



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय



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Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC
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Accredited by NAAC with "A+" Grade | NBA - 7 UG Programmes

Internal Quality Assurance Cell
DEPARTMENT OF ROBOTICS & AUTOMATION /
PRODUCTION 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 separate row for every details.*
- ❖ *For any queries, you may contact: Dr C S Choudhari, Coordinator, IQAC*
- ❖ *email: iqac@aisssmscoe.com*

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1. PROFILE OF DEPARTMENT

VISION OF DEPARTMENT

MISSION STATEMENTS OF DEPARTMENT

1.1 INTRODUCTION

Year of Establishment	1994
UG Programmes	Production Engineering (Sandwich)/ Robotics and Automation Engineering
PG Programmes	NA
Number of Teaching Staff	09
Number of Non-Teaching Staff	13 (Production + Workshop)

1.2 LABORATORIES IN THE DEPARTMENT

Name of Laboratory		Name of Laboratory	
1	CAD/CAM Laboratory	5	NonTraditional Machine Laboratory
2	Robot & Automation Laboratory	6	Advanced Production Technology
3	Production Management Laboratory	7	Department Central Facility
4	Tool Engineering 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.	5	ANSYS Academic Teaching + CFD Version 16.2 for (25 user)
2	Computer Software Autodesk Inventor Professional Edu. License (03)	6	JASP- Version 2 (Janatics Animation Software & Pneumatics) (01)
3	Solid Edge Bundle (Drafting Solid Modeling and Sheet Metal) for 25 user	7	Systat Statistical Software -Version 12 (01)

4	Unigraphics 8.0 Cam Express (Simulation, Modeling, Tool Path Generation) 20 user		
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1.4 FACULTY IN THE DEPARTMENT

Name of faculty	Designation
Dr N G Shekapure	Head & Assistant Professor
Mr V D Dholle	Workshop Superintendent
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
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 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 (2023-24)

Program	GEN		SC		ST		OBC		PWD		Others		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
UG (Prod/Sw)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UG(R & A)	12	7	1	3	1	-	2	2	-	-	4	3	20	15

1.7 STUDENTS–FACULTY FEEDBACK DETAILS

Term One					
Sr. No.	Name of faculty	Class and Subject taught	Feedback (I) (%)	Feedback (II) (%)	Average Feedback (%)
1	Mr V Dholle	Operation Research (BE PSW)	77	84	80.5
2	Mr M A Kelkar	Manufacturing Processes I	89	89	89
3	Mr M A Kelkar	Manufacturing Technology SE (R & A)	88	88	88
4	Mr M P Bauskar	Manufacturing Automation BE Prod sw	78	79	78.5
4	Mr S N Chiwande	Industrial Robotics	66	73	69.5
6	Mr M L Chanpur	211082/Strength of Materials (PSW)	76	80	78
7	Mr M L Chanpur	211086/Strength of Materials Lab (PSW)	77	78	78
8	Mr M L Chanpur	211082/Strength of Materials (R&A)	69	78	74
9	Mr M L Chanpur	211086/Strength of Materials Lab (R&A)	75	78	77
10	Mr S S Kallurkar	C Programming Lab	81	75	78
11	Mr S S Kallurkar	SE Prod Heat and Fluid Engineering	69	80	75
12	Mr S K Bidgar	Material Science &	73	82	77.5

		Metallurgy (SE Prod)			
13	Mr S K Bidgar	Material Science & Engineering Metallurgy (SE R&A)	70	73	72
14	Mr Y R Chandwade	Machine Drawing and computer Graphics	76	89	82.5
15		Mini Project	86	86	86
16	Dr N G Shekapure	Creative Product Design (BE Prod)	91	92	91.5
17	Dr N G Shekapure	Industrial & Technology Management (TE Electrical)	93	93	93

Term Two					
Sr No	Name of faculty	Class and Subject taught	Feedback (I) (%)	Feedback (II) (%)	Average Feedback (%)
1	Mr V Dholle	Kinematics & Design of Machines	95	96	95.5
2	Mr M A Kelkar	Metrology & Quality Control TE (Prod sw)	88	88	88
3	Mr M A Kelkar	Metrology & Quality Assurance SE (R & A)	82	82	82
4	Mr M P Bauskar	IEM SE R&A, Prod SW	77	81	79
5	Mr S N Chiwande	Theory of Machine	89	82	86
6	Mr M L Chanpur	SE/Design of Machine Elements	82	85	83.5

7	Mr M L Chanpur	SE/Design of Machine Elements	74	60	67
8	Mr M L Chanpur	SE/ Design of Machine Elements Lab	82	84	83
9	Mr M L Chanpur	SE/Project Based Learning	84	82	83
10	Mr S S Kallurkar	SE/ Computer Graphics for Robotics	72	77	74
11	Mr S S Kallurkar	TE Prod SW/ Statistics and Numerical Optimization Methods	94	97	95
12	Mr S K Bidgar	Manufacturing Process – II (SE Prod)	86	90	88
13	Mr Y R Chandwade	Material forming and mould design	98	98	98
14	Mr Y R Chandwade	Soft Skills	91	95	93
15		Project Based Learning	90	91	90.5

1.8 RESULT ANALYSIS (OCT 23) 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)	95.5	Mr S N Chiwande	BE(IR-TH)	63.6
Mr V D Dholle	BE(OR-TH)	95.5	Dr N G Shekapure	BE(CPD-TH)	100
All Faculty Members	TE(IIT-TW)	100	All Faculty Members	TE(Seminar-OR)	100
All Faculty Members	TE(IIT-OR)	100	All Faculty Members	TE(MT-TH)	100
All Faculty Members	TE(Seminar-TW)	100	All Faculty Members	TE(MT-TW)	100
Dr M Gauratra	SE (EM III-TH)	0	Mr M A Kelkar	SE (MP I-TH)	67

Mr S S Kallurkar	SE(H&FE-TH)	56	Mr S K Bidgar	SE(MS&M-TH)	78
Mr M L Chanpur	SE(SOM-TH)	22			

(OCT 23) ROBOTIC AND AUTOMATION

Term One					
Name of faculty	Class and Subject Taught	% passing	Name of faculty	Class and Subject Taught	% passing
Dr M Gauratra	SE (EM III-TH)	84.8	Mr M A Kelkar	SE (MT-TH)	100
Mr M L Chanpur	SE (SOM-TH)	52	Mr S K Bidgar	SE (MSME-TH)	100
Mr Rajesh Wani	SE (IEE-TH)	97			

MAY 24 (PRODUCTION SW)

Term Two					
Name of faculty	Class and Subject Taught	% passing	Name of faculty	Class and Subject Taught	% passing
All Faculty Members	BE IIT (TW)	100	All Faculty Members	BE Project (OR)	100
All Faculty Members	BE IIT (OR)	100	Mr S S Kallurkar	BE SCM (PP)	100
All Faculty Members	BE Project (TW)	100			
Mr V D Dholle	TE KDM (TH)	70	Mr M A Kelkar	TE MQC (TH)	70
Mr S S Kallurkar	TE S&NOM (TH)	80	Mr S S Kallurkar	TE WCM (TH)	90
Mr Y R Chandwade	TE MFMD (TH)	50			
Mr S M Chaudhari	SE EEE (TH)	44	Mr S K Bidgar	SE MP II (TH)	77.8
Mr S N Chiwande	SE TOM (TH)	44	Mr M P Bauskar	SE IEM (TH)	89
Mr M L Chanpur	SE DME (TH)	33.33			

(MAY 24) ROBOTIC AND AUTOMATION

Term One					
Name of faculty	Class and Subject Taught	% passing	Name of faculty	Class and Subject Taught	% passing
Mr M P Bauskar	SE IEM (TH)	100	Mr M A Kelkar	SE MQA (TH)	100
Mr Rajesh Wani	SE CSE (TH)	93.9	Mr S S Kallurkar	SE CGR (TH)	97
Mr M L Chanpur	SE DME (TH)	81.8			

1.9 CLASS RESULT ANALYSIS (All Classes FE to BE)

Term One (OCT 23)												
S N	Class	Number of Students = 74									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	All Clear	With ATKT
1	SE(PSW)	9	—	—	—	—	—	—	—	—	—	100
1	SE(R&A)	33	16	3	7	6	—	—	—	—	48.48	100
2	TE(PSW)	10	10	10	—	—	—	—	—	—	100	—
3	BE(PSW)	22	14	—	3	8	3	—	—	—	63.63	100

Term Two (MAY 24)												
S N	Class	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	All Clear	With ATKT
1	SE(PSW)	9	—	—	—	—	—	—	—	1	—	88.9
1	SE(R&A)	33	26	5	10	10	—	—	1	—	78.8	100
2	TE(PSW)	10	4	—	4	—	—	—	—	—	40	100
3	BE(PSW)	25	21	13	8	—	—	—	—	4	84	—

Term Two Final Result for BE Classes (Based on CGPA) (MAY 24)													
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	All Clear		With ATKT
1	BE	25	21	13	8	-	-	-	-	-	4	84	-

1.10 UNIVERSITY RANKERS (Consider last five academic years)

Academic Year 2023 - 24 (Oct 23) Academic Term I (SE R&A)			
Sr No	Name of the Ranker	Class	Rank
1	DIVEKAR ROHIT SANTOSH	SE	1
2	ALURKAR AVANI ANAND	SE	2
3	KANATE PARTH WASUDEO	SE	2
4	DARDA VAIBHAVI SANDEEP	SE	3
5	KALSHETTI CHAITANYA SANTOSH	SE	4

Academic Year 2023 - 24 (Oct 23) Academic Term I (Production SW)			
Sr No	Name of the Ranker	Class	Rank
1	NIL	SE	NIL
1	UMESH BALASAHEB KHADKE	TE	1
2	GADAKH ABHISHEK ASHOKRAO	TE	2
3	ATIWADKAR PARTH PANDIT	TE	3
4	CHOBHE SHRIRAM NAMDEV	TE	3
5	HANDE VAISHNAVI GANESH	TE	3
1	GHAROTE SAISHNU SANJAY	BE	1
2	PATIL ADITYA KAILAS	BE	2
3	PARNERKAR ATHARVA UMESH	BE	3
4	DESHMUKH SATYAJEET GOPALKRUSHNA	BE	4
5	MANDHARE ATHARVA RAVINDRA	BE	5

Academic Year 2023 - 24 (MAY 24) Academic Term II (R&A)			
Sr No	Name of the Ranker	Class	Rank
1	DARDA VAIBHAVI SANDEEP	SE	1
2	DONGARE SANIKA SANJAY	SE	2
3	KALSHETTI CHAITANYA SANTOSH	SE	3
4	DIVEKAR ROHIT SANTOSH	SE	4
5	ALURKAR AVANI ANAND	SE	5

Academic Year 2023 - 24 (MAY 24) Academic Term II (PSW)			
Sr No	Name of the Ranker	Class	Rank
1	NIL	SE	NIL
1	ATIWADKAR PARTH PANDIT	TE	1
2	BHAGAT HARSHADA H	TE	2
3	NAVSUPE TEJAS P	TE	3
4	GADAKH ABHISHEK A	TE	4
1	GHAROTE SAISNU SANJAY	BE	1
2	PATIL ADITYA KAILAS	BE	2
3	PARNERKAR ATHARVA	BE	3
4	MANDHARE ATHARVA RAVINDRA	BE	4
5	THAKUR EKTA S	BE	5



2. FACULTY CONTRIBUTION

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

Term One		
SN	Name of Faculty	Awards & Recognitions
		Nil

Term Two		
SN	Name of Faculty	Awards & Recognition
01	Y R Chandwade	Topper in NPTEL exam on the course “Manufacturing Process Technology I & II”
02	Y R Chandwade	Topper in NPTEL exam on the course “Mechanical Behaviour of Materials (Part-I)”

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		

Term Two		
SN	Name of Faculty	Nature and details of contribution (Representation at University, State, National, International level, corporate world, Social Platforms, etc)

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 Book	Google platform	https://shorturl.at/TMcxD
2	Mr M P Bauskar	Calibration of Pressure Gauge by Dead weight	You Tube	https://youtube/EGRim62TTxU?si=5v0P7gAMB5n3fNDf

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	E-Book on IEM	On Web, Google Drive	https://shorturl.at/Gtgsj https://shorturl.at/jFvHR

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	Mr V D Dholle	Fundamentals of Additive Manufacturing Technologies	IIT Guwahati	12 Weeks
2	Mr M P Bauskar	Recent Advances in Mechanical Engineering	Dr D Y Patil Institute of Technology, Pimpri, Pune	24-28 July 2023(1week)
3	Mr M P Bauskar	From Research to Publication	Adhiyaman Arts & Science College for Women	04-09 September 2023 (1week)
4	Mr S N Chiwande	Completed NPTEL FDP & MOOC Course certification (Elite) on Design Technology & Innovation duration	IIT, Bombay	(08 Week)
5	Mr M L Chanpur	Innovative Teaching Methodology- A creative Pedagogy	D Y Patil College of Engineering, Akurdi	31/07/2023 - 04/08/2023 (1week)
6	Mr M L Chanpur	Advances and Application of Artificial Intelligence and Machine Learning	SKN College of Engineering, Vadgaon	04/09/2023 - 08/09/2023 (1week)
7	Dr N G Shekapure	Short-Term Training Programme on Indian Knowledge Systems	University Grants Commission (UGC)	31/07/2023 - 05/08/2023 (1 Week)

Term Two				
S N	Name of Faculty	Title of the FDP/STTP	Organized by	Duration/ Dates

1	Mr Y R Chandwade	Completed NPTEL Course on “Manufacturing Process Technology - I&II”	IIT Kanpur	12 weeks
2	Mr Y R Chandwade	Completed NPTEL Course on “Mechanical Behaviour Materials (Part-I)”	IIT Kanpur	12 weeks
3	Mr M L Chanpur	“INDUSTRY 40/50”	Prasad V Potluri Siddhartha Institute of Technology, Vijayawada	02 weeks
4	Mr V D Dholle	Theory and Practice of Non Destructive Testing	IIT Madras	8 Weeks
5	Mr S K Bidgar	National Level 5-Days Workshop (Online) on “Application Of Multi Criteria Decision Making Methods”	PCCOER, Ravet, Pune	01 weeks

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	Mr S S Kallurkar	A one-week workshop on industrial robotics	Autofina Robotics, Chakan Pune	26/12/2023 to 31/12/2023
2	Mr S N Chiwande	A one-week workshop on industrial robotics	Autofina Robotics, Chakan Pune	26/12/2023 to 31/12/2023
3	Mr Y R Chadwade	A one-week workshop on industrial robotics	Autofina Robotics, Chakan Pune	26/12/2023 to 31/12/2023
4	Mr S K Bidgar	A one-week workshop on industrial robotics	Autofina Robotics, Chakan Pune	26/12/2023 to 31/12/2023
5	Mr M P Bauskar	A one-week workshop on industrial robotics	Autofina Robotics, Chakan Pune	26/12/2023 to 31/12/2023
6	Dr N G Shekapure	A one-week workshop on industrial robotics	Autofina Robotics, Chakan Pune	26/12/2023 to 31/12/2023

Term Two				
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S N	Name of Faculty	Title of the Seminar/Webinar	Organized By	Duration/ Dates

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

Term Two				
S N	Name of Faculty	Title of the Conference / Symposium	Organized By	Duration/ Dates

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	Matlab Onramp Training	MathWorks	Self-Paced
2	Mr V D Dholle	Fundamentals of Additive Manufacturing Technology	IIT Guwahati	12 Weeks Jul-Oct 2023

Term Two				
S N	Name of Faculty	Title of the Course	Conducted By	Duration/ Dates
1	Mr Y R Chandwade	Completed NPTEL Course on “Manufacturing Process Technology - I&II”	IIT Kanpur	12 week
2	Mr Y R Chandwade	Completed NPTEL Course on “ Mechanical Behaviour Materials (Part-I)”	IIT Kanpur	12 week
3	Mr V D Dholle	Theory and Practice of Non Destructive Testing	IIT Madras	8 week Jan-Mar 2024
4	Mr M P Bauskar	Business Fundamentals for Entrepreneurs	IIT Madras	4 week Feb-March 2024

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 beneficiarie s
1	Dr N G Shekapure	Product Design and Development	Ms Adrija Dey Skoda Auto Volkswagen India Pvt Ltd, Mumbai	19/07/2023	63

Term Two					
S N	Name of faculty coordinator	Topic	Name and contact details of guest	Date	Number of beneficiarie s
1	Mr M L Chanpur	Expert Talk on Carrer Counselling	Mr Roshan Shinde	05/04/2024	43
2	Mr S N Chiwande	Mentor Awareness Program	BYST Team	21/03/2024 to	BYST Team

2.9 FACULTY SERVED AS RESOURCE PERSON, EXPERT, CHAIRPERSON

Term One				
S N	Name of Faculty	Title of Activity	Organizing body	Date
1	SNC	FE Induction		

Term Two				
S N	Name of Faculty	Title of Activity	Organizing body	Date



Expert Lecture on “Product Design and Development”
by Ms Adrija Dey, Manager, Skoda Auto Volkswagen India Pvt Ltd, Mumbai

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 Participa nts	Funding Agency (If any) and Amount (Rs)
1	Mr S N Chiwande	Expert talk on “Industrial Robot Sensors” BE Prod s/w and R&A Engineering student	03/11/20 23	42	
2	Dr N G Shekapure	Expert Talk on “Product Design and Development”	19/07/20 23	58	

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	Mr S N Chiwande	Mentor Awareness Program	21/03/2024 to 22/03/2024	42	

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 beneficiarie s
01	Mr M L Chanpur	Fort Cleanliness Drive	06/11/2023	Society

Term Two				
S N	Name of Faculty Coordinator	Details of activity conducted	Date	Number of beneficiarie s
01	Mr M L Chanpur	Project Competition	05/04/2024	36

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	Mr M A Kelkar	TOPSONN ELECTROTEK & MACHINERY PUNE	22-11-2023	22-11-2028
2	Mr M P Bauskar	METTECHNIK Pune	02-11-2023	2-11-2028

3	Mr Y R Chandwade	VISHWA CNC Technologies Pvt Ltd Pune	02-11-2023	2-11-2028
4	Mr S S Kallurkar	Yash Plastic & Engineering Works Pune	01-11-2023	2-11-2028

Term Two				
Sr No	Faculty Coordinator	Name of Organisation	Date of MoU Signed	Valid upto 00/00/0000
1	Mr V D Dholle	Pune Heat, MIDC Bhosari, Pune	16/04/2024	15/04/2029

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

3.6 STUDENTS' CHAPTERS /CLUBS

Sr No	Name of Students' Chapter	Number of Student Members
1	Standard Club	20
2	The Robotic Society of India, Pune Chapter	17

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

Term One			
Faculty coordinator	Name of Activity	Date, Duration	Number of students involved
Mr M L Chanpur	Fort Cleanliness Drive	06/11/2023	33

Term Two			
Faculty coordinator	Name of Activity	Date, Duration	Number of students involved
Mr S S Kallurkar & Mr M A Kelkar	NSS ACTIVITY	January 2024, 10 days	4

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 Vinod Bachkar	Manager, Mahindra Defence		Placement of BE students for 6 months of training	03/01/2024

2	Ms Adrija Dey	Manager, Skoda Auto Volkswagen India Pvt Ltd, Mumbai	2013-14	Expert Talk on “Product Design and Development”	19/07/2023
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Term Two					
Sr No	Name of Alumni	Position and Organisation	Batch (eg 2014 – 2018)	Details of Support	Date
02	Mr Vinod Bachkar	Mahindra Defence, Chakan		Opportunity for students in 6 months Industrial Inplant Training	2023 - 2024 Semester II

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	Ms Adrija Dey and Dr N G Shekapure	Opportunities in Automobile Sector	19/07/2023	58

Term Two				
S N	Name of Alumni and Activity coordinator	Details of Activity conducted	Date and duration	Total Number of beneficiaries
1	Mr Roshan Shinde and Mr M L Chanpur	Expert Talk on Carrer Counselling	05/04/2024	43

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
S S Kallurkar	Soft skill Training for SE R& A



Alumni Interaction - Mr Ganesh Sarak at Size Master, Hadapsar



Project Competition - Mr Roshan Shinde of Trust Well Engineers Pvt Ltd as Judge



Alumni Interaction - Mr Vinod Bachkar at Mahindra Defence, Chakan



Alumni Interaction - Mr Sudarshan Palve at Speciality Sintered, Shirwal



Alumni Interaction - Ms Adrija Manager, Skoda Auto Volkswagen India Pvt Ltd, Mumbai



Industry Visit at Pune Heat Treat



Industry Visit at Pune Heat Treat

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 N G Shekapure	Robotic Arm – W-R&A's Team	25000/-	Jadhav Steels Pvt Ltd

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

FUNDING RECEIVED FOR ANY OTHER ACTIVITY

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

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

4.2 TESTING AND CONSULTANCY

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

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

	NIL		
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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	Mr M L Chanpur	A Study of Technical and Economical Feasibility on Cryogenic Treated Plug Gauge Made of Ohns Material	L-134920/2023	National

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

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	16/09/2022	20/10/2023

		on Cryogenic Treated Plug Gauge Made of Ohns Material		
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PUBLICATIONS

4.4 PAPERS PUBLISHED/ PRESENTED IN PROCEEDINGS OF CONFERENCES

Term One						
S No	Authors	Document Details	Year	Conference Details	ISBN	Organized by

Term Two						
S No	Authors	Document Details	Year	Conference Details	ISBN	Organized by

4.5 PAPERS PUBLISHED IN JOURNALS

Term One						
S No	Authors	Document Details	Year	Source Details	ISBN/ISSN	Publisher
1	Dr N G Shekapure	Data analytics for finding emerging entrepreneur's success factors	2023	Journal of Autonomous Intelligence Volume 7 Issue 2	2630-5046	Journal of Autonomous Intelligence

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

4.6 BOOK / ARTICLE PUBLICATIONS

Term One				
Author	Title of the Book	Published by	ISBN	Year

Term Two				
Author	Title of the Book	Published by	ISBN	Year

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 N G Shekapure	6, 1, 0		
M P Bauskar	19,2,1		

Total Citations of Department:

4.8 ME AWARDED

Sr No	Name of Supervisor	Title of Thesis	Name of Candidate

4.9 PhD GUIDE DETAILS

Name of Faculty who are PhD Supervisor	Number of Scholars Registered

4.10 PhD AWARDED (For departments having PhD research centers)

Sr No	Name of Supervisor	Title of Thesis	Name of Candidate

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
1	Mr M A Kelkar	SE R & A (30), SE PSW (4)	Vanaz Engineers Pvt Ltd, Kothrud , Pune	06/09/2023 & 08/09/2023

Term Two				
Sr No	Faculty Coordinator	Class and Number of students attended	Industry Name and Address	Date of visit
1	Mr V D Dholle	TE Prod SW (06)	Pune Heat, MIDC Bhosari, Pune	16/04/2024
2	Mr M P Bauskar	SE Prod SW (07)	Pune Heat, MIDC Bhosari, Pune	16/04/2024
3	Mr M A Kelkar	SE R & A (23) SE PSW (05)	Jaws Manufacturing Company, Hadapsar Industrial Area, Pune	10/04/2024
4	Mr S K Bidgar	SE R & A (30) SE PSW (06)	Specialty Sintered Pvt Ltd Shirwal, Pune	01/12/2023
5	Mr S S Kallurkar	SE R & A (25)	Pune Heat, MIDC Bhosari, Pune	16/04/2024

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 N G Shekapure	BE PSW & SE R & A	Ms Adrija Dey, Manager, Skoda Auto Volkswagen India Pvt Ltd, Mumbai	Expert Talk on "Product Design and Development"	19/07/2023

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	Mr Roshan Shinde, Trust Well India Engineers Pvt Ltd	Expert Talk on Career Counseling	05/04/2024

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 N G Shekapure	Robotic Arm – W-R&A’s Team	Jadhav Steel Pvt Ltd

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	Mr M A Kelkar	TOPSONN ELECTROTEK & MACHINERY PUNE	22-11-2023	22-11-2028
2	Mr M P Bauskar	METTECHNIK Pune	02-11-2023	2-11-2028
3	Mr Y R Chandwade	VISHWA CNC Technologies Pvt Ltd Pune	02-11-2023	2-11-2028
4	Mr S S Kallurkar	Yash Plastic & Engineering Works Pune	01-11-2023	2-11-2028

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

1	Mr Veejhay Dholle	Pune Heat, MIDC Bhosari, Pune	16/04/2024	15/04/2029
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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	16-4-2029
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

5.5 FACULTY MEMBERS UNDERGONE INDUSTRIAL TRAINING

Term One			
Sr No	Name of Faculty	Name of Industry	Dates and Duration
1	Dr N G Shekapure	Autofina Robotics Pvt Ltd	16/12/2023 to 30/12/2023 (15 Days)
2	Mr S S Kallurkar	Autofina Robotics Pvt Ltd	16/12/2023 to 30/12/2023 (15 Days)
3	Mr S N Chiwande	Autofina Robotics Pvt Ltd	16/12/2023 to 30/12/2023 (15 Days)
4	Mr Y R Chadwade	Autofina Robotics Pvt Ltd	16/12/2023 to 30/12/2023 (15 Days)
5	Mr S K Bidgar	Autofina Robotics Pvt Ltd	16/12/2023 to 30/12/2023 (15 Days)
6	Mr M P Bauskar	Autofina Robotics Pvt Ltd	16/12/2023 to 30/12/2023 (15 Days)

Term Two			
Sr No	Name of Faculty	Name of Industry	Dates and Duration
1	Mr V D Dholle	Yash Plastics & Engineering Works MIDC Chinchwad,Pune	01/06/24 To 08/06/24 (One Week)

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)

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

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

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 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 Mr M L Chanpur Mr M P Bauskar	Faculty visit to SVR InfoTech, Ambegaon Budruk, Pune	Regarding students Internship and Project Activity

Term Two			
Sr No	Faculty coordinator	Name of Activity	Remark

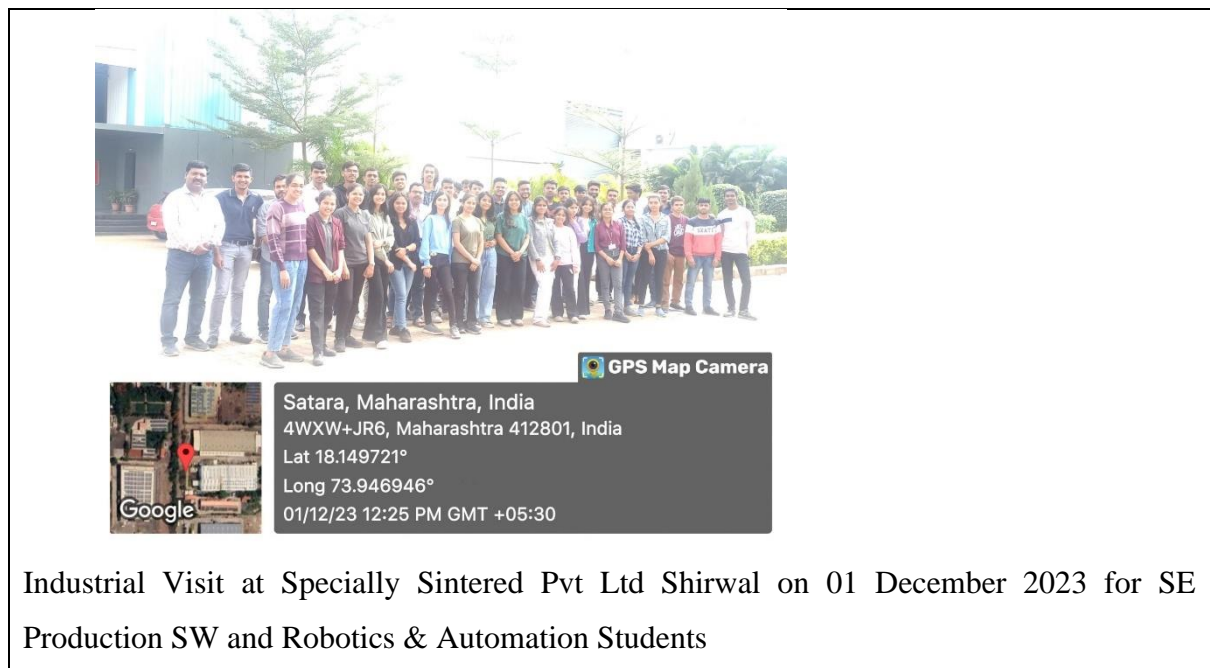
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5.10 STUDENTS UNDERGONE SANDWICH TRAINING (For Mechanical & Production departments)

Term One					
Sr No	Name of student	Industry	Sr No	Name of student	Industry
01	ATIWADKAR PARTH PANDIT	Cummins India	06	KHADKE UMESH BALASAHEB	VANAZ ENGG LIMITED
02	NAVSUPE TEJAS POPAT	Thermax Limited	07	DESHMUKH SHREEJA GANESH	Thermax
03	GADAKH ABHISHEK ASHOKRAO	SURE SHOT ENGINEERING & SERVICES	08	HANDE VAISHNAVI GANESH	GMCC PVT LTD
04	KADAM ADITYA UDAY	VANAZ PVT LTD	09	WAGH OMKAR SANTOSH	Sure shot engg and services
05	CHOBHE SHRIRAM NAMDEV	Thermax Ltd	10	BHAGAT HARSHADA HARI	Schneider electric India pvt ltd

Term Two					
Sr No	Name of student	Industry	Sr No	Name of student	Industry
01	MAHAJAN SHARDUL RAVINDRA	Vanaz Engineering pvt LTD, Kothrud	14	GAIKWAD PRATIK TRUSHANT	JCB India Limited, Talegaon
02	KARDILE GAURAV SANTOSH	Vanaz Engineering Pvt Ltd, Kothrud	15	KHAN MUHAMMED JAWWAD (EWS)	JCB INDIA LTD, Talegaon
03	JADHAO SHIVRAJ HEMANT	Jadhao Steel Alloys	16	SONAWANE SANKET AJAY	Jain Irrigation Systems Ltd, Jalgaon
04	GHAROTE SAISHNU SANJAY	Mahindra Defence Systems Limited, Alandi Fata, Kurali	17	RATHOR KUNAL SURESHCHAND (EWS)	THERMAX LTD, Bhosari
05	TADAS YASH JAGDISH	Mahindra Defence Systems Limited, Alandi Fata, Kurali	18	DHOKARE SURAJ RAMDAS	THERMAX LTD, Bhosari
06	PARNERKAR ATHARVA UMESH	Vishay components, Loni	19	BHOSALE SAHIL MANOJ	Thermax Ltd, Bhosari
07	NAIK RUTURAJ VIJAY	THERMAX LTD, Bhosari	20	DESHMUKH SHRIGANESH PRAVINCHANDRA	THERMAX LTD, Bhosari
08	DESHMUKH SATYAJEET GOPALKRUSHNA	THERMAX LTD, Bhosari	21	KALE PRANAV PRATAP	Mettechnik India, Bhosari

09	TALEKAR PRATHMESH MOHAN	Trimurti automation, Bhosari	22	MANDHARE ATHARVA RAVINDRA	Eco Tech Engineers, Wadkinala , Wadki, Pune
10	KACHI ADITYA GIRISH	Shreeram enterprises, chikhli moi road, moi gaon	23	BHOSALE OMKAR MANOJ	Bharat Forge Limited, Mundhwa
11	GORE RAHUL RAJU	PRARI Engineering, Pimpri	24	DHAKE PURVESH PRAVIN	Triveni allucast industries Pvt Ltd, Sinnar, J- 21, NH 50, Malegaon
12	BHAGAT KRUSHNA VVIJAY	GKN Sinter Metals, Ahmednagar	25	PATIL ADITYA KAILAS	Cu-built Engineers PVT LTD, Bhosari
13	MOHD TOUSEEF	The Jaws Mfg, Ramtekadi	26	THAKUR EKTA SHANMUKH (EWS)	Tata Motors Ltd, Pimpri



Industrial Visit at Specially Sintered Pvt Ltd Shirwal on 01 December 2023 for SE Production SW and Robotics & Automation Students

6. STUDENTS' ACHIEVEMENTS

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

6.2 STUDENTS' ACHIEVMENTS (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	Bhagat Krushna Vijay	Developing Soft Skills & Personality	NPTEL	8 Weeks
2	Bhosale Omkar Manoj	Developing Soft Skills & Personality	NPTEL	8 Weeks
3	Bhosale Sahil Manoj	Developing Soft Skills & Personality	NPTEL	8 Weeks
4	Deshmukh Satyajeet G	Developing Soft Skills & Personality	NPTEL	8 Weeks
5	Deshmukh Shriganesh P	Developing Soft Skills & Personality	NPTEL	8 Weeks
6	Dhake Purvesh Pravin	Developing Soft Skills & Personality	NPTEL	8 Weeks
7	Dhokare Suraj Ramdas	Developing Soft Skills & Personality	NPTEL	8 Weeks
8	Gaikwad Pratik	Developing Soft Skills &	NPTEL	8 Weeks

	Trushant	Personality		
9	Gharote Saishnu Sanjay	Developing Soft Skills & Personality	NPTEL	8 Weeks
10	Patil Aditya Kailas	Developing Soft Skills & Personality	NPTEL	8 Weeks
11	Tadas Yash Jagdish	Developing Soft Skills & Personality	NPTEL	8 Weeks
12	Gore Rahul Raju	Developing Soft Skills & Personality	NPTEL	8 Weeks
13	Kale Pranav Pratap	Developing Soft Skills & Personality	NPTEL	8 Weeks
14	Kardile Gaurav Santosh	Developing Soft Skills & Personality	NPTEL	8 Weeks
15	Mahajan Shardul Ravindra	Developing Soft Skills & Personality	NPTEL	8 Weeks
16	More Nilesh Sanjay	Developing Soft Skills & Personality	NPTEL	8 Weeks
17	Naik Ruturaj Vijay	Developing Soft Skills & Personality	NPTEL	8 Weeks
18	Parnerkar Atharva Umesh	Developing Soft Skills & Personality	NPTEL	8 Weeks
19	Rathor Kunal Sureshchand	Developing Soft Skills & Personality	NPTEL	8 Weeks
20	Sonawane Sanket Ajay	Developing Soft Skills & Personality	NPTEL	8 Weeks
21	Talekar Prathmesh Mohan	Developing Soft Skills & Personality	NPTEL	8 Weeks
22	Thakur Ekta Shanmukh	Developing Soft Skills & Personality	NPTEL	8 Weeks

Term Two				
S N	Name of Student	Title of the Course	Conducted By	Duration/ Dates

6.4 NUMBER OF STUDENTS PLACED

Term One			
Sr No	Name of Student Placed	Name of Organization	Package
1	Bhagat Krishan	GKN Sinter Metals, Ahmednagar	3 Lakhs
2	Aditya Kailas Patil	Cu-Built Engineers Pvt Ltd	2.8 Lakhs

Lower Package Offered: 2.8 Lakhs

Higher package Offered: 03 Lakhs

Average Package Offered: 2.9 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
	Nil		

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)

Term Two

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

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
Dr N G Shekapure Mr Y R Chandwade	Install the Industrial Robot in the Robotic Lab

7.3 FEEDBACK FROM STAKEHOLDERS

Sr No	Stake holder	Number of Feedbacks Received	Overall Feedback
1	Alumni		
2	Parents		
3	Employers		
4	Students		

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

7.6 SWOC ANALYSIS

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

Strengths:

1	Liasoning With Industries: The department's strong relationships with industries provide valuable insights, resources, and potential collaboration opportunities, enhancing students' practical knowledge.
2	Industry Exposure: Students benefit from exposure to real-world industry practices, which can better prepare them for the job market and foster a deeper understanding of their field.
3	Experienced Faculty & Good Retention Ratio: Having experienced faculty members contributes to the quality of education. A high retention ratio indicates faculty satisfaction and stability, which is crucial for maintaining academic excellence.
4	Specialized Facilities: Mention any state-of-the-art facilities or equipment the department has access to, which can further enhance teaching and learning capabilities.
5	Strong Alumni Network: A strong alumni network can provide mentorship, job opportunities, and financial support to the department.

Weaknesses:

1	Less Number of PhD Faculty: To enhance research and academic credibility, the department should focus on recruiting and retaining more PhD-qualified faculty members.
2	Limited Consultancy and Research Grants: Insufficient funding for consultancy and research projects hampers innovation and collaboration with industries, hindering the department's growth.
3	Few R&D Funded Projects: A low number of research and development funded projects limit opportunities for faculty and students to engage in cutting-edge research.
4	Outdated Infrastructure: If there are any infrastructure limitations or outdated equipment, they should be addressed to stay competitive.
5	Limited Publication Output: The department's faculty should aim to increase their research publication output, contributing to the academic prestige of the institution.

Opportunities:

1	Utilization of Industrial Laboratories: The department can maximize the use of industrial laboratories for practical training and collaborative research during the students Industrial Inplant Training
2	Partnerships Through MoUs: By entering into Memorandums of Understanding with industries, the department can expand opportunities for training programs, consultancy, and joint projects.
3	Faculty Qualification and Up-Gradation: Supporting faculty in pursuing higher qualifications and professional development can enhance their teaching and research capabilities.
4	Diversify Research Funding: Explore diverse sources of research funding, including government grants, private organizations, and international collaborations.
5	Online and Hybrid Education: Leveraging online and hybrid teaching methods can help reach a broader student base and expand the department's influence.

Challenges

1	Placement in Core Companies: Ensuring that students are placed in core companies related to their field of study can be challenging in a competitive job market.
2	Improving Patents and Copyrights: Encouraging faculty and students to engage in innovative research and seek patents and copyrights can be a lengthy process and may require additional resources.
3	Attracting Students for New Programs: Attracting students to Robotics and Automation programs may be challenging due to changing industry demands and competition from tech branches.
4	Balancing Research and Teaching: Faculty may face difficulty in maintaining a balance between teaching and research, impacting the quality of both.
5	Financial Sustainability: Securing long-term financial sustainability for the department to support its growth and development is an ongoing challenge. Future plans should address this concern through strategic initiatives and fundraising efforts.

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

1	Enhance PhD Faculty Enrollment: The department aims to enroll a maximum number of faculty members for PhD programs to bolster research and academic excellence.
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2	Strengthen Industry Connections for Placement: The department will intensify efforts to strengthen its industry connections, facilitating increased placement opportunities for students.
3	Expand Robotics and Automation Lab: 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	Implement Smart Classrooms: 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"> To prepare course manual according to Blooms Taxonomy. To participate students' projects in National Design Research Forum competition, paper presentation, BAJA, SUPRA, EFFICYCLE and GARUDSHWA competitions. Students are motivated to participate various sports and cultural activities.
Organization of different activities	<ul style="list-style-type: none"> Alumni Interactive sessions for the students
Research and Innovation	<ul style="list-style-type: none"> Faculty members are provided with financial assistance and research grants to conduct research. 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.
Industry institute Interaction	<ul style="list-style-type: none"> 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.
Students' Achievements	<ul style="list-style-type: none"> Students are motivated to participate in various sports and cultural activities and for competitive examination.

SUMMARY SHEET (Annual)

S N	Activity/ Item	Activity		
		Term I	Term II	Total
		Numbers		
1	Students in the department	76		
FACULTY CONTRIBUTION				
2	e content development by faculty and available online	2	1	3
3	Number of FDP/STTP attended by the department faculty	7	5	12
4	Number of Seminars/ workshops/ webinars attended by the department faculty	6	-	6
5	Number of Conferences/ symposiums attended by the department faculty	-	-	-
6	Number of Online courses / certificate courses completed by department faculty	2	4	6
7	Number of extension lectures / webinars (Lectures delivered on other than technical topics))	1	2	3
8	Number of Faculty served as resource person, expert, chairperson	1	-	1
ACTIVITIES ORGANISED				
9	Number of FDP/STTP organized by the department	-	-	-
10	Number of Seminars/ workshops/ webinars organized by the department (for faculty)	2	1	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)	1	1	2
13	MOU signed with academic and professional organizations	4	1	5
14	Number of Students' chapters /clubs	2	-	2
15	Number of Social activities organized	1	1	2
16	Number of Parent meeting	-	-	-
17	Number of Alumni meet	-	-	-
18	Number of student counseling and career guidance at the department level	-	1	1

RESEARCH CONTRIBUTION				
19	Number of Funded research project	1	-	1
20	Number of Testing and consultancy	-	-	-
21	Number of Patents, copyright, trademark and other (IPR)	-	1	1
22	Number of papers published/ presented in proceedings of conferences	-	1	1
23	Number of Papers published in journals	-	1	1
24	Number of Book/ article publications	-	-	-
25	Total Research citations (Google Scholar)	19	5	24
26	Number of ME awarded	-	-	-
27	Number of PhD Awarded	-	-	-
INTERACTION WITH INDUSTRY				
28	Number of Industrial visits organized	1	5	6
29	Number of Expert lectures delivered by industry experts	1	1	2
30	Number of Industry –sponsored projects (UG/PG)	1	-	1
31	Number of MOU signed with industry	4	1	5
32	Number of Faculty members undergone industrial training	6	1	7
33	Number of Students undergone in-plant training and (or) internship programme	-	-	-
34	Number of students placed	-	2	2
35	Number of students qualified in the competitive examinations	-	-	-
36	Any other additional activities organized	-	-	-

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**