internship student activity.**

# **6. STUDENTS' ACHIEVEMENTS**

**6.1 STUDENTS' ACHIEVEMENT (Professional) (Individual Level) (Technical activities such as design competitions, paper presentations, technical quizzes, Product development, innovation, 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)

**6.2 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)
Krishna Gadewar and Ganesh Pal	<b>AISSMS College of Engineering's Triumphant Run at Techkriti 2025, IIT Kanpur: A Deep Dive into Innovation, Collaboration, and Engineering Excellence (Student Krishna Gadewar and Ganesh Pal) - Winners of the event. AISSMS College of Engineering students, in collaboration with Team Xenon and Quantumcube, achieved significant success at Techkriti 2025.</b>	<b>First Prize</b>

**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	-	-	-	-

Term Two				
S N	Name of Student	Title of the Course	Conducted By	Duration/ Dates
1	Gangasagar Ransarje	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)

2	Ayush Jagadale	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
3	Sharva Zagade	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
4	Sakshi Surwase	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
5	Anjali Thorat	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
6	Tanishka Vatare	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
7	Manthan Songirkar	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
8	Shrinivas Bhoite	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
9	Mansvi Kamble	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
10	Saad Syed	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
11	Vaishnavi Rajurkar	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
12	Shreya Shashtrima	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
13	Shrikant Phonde	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
14	Sahil Patil	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
15	Shruti Chavan	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
16	Dhanashri Borkar	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
17	Aditya Bundhe	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
18	Mehul Mahajan	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
19	Yashasvini Ghodke	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
20	Arya Barge	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
21	Bhargavi Newale	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
22	Payal Ghule	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
23	Mrunmayee Bhogle	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)

24	Akshat Mehata	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
25	Krishna Gadewar	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
26	Diya Jadhav	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)
27	Archit Biniwale	Innovation by Design	(IIT Bombay) NPTEL	Jan-Feb 2025(4Weeks)

#### 6.4 NUMBER OF STUDENTS PLACED

Term One			
Sr No	Name of Student Placed	Name of Organization	Package
1	First Batch will Passout in 2025-26		
2			

Lower Package Offered: Lakhs

Higher package Offered: Lakhs

Average Package Offered: Lakhs

#### 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
	First Batch will Pass out in 2025-26		

#### 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)
	NIL	

Term Two		
Name of Student	Details of Achievement (State/University/ National/International Level)	Remark (Domain)
Mr Akshat Mehta	Participated in Physical Round (Phase 3 ) of BAJA SAEINDIA 2024 - mBAJA event, organised by SAEINDIA from 09/01/2025 to 12/01/2025 at NATRAX facility in Pritampur, Madhya Pradesh.	

## 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)

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



AISSMS College of Engineering's Triumphant Run at Techkriti 2025, IIT Kanpur: A Deep Dive into Innovation, Collaboration, and Engineering Excellence (Student Krishna Gadewar and Ganesh Pal) - Winners of the event. AISSMS College of Engineering students, in collaboration with Team Xenon and Quantumcube, achieved significant success at Techkriti 2025.



# **7. SUMMARY AND SWOC ANALYSIS**

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

Sr No	Details
	<b>Nil</b>

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

FACULTY	ACTIVITY
	<b>Nil</b>

**7.3 FEEDBACK FROM STAKEHOLDERS**

Sr No	Stake holder	Number of Feedbacks Received	Overall Feedback
1	Alumni	2 out of 7	All POs are satisfied
2	Parents	2 out of 7	All POs are satisfied
3	Employers	2 out of 7	All POs are satisfied
4	Students	2 out of 7	All POs are satisfied

**7.4 TWO BEST PRACTICES FOLLOWED IN THE DEPARTMENT**

**Developing Teaching-Learning Materials:** The department prioritizes the development of high-quality teaching-learning materials. This includes creating comprehensive course materials, presentations, and digital resources that are accessible to students. By investing in well-structured and up-to-date educational materials, the department enhances the teaching process, making it more engaging and effective for both faculty and students. Regularly updating these materials to align with the latest developments in the field ensures that students receive the most relevant and valuable education.

**Industry-Embedded Projects and Internships:** To establish and maintain strong connections with industry, the department encourages students to engage in industry-embedded projects and internships. These experiences provide students with practical exposure to real-world challenges and solutions, allowing them to apply their academic knowledge in a professional context. By collaborating with industry partners, the department ensures that its curriculum remains industry-relevant and that students are well-prepared for future employment. These connections often lead to better placement opportunities for students and foster ongoing collaboration between the department and industry stakeholders.

## 7.5 MAJOR GRIEVANCES OF STUDENTS (IF ANY) REDRESSED

Nil
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## 7.6 SWOC ANALYSIS

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

### Strengths:

1	<b>Liasoning With Industries</b>
2	<b>Industry Exposure</b>
3	<b>Experienced Faculty &amp; Good Retention Ratio</b>
4	<b>Specialized Facilities</b>
5	<b>Strong Alumni Network</b>

### Weaknesses:

1	<b>Less Number of PhD Faculty</b>
2	<b>Limited Consultancy and Research Grants</b>
3	<b>Few R&amp;D Funded Projects</b>
4	<b>Outdated Infrastructure</b>
5	<b>Limited Publication Output</b>

### Opportunities:

1	<b>Utilization of Industrial Laboratories</b>
2	<b>Partnerships Through MoUs</b>
3	<b>Faculty Qualification and Up-Gradation</b>
4	<b>Diversify Research Funding</b>
5	<b>Online and Hybrid Education</b>

### Challenges

1	<b>Placement in Core Companies</b>
2	<b>Improving Patents and Copyrights</b>
3	<b>Attracting Students for New Programs</b>
4	<b>Balancing Research and Teaching</b>
5	<b>Financial Sustainability</b>

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

1	<b>Enhance PhD Faculty Enrollment:</b> The department aims to enroll a maximum number of faculty members for PhD programs to bolster research and academic excellence.
2	<b>Strengthen Industry Connections for Placement:</b> The department will intensify efforts to strengthen its industry connections, facilitating increased placement opportunities for students.
3	<b>Expand Robotics and Automation Lab:</b> There are plans to develop and expand the Robotics and Automation Lab, providing cutting-edge resources for research and hands-on learning in this rapidly evolving field.
4	<b>Implement Smart Classrooms:</b> The department will implement smart classrooms to enhance the effectiveness of the teaching and learning process, leveraging technology for a more interactive and engaging educational experience.

## 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	<ul style="list-style-type: none"><li>● To prepare course manual according to Blooms Taxonomy.</li><li>● To participate students' projects in National Design Research Forum competition, paper presentation, BAJA, SUPRA, EFFICYCLE and GARUDSHWA competitions.</li><li>● Students are motivated to participate various sports and cultural activities.</li></ul>
Organization of different activities	<ul style="list-style-type: none"><li>● Alumni Interactive sessions for the students</li></ul>
Research and Innovation	<ul style="list-style-type: none"><li>● Faculty members are provided with financial assistance and research grants to conduct research.</li><li>● As part of a commitment to fostering academic excellence, the department is actively promoting faculty development through doctoral programs. Currently, four dedicated faculty members are pursuing their PhDs in their respective fields.</li></ul>
Industry institute Interaction	<ul style="list-style-type: none"><li>● Faculties are establishing contact with Industries, arranging guest lecture and students' projects with industry. Students' internship in Industry, industry visit and participation on advisory board.</li></ul>
Students' Achievements	<ul style="list-style-type: none"><li>● Students are motivated to participate in various sports and cultural activities and for competitive examination.</li></ul>

### SUMMARY SHEET (Annual)

		Activity		
S N	Activity/ Item	Term I	Term II	Total
		Numbers		
1	Students in the department			
<b>FACULTY CONTRIBUTION</b>				
2	e content development by faculty and available online	6	1	7
3	Number of FDP/STTP attended by the department faculty	15	13	28
4	Number of Seminars/ workshops/ webinars attended by the department faculty	4	4	8
5	Number of Conferences/ symposiums attended by the department faculty	2	3	5
6	Number of Online courses / certificate courses completed by department faculty	6	3	9
7	Number of extension lectures / webinars (Lectures delivered on other than technical topics))	0	3	3
8	Number of Faculty served as resource person, expert, chairperson	3	2	5
<b>ACTIVITIES ORGANISED</b>				
9	Number of FDP/STTP organized by the department	-	-	-
10	Number of Seminars/ workshops/ webinars organized by the department (for faculty)	1	2	3
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)	5	1	6
13	MOU signed with academic and professional organizations	1	-	1
14	Number of Students' chapters /clubs	2	-	2
15	Number of Social activities organized	1	-	1
16	Number of Parent meeting	-	1	1
17	Number of Alumni meet	-	-	-

18	Number of student counseling and career guidance at the department level	0	2	2
<b>RESEARCH CONTRIBUTION</b>				
19	Number of Funded research project	-	-	-
20	Number of Testing and consultancy	-	-	-
21	Number of Patents, copyright, trademark and other (IPR)	2	1	3
22	Number of papers published/ presented in proceedings of conferences	2	3	5
23	Number of Papers published in journals	2	2	4
24	Number of Book/ article publications	1	2	3
25	Total Research citations (Google Scholar)	37	-	37
26	Number of ME awarded	NA	NA	NA
27	Number of PhD Awarded	-	-	-
<b>INTERACTION WITH INDUSTRY</b>				
28	Number of Industrial visits organized	5	2	7
29	Number of Expert lectures delivered by industry experts	-	3	3
30	Number of Industry –sponsored projects (UG/PG)	-	-	-
31	Number of MOU signed with industry	1	-	1
32	Number of Faculty members undergone industrial training	-	2	2
33	Number of Students undergone in-plant training and (or) internship programme	-	33	33
34	Number of students placed	NA	NA	NA
35	Number of students qualified in the competitive examinations	NA	NA	NA
36	Any other additional activities organized	NA	NA	NA

### **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

**Name and Signature  
Head of Department**