



Internal Quality Assurance Cell

DEPARTMENT OF ELECTRICAL ENGINEERING ANNUAL REPORT

(15 JUNE 2022 to 14 June 2023)

TERM ONE: 15 June to 30 November

TERM TWO: 01 December to 14 June

Academic Year 2022 – 23

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*

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1. PROFILE OF DEPARTMENT

1.1 INTRODUCTION

Year of Establishment	1992
UG Programmes	BE(Electrical)
PG Programmes	ME(Power Electronics and drives)
Number of Teaching Staff	13
Number of Non-Teaching Staff	10

1.2 LABORATORIES IN THE DEPARTMENT

Name of Laboratory	
1. Electrical Machines	2. Control systems
3. Applied Electronics	4. Instrumentation and Measurement
5. Power system	6. Computer center
7. Core lab	8. Research lab

1.3 SOFTWARES AVAILABLE IN THE DEPARTMENT

Software Available	
1. Matlab	2. ETAP
3. Turbo C	4. Mipower

1.4 FACULTY IN THE DEPARTMENT

Name of faculty	Designation
1. Dr Mrs A A Godbole	Professor
2. Dr Mrs A A Apte	Professor
3. Dr. Mrs M H Dhend	Assistant Professor
4. Mr S K Biradar	Assistant Professor
5. Dr L.S. Godse	Assistant Professor
6. Mrs. S.R. Lengade	Assistant Professor
7. Mr. S.M. Chaudhari	Assistant Professor
8. Mr. V. V. Kulkarni	Assistant Professor
9. Mr. V.S. Ponkshe	Assistant Professor
10. Mrs. P. Sankala	Assistant Professor
11. Mrs V N Tarange	Assistant Professor
12. Mr R S Shinde	Assistant Professor
13. Mrs Sreerexha Vadi	Assistant Professor
14. Ms Simeen S Mujawar	Assistant Professor
15. Mr Manoj Kumar Kar	Assistant Professor

1.5 DETAILS OF SUPPORTING STAFF

Name of non-teaching staff	Designation
Mr.V S Dhobe	Electrician/(Lab Asst.)
Mr. G D Dongare	Lab Assistant
Mr P. B Shinde	Lab Assistant
Mr.S. M. Divate	Lab Assistant
Mr O.V Netke	Lab Assistant
Mr D.G Dhumal	Lab Assistant
Mr P. A Patil	Electrician/(Lab Asst.)
Mr. H J Balkawade	Lab Attendant
Mr D M Patil	Lab Attendant
Mr S S Sameer	Lab Attendant

1.6 STUDENTS' ENROLLMENT

Program	GEN		SC		ST		OBC		PWD		Others		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
UG (Elect)	28	12	18	9	0	1	52	12			113	32	211	66
PG (PECD)														
PhD (Elect)														

1.7 STUDENTS-FACULTY FEEDBACK DETAILS

Term One					
Sr. No.	Name of faculty	Class and Subject taught	Feedback (I) (%)	Feedback (II) (%)	Average Feedback (%)
1	Dr Mrs A A Godbole	ACS	88	92	90
2	Dr.Mrs M H Dhend	MS	83	88	85
3	Mr S K Biradar	EHV	87	89	88
4	Dr Mrs A A Apte	AMCA	90	88	89
		PE	94	91	92
5	Dr L.S.Godse	PQ	89	95	92
6	Mrs.S.R.Lengade	EMI	89	79	84
7	Mr.V.S.Ponkshe	PSOC	89	91	90
8	Mrs.P.Sankala	PE	91	91	91
9	Mrs V N Tarange	ADE	87	74	80
10	Mr Lavte	PLC & SCADA	91	91	91
11	Mr R S Shinde	EM-II	87	91	89
12	Mrs Sreerexha Vadi	EIDCBM	94	94	94

Term Two

Sr. No.	Name of faculty	Class and Subject taught	Feedback (I) (%)	Feedback (II) (%)	Average Feedback (%)
1	Dr Mrs A A Godbole	FMA	80	89	84
2	Mr S K Biradar	NA	79	82	80
3	Dr Mrs A A Apte	CS I	87	91	89
4	Mr.L.S.Godse	EM I	88	89	89
5	Mr S.M.Chaudhari	PS-I	79	81	80
6	Mr V.V.Kulkarni	EAM	75	77	76
7	Mr V.V.Kulkarni	CADEM	78	79	78
8	Mr.V.S.Ponkshe	PS II	90	90	90
9	Mrs.P.Sankala	AEDC	91	93	92
10	Mrs V N Tarange	SGP	91	94	93
11	Mr R S Shinde	SG	92	95	94
12		FMA	89	91	90
13	Mrs Sreerekha Vadi	NMCP	88	91	90
14	Mrs S.S.Mujawar	EM	90	92	91
15	Mrs S.S.Mujawar	CADEM	90	86	90

1.8 RESULT ANALYSIS

Term One					
Name of faculty	Class and Subject Taught	% passing	Name of faculty	Class and Subject Taught	% passing
Mr. Manujkumar kar	SE-PGT	84.21	Mr. Y. Funde	TE-ITM	94.59
Dr. M H Dhend	SE-MS	55.26	Mrs. Sankala P	TE-PE	51.35
Mrs. V N Tarange	SE-ADE	47.37	Mr. R S Shinde	TE-EM	74.32
Mrs. S R Lengade	SE-EM&I	72.37	Mrs. S Vadi	TE-EIDCBM	94.24
Mr. S P Surase	SE-EM-III	48.68	Dr. A Apte	TE-AMES	43.24
Mr. V S Ponkshe	BE-PSOC	65.06			
Mr.	BE-PLC	89.09			
Dr. L S Godse	BE-PQ	64.29			
Mr. S K Biradar	BE-EHV	93.44			
Dr. A A Godbole	BE-ACS	50			

Term Two

Name of faculty	Class and Subject Taught	% passing	Name of faculty	Class and Subject Taught	% passing
Mr. S M Chaudhri	SE-PS-I	50	Mrs. S S Mujawar	TE-EM	79
Dr. L S Godse	SE-EM-I	47.5	Dr. A A Apte	TE-CSE	75
Mrs. S Vadi	SE-NMCP	54	Mr V.V. Kulkarni	TE-CADEM	75
Dr. A A Godbole	SE-FMA	55	Mr. V S Ponkshe	TE-PS-II	63
Mr. S K Biradar	SE-NA	60			
Mrs. V N Tarange	BE- SGP	92.8			
Mr. P K Sankala	BE-AECD	85.54			
Mr. R S Shinde	BE-SG	98.8			
Dr. A A Apte	BE-IE	95.5			

1.9 CLASS RESULT ANALYSIS (All Classes FE to BE)

Term One												
S N	Cla ss	Number of Students									Percentage of Passing	
		Appeared	Clear Passed	Outstanding (O) (9.1 -10)	Excellent (A+) (8.1 - 9)	Very Good (A) (7.1 - 8)	Good (B+) (6.1 - 7)	Above Average (B) (5.1 - 6)	Average / pass class (4 - 5)	Fail (F) 0 - 3.99	All Clear	With ATKT
	SE	76	27	-	-	5	18	4	-	49	35.52	100
	TE	74	23	3	7	7	5	1	-	51	31.08	100
	BE	84	39	25	13	1	0	-	-	45	46.43	100

Term Two													
S N	Cla ss	Number of Students									Percentage of Passing		
		Appeared	Clear Passed	Outstanding (O) (9.1 -10)	Excellent (A+) (8.1 - 9)	Very Good (A) (7.1 - 8)	Good (B+) (6.1 - 7)	Above Average (B) (5.1 - 6)	Average / pass class (4 - 5)	Fail (F) 0 - 3.99	All Clear	With ATKT	
	SE	76	24	-	-	9	11	4	-	37	15	31.57	48.68
	TE	71	27	6	4	13	4	-	-	39	5	35.5	54.9
	BE	83	55	8	28	10	5	-	-	2	28	55	66.27

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

S N	Class	Number of Students									Percentage of Passing	
		Appeared	Clear Passed	Outstanding (O) (9.1 -10)	Excellent (A+) (8.1 - 9)	Very Good (A) (7.1 - 8)	Good (B+) (6.1 - 7)	Above Average (B) (5.1 - 6)	Average / pass class (4 - 5)	Fail (F) 0 - 3.99	All Clear	With ATKT
	BE	83	55	15	11	24	3		2	28	55	

1.10 UNIVERSITY RANKERS (Consider last five academic years)

Academic Year 2021 - 22			
Sr No	Name of the Ranker	Class	Rank

(start on new page) Few photographs of Labs, final year class group photos, faculty and staff group photos, photo of special facility available in the department, news published in the print media, any significant achievement of department

Size of photo 5 cm x 7 cm with captions	

2. FACULTY CONTRIBUTION

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

Term One		
SN	Name of Faculty	Awards & Recognitions
1.	Dr. Manoj Kumar Kar	Ph D Awarded (18.10.2022) Research Conclave Award (August 2022)

Term Two		
SN	Name of Faculty	Awards & Recognition

2.2 CONTRIBUTION OF FACULTY (Interaction with outside world)

Term One		
SN	Name of Faculty	Nature and details of contribution (Representation at University, State, National , International level, corporate world, Social Platforms, etc)
1	Dr. Manoj Kumar Kar	<ol style="list-style-type: none"> Contributed as a Reviewer for one research article for Internataional Transactions on Electrical Energy Systems (SCIE Journal) Contributed as a Reviewer for 3 research papers for International Journal of Power Electronics and Drive Systems (IJPEDS)- Scopus Indexing Journal Contributed as Reviewer for International Journal of Engineering Research & Technology Contributed as a reviewer of papers for IEEE conference on IATMSI-2022 , organized by IEEE MP section Contributed as a reviewer of papers for IEEE conference on ICRAIE 2022 organized by NIT Surathkal Contributed as a reviewer of papers for IEEE conference on IITCEE 2023 organized by BNM Institute of Technology, Bengaluru

2	Dr.A.A.Apte	<ol style="list-style-type: none"> 1. Worked as a reviewer for IEEE Access journal 2. Worked as reviewer for Asian journal of Control 3. Worked as reviewer for Journal of power Electronics 4. Worked as reviewer for IET Power Electronics
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Term Two		
SN	Name of Faculty	Nature and details of contribution (Representation at University, State, National , International level, corporate world, Social Platforms, etc)
1	Dr A A Godbole	Nominated on BOS Electrical Engineering, SPPU
2	Dr.A.A.Apte	<ol style="list-style-type: none"> 5. Worked as a reviewer for IEEE Access journal 6. Worked as reviewer for Asian journal of Control 7. Worked as reviewer for Journal of power Electronics 8. Worked as reviewer for IET Power Electronics
3	R S Shinde	Screening Committee Member at ICMR-NIV, 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	SK Biradar	NA and HEV Notes in PDF	videos and you tube	Available with teacher.

Term Two				
Sr No.	Name of Faculty	Title of e-content	e-content development facility/platform	link of the content

2.4 FDP/STTP ATTENDED BY THE DEPARTMENT FACULTY

Term One				
S N	Name of Faculty	Title of the FDP/STTP	Organized by	Duration/ Dates
1	Dr. A. A. Apte	One Week Faculty Development Program on Recent Trends in machine Learning under the Aegis of IETE Student forum & Professional Activity Centre Of IETE New Delhi	Department of E&TC, AISSMS College of Engineering Pune	13th March 17th March 2023
2	Ms. P.Sankala	ENERGY LITERACY TRAINING	Energy Swaraj Foundation	8th March 2023
3	Dr. A. A. Apte	ENERGY LITERACY TRAINING	Energy Swaraj Foundation	25th Feb 2023
4	Mrs V N Tarange	National Level SPPU sponsored workshop on Implementation of National education Policy 2020: Alumni Connect	Department of Civil Engineering	23rd Feb -24th Feb 2023
5	Ms. S. Vadi	ENERGY LITERACY TRAINING	Energy swaraj foundation	9th Feb 2023
6	Ms. S. Vadi	Professional Development programme on Entrepreneurship Development	National institute of technical & research centre	30th Jan -3rd Feb 2023
7	Ms. S. Vadi	Professional Development Programme on Research Writing and Reference Management	Electrical Engineering in AISSMS COE Pune	09th Jan-13th Jan 2023
8	Mr S.M. Chaudhari	One day Faculty Development program FDP on Outcome Based Education	AISSMS IOIT Pune	21st Jan 2023
9	Dr. A. A. Apte	For successfully completing the course electric Vehicles – Part 1 with consolidated score of 85%	Indian Institute of technology Madras	Jan- Feb 2023
10	Ms. S. Vadi	online course: Jupyter notebook	Great Learning Academy	January 2023
11	Ms. S. Vadi	online course :Anaconda Python	Great Learning Academy	January 2023
12	Ms. S. Vadi	online course :Functions in Python	Great Learning Academy	January 2023

13	Ms. S. Vadi	online course: Python Data Structures	Great Learning Academy	January 2023
14	Ms. S. Vadi	online course: Packages in Python	Great Learning Academy	January 2023
15	Ms. S. Vadi	online course: Ralex in Python	Great Learning Academy	January 2023
16	Ms. S. Vadi	online course: OOPs in Python	Great Learning Academy	January 2023
17	Ms. S. Vadi	online course: Anaconda Python for Non – Programmers	Great Learning Academy	January 2023
18	Ms. S. Vadi	online course: Range Kutta Method of Fourth Order	Great Learning Academy	January 2023
19	Ms. S. Vadi	online course: Euler’s method	Great Learning Academy	January 2023
20	Ms. S. Vadi	online course: Python Fundamentals for Beginners	Great Learning Academy	January 2023
21	Mrs V N Tarange	Examination reforms workshop in online mode	AICTE	2023
22	Ms. S. Vadi	Module 2: Professional Ethics & Sustainability	National Initiative for Technical Teachers Training	
23	Ms. S. Vadi	Module 1: Orientation towards Technical Education & Curriculum Aspects	National Initiative for Technical Teachers Training	
24	Ms. S. Vadi	Module 6: Student Assignment and Evaluation	National Initiative for Technical Teachers Training	
25	Mr. V.V. Kulkarni	Performance Optimization of Photovoltaic System Using Thermoelectric Cooling System	International Conference on Futuristic Technologies	25th Nov- 27th Nov 2022
26	Mr. V.s .Ponkshe	Five Day Faculty Development Programme on Recent trends and Advance in electronics	Department of electronics and communication engineering of Dr. B.C. Roy	19th Sept-23rd Sept 2022

			engineering college Durgappa	
28	Mr. S.M.Chaudhri	One week online Faculty Development Programme on(FDP)Artificial Intelligence Machine Learning and IOT For Electrical Engineering	AISSMS Pune	8th Aug- 12th Aug 2022
29	Mr. V.S .Ponkshe	Faulty Development Programme On Power System Analysis	NPTEL-ALCTE Faulty Development Programme	Jul-Oct 2022
1	Dr A A Godbole	AI,ML and IoT for Electrical Engg	IOIT	8-12 August 2022
2	Mrs V N Tarange	AICTE,MOE's IIC Sponsored one week FDP on Entrepreneurship, Innovations &Digital Skills in New Era of AI	MORADAB AD Institue of Technology	25-29 July 2022
3	V.S. Ponkshe	Recent Trends and Advances in Electronics	BC Roy COE Durgapur	19 - 25 September 2022
4	R S Shinde	ATL FDP on "Role of Power Electronics in Electric Vehicles: New Trends & Challenges" from 2022-09-05-2022-09-10 to 2022-09-12-2022-09-16 at CMR INSTITUTE OF TECHNOLOGY.	CMR INSTITUTE OF TECHNOLOGY	8 Days 05/09/22 to 12/09/22
		Eight-Day Faculty Development Program on Research, Publication and Patent in Humanities and Sciences, for faculty and researchers,	Department of English and Other Foreign Languages, SRM Institute of Science and Technology, Ramapuram Campus, Chennai-600089,	22nd to 30th August 2022.

		National Level One Week Online Faculty Development Programme on “Deep Learning With Python”	Department of Information Technology, AISSMS, IOIT, Pune.	19 th - 24th September 2022
		International Faculty Development Program (FDP) on “Advanced Topics in Control systems”	Department of Electrical Engineering in Association with IET Nashik	22nd to 24th September 2022

Term Two				
S N	Name of Faculty	Title of the FDP/STTP	Organized by	Duration/ Dates
1	S.Vadi	1.Research Writing and Reference Management	NITTT Chennai	One week 09/01/2023- 13/01/2023
		2.ENTREPRENEURSHIP DEVELOPMENT	NITTT Chennai	One week 30/01/2023 - 03/02/2023
2	R S Shinde	FDP on Research Methodology :The practical Approach	Sinhgad Academy of engineering pune	7 Days 24/04 to 28/04/2023
3	S.S.Mujawar	Innovative Teaching and learning pedagogy	Research Foundation of India	One week 1-8 April 2023

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.	R S Shinde	ETAP ONLINE Webinar.	Business Developer, Unified Systems, Lucknow	30th Sep 2022.
2	S.S.Mujawar	Designing motor control algorithms for optimum performance	MATHWORKS	22 September 2022
		Addressing challenges involved in EV battery modeling	MATHWORKS	21 September 2022
		System modeling and simulation of electric Two Wheeler	MATHWORKS	20 September 2022

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

2.6 CONFERENCES/ SYMPOSIUMS ATTENDED BY THE DEPARTMENT FACULTY

Term One				
S N	Name of Faculty	Title of the Conference / Symposium	Organized By	Duration/ Dates
1	Dr. Manoj Kumar Kar	International Conference on Advances in Computing, Communication, and Materials (ICACCM)	Tula's Institute, Dehradun	10-11 Nov, 2022

Term Two				
S N	Name of Faculty	Title of the Conference / Symposium	Organized By	Duration/ Dates
1.	R S Shinde	International Conference On Green Energy	AISSMS COE	16-17th May 2023
2	S.S.Mujawar	EPREC 2023	NIT, Jamshedpur	25-27 May 2023

2.7 ONLINE COURSES / CERTIFICATE COURSES COMPLETED BY DEPARTMENT FACULTY

Term One				
S N	Name of Faculty	Title of the Course	Conducted By	Duration/ Dates
1	Dr. Manoj Kumar Kar	30-days Deep Learning Master Class	APSSDC	11 Nov- 11 Dec, 2022
2	Mrs S Vadi	NITTT Module 6 – Student Assessment and Evaluation	NITTT	01 Oct-30 Nov 8 weeks

Term Two				
S N	Name of Faculty	Title of the Course	Conducted By	Duration/ Dates
1	Mrs.S Vadi	Online certificate course of Python Programming	Great Learning Academy	Jan-Feb 2023
2	Mrs.S Vadi	Energy Literacy Training	Energy Swaraj Foundation	09/02/2023
3.	R S Shinde	Energy Literacy Training	Energy Swaraj Foundation	22/02/2023
4	Dr A A Godbole	Energy Literacy Training	Energy Swaraj Foundation	
5	Dr A A Apte	Energy Literacy Training	Energy Swaraj Foundation	
6	S.S.Mujawar	Energy Literacy Training	Energy Swaraj Foundation	15/03/2023
		EV Design	Skill Lync	June 2023
7	V N Tarange	Energy Literacy Training	Energy Swaraj Foundation	09/02/2023

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	P Sankala	Motivational Talk	Mr Koli	28th July 2022	TE students- 64
2	Mr Manoj Kumar Kar	Motivational Talk	Mr Koli	12 October ,2022	SE Students -52
3	Dr. Manoj Kumar Kar	Stress Management	Dr. Rita Rani Bhattacharjee	28th Nov 2022	SE Electrical Students-60
3	Mrs V N Tarange	Digital Memoriesand Logic Families	Mr. Ashay V Sant	10th Dec 2022	SE Electrical Students-32
4	Dr.A.A.Apte	Embedded System and its Application	Mr.Abhigyan Giri	14 Oct. 2022	TE Electrical Students 57
5	Dr A A Godbole	Control applications	Dr Sushant Chaudhari	1 Nov 2022	BE Electrical 59

Term Two					
S N	Name of faculty coordinator	Topic	Name and contact details of guest	Date	Number of beneficiaries
1	Dr. A.A. Apte	PID Controller	Mr. Atul Chavan	24 March 2023	TE Electrical Students 53
2	Mrs S Vadi	Preparations for higher studies	Vallabh Parsekar(IISC Bangaluru),	18/02/2023	SE,TE and BE Electrical-50

			Anurag Lambhor(IIT Guwahati), Aniket Aitawade(IIT Kharagpur)		
3	V N Tarange	Switchgear and Protection	Mr. Umesh Pathak	18 April 2023	B.E Electrical Students 37

2.9 FACULTY SERVED AS RESOURCE PERSON, EXPERT, CHAIRPERSON

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

Term Two				
S N	Name of Faculty	Title of Activity	Organizing body	Date
1	Dr A A Godbole	Subject Expert Faculty selection at Matoshri college, Nashik	Matoshri college, Nashik	24 June 2023
2	Mrs. V N Tarange	Mini Project Competition	E&TC Department AISSMS COE	18th May 2023

Few photographs of related to faculty contribution (felicitation of faculty, photos of award function etc.

Size of photo 5 cm x 7 cm with captions

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/Symposium	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/Sympo sium	Duration/ Dates	No. of Participants	Funding Agency (If any) and Amount (Rs.)

3.2 SEMINARS/ WORKSHOPS/ WEBINARS ORGANIZED BY THE DEPARTMENT

Term One					
S N	Name of Coordinator/ s	Title of the Seminar/Webinar	Duration / Dates	No. of Participa nts	Funding Agency (If any) and Amount (Rs.)
1	P Sankala	Fabrication of Voltage Regulator	30 th Aug 2022	B.E. Electrical 50	
2	V.S. Ponkshe	Career Opportunities in Energy Audit	21st Septemb er 2022	B.E. Electrical 50	
3	S.S.Mujawar	Workshop on “Finite Element Analysis” Software for analysis of Electrical Machines	11/05/20 23	TE students- 50	
4	V N Tarange	Project Competition	06th May 2023	B.E Students	Self Funded

Term Two					
S N	Name of Coordinator/ s	Title of the Seminar/Webinar	Duration / Dates	No. of Participa nts	Funding Agency (If any) and

	s			nts	Amount (Rs.)
1	Dr A A Godbole, Ms V N Tarange	Professional Ethics by Mrs Kavita Kaushik, Cummins India Limited	20 March	92	

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 Participants	Funding Agency (If any) and Amount (Rs.)

Term Two					
S N	Name of Coordinator/s	Title of the Conference / Symposium	Duration / Dates	No. of Participants	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

Term Two				
S N	Name of Faculty Coordinator	Details of activity conducted	Date	Number of beneficiaries
01	V N Tarange	Social Activity:Traffic Awareness	4 th May 2023	Electrical Engineering students and

				Citizens of Pune
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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.A.A.Apte	Belrise Industries	2 Dec. 2022	1 Dec 2025

Term Two				
Sr. No.	Faculty Coordinator	Name of Organisation	Date of MoU Signed	Valid upto 00/00/0000
01	V N Tarange	MSEDCL Pune zone	Renewal	3 years

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

3.6 STUDENTS' CHAPTERS /CLUBS

Sr. No	Name of Students' Chapter	Number of Student Members
1.	Institution of Engineers (India)	
2.	Indian Society for Technical Education	

EVENTS ORGANISED (By Students' Chapters / Clubs and others)

Name of Students' Chapter: Institution of Engineers, India

Faculty Advisor:P Sankala

Term One				
SN	Event name and details of event	Name of chief guest, judges etc.	Duration and Dates	Number of beneficiaries
1	Entrepreneurship	Mr Koli	28th July 2022	TE students- 64
2	Power Electronics applications	Gayathri Engineers, Satara road , Pune	25th Aug 2022	TE students- 60
3	Substation	AISSMS COE	25th Aug 2022	TE students - 35
4	Fabrication of Buck converter	Mr Mohan Pare Design & Development Engineer, R&D Arhetec Innovative solutions, Pune	30th Aug 2022	TE students- 60
5	Transformer Maintenance	Mr Pratap S Bhosale, Additional Executive Engineer, Testing ,Pune	22nd Sep 2022	TE students- 65
6	Carrier Opportunities in Energy Audit	Mr. Narendra Duvedi	23th Sep 2022	BE students - 55
7	Control Systems	Wipro Pari, Pune	1st Oct 2022	BE students -42
8	Embedded systems and applications	Mr A Giri, Training Head, IndEyes Info Tech Pvt Ltd, Pune	14th Oct 2022	TE students- 45
9	Multilevel Inverters	Dr M Chaudhary, Prof & Head, EED, VNIT Nagpur	17th Oct 2022	TE students- 50
10	Engineering Today	AISSMS COE	18th, 19th& 20thOct 2022	SE, TE & BE students - 231
11	Renewable energy station	AISSMS COE, Solar Power station	10th Nov 2022	TE students- 53
12	Substation	400 KV Lonikand Substation MSETCL Lonikand, Pune	11th Nov 2022	TE students- 58
13	Power Plant	Hydro Power Plant, Ghatghar	12th Nov 2022	TE students - 43

14	Stress Management	DR Rita Rani Bhattacharjee, Head, Counseling division, VIT Vellore	28th Nov 2022	SE students -60
15	Digital Memories & Logic Families	Mr. Ashay Sant	7th Dec 2022	SE students - 44
16	Manufacturing of Transformers	Prayog Electricals Pvt Ltd, Pirangut	9th Dec 2022	SE students - 39
17	Hydroelectric Power Plant	Bhatghar Dam, Bhore	10th Dec 2022	SE students -30

Term Two				
SN	Event name and details of event	Name of chief guest, judges etc.	Duration and Dates	Number of beneficiaries
1	NSS	Kalyan Village	13th Feb 2023	SE,TE&BE students - 17
2	Engineering Economics -II	Mr. Anant Deshapande	16th Feb – 27th April 2023	BE student - 84
3	Preparation of Higher Studies	Vallabh Pareskar (IISC Bangalore), Anurag Lambhor (IIT Guwahati), Aniket Aitawade (IIT Kharagpur)	18th Feb 2023	SE,TE& BE students - 50
4	Career opportunities after Engineering	Mr. Shankar Wadne, ACE Academy, Hyderabad	20th Feb 2023	SE & TE students - 67
5	Metro Visit	Mahametro, Pune	22th Feb 2023	TE students -47
6	Fault scenario simulation in feeder	VLAB	13th March 2023	BE students - 47
7	Understanding of self and philosophy of karma	Mr. B.K. Mukesh	17th March 2023	SE, TE & BE - 61
8	Professional Ethics	Mrs. Kavita Kaushik	20th March 2023	TE & BE -53
9	Higher Studies Abroad for engineers	Mr. R Banerjee	21st March 2023	TE & BE students - 100
10	ITI Institute, Boribhadak	Daund, Pune	21st March 2023	SE students - 40

11	PID Controller, its importance and application	Mr. Atul Chavan	24th March 2023	TE - 32
12	Diesel Loco Shed	Ghorpadi, Pune	12th April 2023	BE students - 49
13	MATLAB & SIMULINK	Mrs. A. A. Apte, Mrs. P Sankala & Mr. V.S. Ponshe	24th – 26th April 2023	TE students - 43
14	EV policies and job opportunities in EV sector	Dr. Santosh Patani, MSEDCL, Pune	24th April 2023	BE students - 48
15	Traffic Awareness And Safety Campaign	Maldhakka Chowk, Pune	4th May 2023	SE, TE & BE students - 85
16	Python programing and code for Descarte Rule of signs	Mr. Ranjith Kumar.k	6th May 2023	SE students - 41
17	Application of permanent magnet AC motors in EV	Mr. Prathamesh Chaudhari	8th May 2023	BE students - 46
18	GIS Substation	Rasta Peth Pune	17th March 2023	B.E Students 38

Name of Students' Chapter: Indian Society for Technical Eduction

Faculty Advisor: Mr. R. S. Shinde

Term One				
SN	Event name and details of event	Name of chief guest, judges etc.	Duration and Dates	Number of beneficiaries
1	Hydroelectric Power Plant	Ghatghar Dam	12/10/2022	45

Term Two				
SN	Event name and details of event	Name of chief guest, judges etc.	Duration and Dates	Number of beneficiaries
1	Poster Competition			

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

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

Term Two			
Faculty coordinator	Name of Activity	Date, Duration	Number of students involved
1.Sreerekha Vadi 2.Simeen Mujawar 3.Rahul Shinde 4.V S Ponkshe	Tree Plantations at Kalyan Village during NSS residential Camp	13/02/2023	17
1.Sreerekha Vadi 2.Simeen Mujawar 3.Rahul Shinde 4.V S Ponkshe 5.V N Tarange	NSS Residential Camp for 2 days	12th and 13th Feb 2023	60
1. V N Tarange 2. P Sankala	Traffic Awareness and Safety Campaign	4th May 2023	85

3.8 PARENT MEETING

Faculty Coordinator	Day and Date	Details of Parent meetings organized	Number of Parents attended
P Sankala	24th Sep 2022, Saturday	Students' attendance, Curriculum design of Electrical Engineering course, Industry internship of students, participation of students in various co-curricular and extracurricular activities	12
S.M.Chaudhari			

3.9 ALUMNI MEET

Faculty Coordinator	Day and Date	Details of Alumni meetings organized	Number of Alumni attended
Mr S M Chaudhari	Saturday, 25 February 2023	Alumni students right from first batch to 2022 passout batch came for the meeting and promised to help the department with placement, internship and other technical details	93
			

3.10 SUPPORT FROM ALUMNI

Term One					
Sr No	Name of Alumni	Position and Organisation	Batch (e.g. 2014 – 2018)	Details of Support	Date
1					

Term Two					
Sr No	Name of Alumni	Position and Organisation	Batch (e.g. 2014 – 2018)	Details of Support	Date
1	Mr Ajit Jha			Selected 3 students from 2023 batch	

3.11 INTERACTION WITH ALUMNI

Term One				
S N	Name of Alumni and Activity coordinator	Details of Activity conducted	Date and duration	Total Number of

				beneficiaries
1	Mr.Mandar Kulkarni Dr.A.A.Apte	Internship offered to TE students	1 month	22 students
2	Prashil Dhanvij Dr.A.A.Apte	Career Guidance	1 Hr	20

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

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

(Start on new page) Few good photographs related to different activities organized

Size of photo 5 cm x 7 cm with captions



Guest Lecture on Philosophy of Karma
by BK Mukesh



Tree Plantations at Kalyan Village



Traffic Awareness and Safety Campaign



Workshop on Machine Designing by Mr. Mandar Kulkarni

4. RESEARCH CONTRIBUTION

4.1 FUNDED RESEARCH PROJECT

Term One				
S N	Principal Investigator	Title of the Project	Amount Received (Rs)	Funding Agency
1	Nil			
2				

Term Two				
S N	Principal Investigator	Title of the Project	Amount Received (Rs)	Funding Agency
1	Nil			
2				

FUNDING RECEIVED FOR ANY OTHER ACTIVITY

Term One				
S N	Faculty Coordinator	Title of the activity	Amount Received (Rs)	Funding Agency
1	Nil			
2				

Term Two				
S N	Faculty Coordinator	Title of the activity	Amount Received (Rs)	Funding Agency
1	Nil			
2				

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		

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)
	Nil			

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

PUBLICATIONS

4.4 PAPERS PUBLISHED/ PRESENTED IN PROCEEDINGS OF CONFERENCES

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

						by
1	Manoj Kumar Kar, Shejal Sanjay Waghmare, Simeen Mujawar , Sreerekha Vadi	Speed Control of a Brushless DC Motor using Hall Sensor	Jun e 202 3	4th Electric Power and Renewable Energy Conference (EPREC 2023)		EPREC 2023

Term Two						
S. No	Authors	Document Details	Year	Conference Details	ISBN	Organized by
1						

4.5 PAPERS PUBLISHED IN JOURNALS

Term One						
S. No	Authors	Document Details	Year	Source Details	ISBN/ISSN	Publisher
1.	Mrs P Sankala & Ms Shruti Atkore	Design of Supercapacitor Storage Bank for Fast Charging using Single Phase Matrix Converter	Aug 2022	International Journal of Engineering Research & Technology (IJERT)	ISSN: 2278- 0181	
2	L Kumar, M K Kar , and S. Kumar	Reactive Power Management of Transmission Network using Evolutionary Techniques	Aug 2022	Journal of Electrical Engineering & Technology	ISSN: 1975- 0102	Springer
3	M K Kar , S Kumar, A K Singh, and M Cherukuri	Design and Analysis of FOPID- Based Damping Controllers Using a Modified Grey	Oct 2022	International Transactions on Electrical Energy System	ISSN: 2050- 7038	Hindawi

		Wolf Optimization Algorithm				
4	S K Gupta, M K Kar, L Kumar, and S Kumar	A Simplified Sine Cosine Algorithm for the Solution of Optimal Reactive Power Dispatch	Nov 2022	International Transactions on Electrical Energy System	ISSN: 2050-7038	Hindawi
5	D. Mishra, M K Maharana, M K Kar, and A Nayak	Frequency Management of an Interconnected Power System using Modified Differential Evolution Algorithm	Dec 2022	International Journal of Renewable Energy Research (IJRER)	ISSN: 1309-0127	IJRER
6	Simeen S. Mujawar, Sreerekha Vadi	RASPBERRY PI AND OPENCV FOR LICENSE PLATE RECOGNITION IN REALTIME	Jun 2022	International Research Journal of Modernization in Engineering Technology and Science	ISSN: 2582-5208	IRJMET S

Term Two						
S. No	Authors	Document Details	Year	Source Details	ISBN/ISSN	Publisher
1	Aparna Patil, Dr AA Godbole	Study of Total Harmonic Distortion in Multilevel Inverter Topologies	April 2023		2278-0181	IJERT
	Aparna Patil, Dr AA Godbole	Hardware Implementation of Cascaded Seven Level H Bridge Multilevel Inverter in Solar & Battery	May 2023		0971-3034	Indian Journal of Technical Education

		for Domestic Load Application				
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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
S.M. Chaudhari	Electrical Machines-I (Gujrat Technological University)	Techknowledge Publication	978-93- 89828- 20-7	
	Electrical System Design ,Managenment And Auditing (Mumbai University)	Techknowledge Publication	978-93- 5563- 353-8	
	Illumination Engineering (Savitribai Phule Pune University)	Techknowledge Publication	978-93- 5563- 366-8	

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 A A Godbole	409,6,5	Dr. M K Kar	60, 4,3
Dr.A.A.Apte	220, 8, 7		

Total Citations of Department:

4.8 ME AWARDED

Sr No	Name of Supervisor	Title of Thesis	Name of Candidate
1	P Sankala	“Design of fast charging system of super capacitor Bank using frequency matrix converter”	Ms Shruti Atkore
2	Dr.A.A.Apte		Ms.Sharmishtha Raut
3	Dr.A.A.Godbole	Study of Total Harmonic Distortion in Multilevel Inverter Topologies with Simulation & Hardware Implementation	Aparna Patil
4	Dr.A.A.Godbole	Comparative Study of Bidirectional Converter Topologies for Integrated Starter Generator Application”	Hitesh Faldu

4.9 PhD GUIDE DETAILS

Name of Faculty who are PhD Supervisor	Number of Scholars Registered
1. Dr A A Godbole	04

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

Sr No	Name of Supervisor	Title of Thesis	Name of Candidate

Few good photographs related to different activities organized under research, innovation	
Size of photo 5 cm x 7 cm with captions	

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.	Dr AA Apte & P Sankala	TE students- 60	Gayathri Engineers, Satara road , Pune	25 th Aug 2022
2	Dr.L S Godse & Prof.S.Vadi	TE Electrical 59	Lonikand Substation, Pune	11th Nov 2022
3	Dr A A Godbole	BE Electrical	Wipro Pari	1 October 2022
4	Mrs. V N Tarange	S.E Electrical	Prayog Electricals Pvt Ltd,Pirangut	9th Dec 2022
5	R S Shinde	TE Electrical 45	Ghatghar Hydro Power Station,Ghatghar ,Thane	12/11/20 22
6	Dr. M K Kar	SE Electrical	Bhatghar Hydro Power Station	10th Dec 2022

Term Two				
Sr. No.	Faculty Coordinator	Class and Number of students attended	Industry Name and Address	Date of visit
1	Mrs.S Vadi	SE Electrical 40	ITI,AISSMS,Boribhadak for Audit Course	21/03/20 23
2	V N Tarange	B.E Electrical	MSEDCL	17th March 2023

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.A.A.Apte	TE 55	Mr. Abhigyanam Giri Training Head at IndEyes Info Tech Pvt.Ltd	Embedded System and Applications	14/10/2022
2	Prof.S Vadi	TE 70	Mr Pratap S Bhosale, Addl Exe. Engg.,MSEDCL,Pune	Transformer Maintenance	22/09/2022
3	Dr A A Godbole	BE 56	Mr Sushant Chaudhari, Consultant to TCS	Applications of Control systems	1/11/2022
4	S.S.Mujawar	SE 38	T.Muthukumaran, Dy Manager(Tech), NSIC-TSC, Hyderabad	Electric vehicles	08/12/2022
5	Mrs V N Tarange	SE Electrical Students-32	Mr. Ashay V Sant From Siemens Infotech Pune	Digital Memories and Logic Families	10th dec 2022

Term Two					
Sr. No.	Faculty Coordinator	Class (Number of students attended)	Name, Industry, designation and contact details of Expert	Topic	Date
1	Mrs.S Vadi	SE Electrical 41	Mr.Ranjith kumar.K, Software Engineer, EverestIMS Technologies Pvt Ltd, Bangalore.	Python Programming and code for Descarte's Rule of Signs	06/05/2023

2	Dr A A Godbole	SE Electrical 48	Mr Asish Bhopale Micro embedded Technologies	Embedded systems and Electric vehicles	9th May, 2023

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
01.	Mrs. V N Tarange	Machine Vision Based Automatic Quality Check Machine for Soybean	Simin Softsys Pvt Ltd
02	S.S.Mujawar	Benchmarking of PMSM Motor with Reluctance Motor	Brose India Automotive systems Pvt Ltd
		Motor drive protection and data logging using IOTfor electric goods carrier vehicle	Simin Softsys 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	Dr.A.A.Apte	Belrise Industries Limited	2/12/2022	1/12/2024

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

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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 (00/00/0000)

5.5 FACULTY MEMBERS UNDERGONE INDUSTRIAL TRAINING

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

Term Two			
Sr. No.	Name of Faculty	Name of Industry	Dates and Duration
1			

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)
01	ACHAL JAYANT TAPRE	MSEDCL (prakash bhavan)	TE	12/5/2022	1/5/2023	4 weeks
02	AHIRE PRASAD KAILAS	Belrise Industries Pvt Ltd	TE	12/11/2022	1/11/2023	4 weeks

03	AJIT BALASAHEB SAWARE	Neat wind industries limited	TE	12/12/2022	1/31/2023	4 weeks
04	AMBHORE PIYUSH BABURAO	Belerise Industries Limited	TE	12/5/2022	1/11/2023	4 weeks
05	ANIKET RANJAN SAHU	Central Railway	TE	11/30/2022	12/31/2022	4 weeks
06	ASHTEKAR MANAS MUKUND	Proexcel System Industrial Automation & Engg. Services.	TE	12/1/2022	12/29/2022	4 weeks
07	ATHAWALE SAHIL SANJAY	Vikarsh nano technology	TE	12/8/2022	1/9/2023	4 weeks
08	BADHE ATHARVA VISHAL	Prakash bhavan	TE	5/12/2022	5/1/2023	4 weeks
09	BAJARE YASHVARDHAN CHANDRAKANT	SoftGear System	TE		12/1/2022	4 weeks
10	BAVISKAR DIPTESH SUDHIR	BHARAT WIRE ROPE	TE	12/2/2022	1/2/2023	4 weeks
11	BHOI DATTARAJ ARUN	The training centre,MSEDCL ,Prakash Bhavan, pune	TE	12/5/2022	1/5/2023	4 weeks
12	BHOITE VAIBHAV TATYASAHEB	SOFTGEAR SYSTEMS	TE	12/1/2022	12/31/2022	4 weeks
13	BONDE BHUVANESH RAJENDRA	Rampushpa Electricals	TE	11/29/2022	12/24/2022	4 weeks
14	BORUDE NIKHIL MITTHU	A-One Engineering Services	TE	12/5/2022		4 weeks
15	CHAVHAN SWARAJESING BHARATSING	PROEXCEL SYSTEM	TE	12/6/2022	1/4/2023	4 weeks

16	DESHMUKH NIRAJ NAGORAO	Belrise Industries Limited	TE	12/12/2022	1/11/2023	4 weeks
17	GAIKWAD SACHIN GANESH	MSEDCL NANDED	TE	12/8/2022	1/23/2023	4 weeks
18	GANGE JAYDEEP RAHUL	SOFTGEAR SYSTEMS	TE	12/1/2022	12/31/2022	4 weeks
19	GHORPADE VISHAL LAXMAN	Belrise Industry limited	TE	12/1/2022	12/31/2022	4 weeks
20	GIRI ANJALI VISHWANATH	Belrise Industries Limited	TE	12/5/2022	1/9/2023	4 weeks
21	GITE ISHA GANESH	MSEDCL	TE	1/6/2023	1/20/2024	4 weeks
22	GOLE SAHIL JAYWANT	Intangles lab pvt ltd	TE	1/23/2023	5/5/2023	4 weeks
23	HAFIEZA AKBAR ATTAR	A-One Engineering Services	TE	12/1/2022	1/1/2023	4 weeks
24	HATKANGANE AKASH DNYANESHWAR	MSEDCL 33/11 kv ellora sub station	TE	12/5/2022	1/4/2023	4 weeks
25	JADHAV TEJAS BHAUSAHEB	Protect power	TE	11/3/2022	12/2/2022	4 weeks
26	JADHAV TEJAS SANTOSH	SHIVHARSHAD ELECTRICAL (GOVT. ELECTRICAL CONTRACTOR)	TE	12/5/2022	1/7/2023	4 weeks
27	KADAM ATHARVA ARUN	MSEDCL,Karad	TE	12/5/2022	1/4/2023	4 weeks
28	KADAM YOGESHRI SURESH	Belrise industries limited (badve engineering grp)	TE	12/12/2022	1/9/2023	4 weeks

29	KAKADE KUNAL BHASKAR	Karmyogi Kundlikrao Ramrao Jagtap Patil Kukadi SSK Ltd	TE	12/8/2022	1/30/2023	4 weeks
30	KESARKAR ANKITA ANANDA	MSEDCL,GANES HKHIND,PUNE	TE	12/5/2022	1/5/2023	4 weeks
31	KULKARNI NAKSHATRA NACHIKET	Belrise Industries Ltd.	TE		1/9/2023	4 weeks
32	KUMBHAR ADITYA PRAKASH	Belrise industry	TE	12/12/2022	1/9/2023	4 weeks
33	LAMBHATE SAGAR VIJAY	Silverline Electrical Pvt.Ltd.	TE	12/1/2022	12/31/2022	4 weeks
34	LOKHANDE SANJANA VIJAY	SNABCO INDUSTRIES	TE	12/1/2022	12/31/2022	4 weeks
35	MAGAR KUNAL RAJENDRA	SRSSSS LTD	TE	6/1/2022	6/29/2023	4 weeks
36	MANE DIGVIJAY TANAJI	MSEDCL	TE	12/5/2022	1/5/2023	4 weeks
37	MARWADKAR MADHAVI BAPURAV	A-ONE ENGINEERING SERVICES	TE	12/1/2022	1/1/2023	4 weeks
38	MHETRE KAJAL BALASO	Belrise Pvt Ltd.	TE	12/12/2022	1/9/2023	4 weeks
39	MISAL PRATIK SANJAY	Silverline electricals pvt ltd	TE	12/1/2022		4 weeks
40	MOHITE SANIKA DINESH	Sakshi elec nd electronics	TE	12/2/2022	12/30/2022	4 weeks
41	MORE MITESH JAYWANT	Belrise Industries Limited	TE	1/1/2023	1/30/2023	4 weeks
42	MORE VAIBHAV ANIL	MSEDCL	TE	12/5/2022	1/5/2023	4 weeks

43	NABEDA CHAITANYA BHIKCHAND	WinOne Product Technologies	TE	12/5/2022	2/4/2023	4 weeks
44	NABEDA CHAITANYA BHIKCHAND	WinOne Product Technologies	TE	12/2/2022	1/10/2023	4 weeks
45	NAGARKAR DARSHANA MANGESH	Vikarsh Nano Technology and alloys Pvt. Ltd.	TE	12/7/2022	1/9/2023	4 weeks
46	PANDAV DIPTI KESHAV	Suntake solar system	TE	12/5/2022	12/31/2022	4 weeks
47	PATIL ABHISHEK ARVIND	mahadiscom	TE	12/2/2022	12/30/2022	4 weeks
48	PATIL ABHISHEK ARVIND	MSDE	TE	12/2/2022	12/30/2022	4 weeks
49	PATIL ANURAG SANJAY	Belrise Industries Pvt. Ltd.	TE	12/1/2022	12/31/2022	4 weeks
50	PATIL CHAITANYA UMESH	Rashtriya Chemical Fertilizers Ltd.	TE	12/12/2022	2/12/2023	4 weeks
51	PAWAR SHREYAS VIJAY	MSEDCL(Prakash Bhavan),SB Road, Ganeshkhind, Pune	TE	12/5/2022	1/5/2023	4 weeks
52	RANE PRATHMESH CHARUDATTA	Belrise Industries Limited	TE	12/5/2022	1/11/2023	4 weeks
53	RAUT SAURABH ANNA	Maharashtra state Electricity Distribution Co. Ltd. 33/11 K.V Hiware Sub Station.	TE	12/2/2022	12/31/2022	4 weeks
54	SAPATE ANIRUDDHA UTTAM	A1 Engineering Services	TE	12/1/2022	1/1/2023	4 weeks
55	SAPRE ATHARVA MORESHWAR	Sigma Electric Manufacturing corporation Pvt Ltd	TE	12/1/2022	12/31/2022	4 weeks

56	SARVADE SAHIL RISHIKESH	Belrise industries	TE	12/1/2022	12/31/2022	4 weeks
57	SAWANT SHIVAM VINAYAK	POWER CABLE SOLUTIONS	TE	12/5/2022	12/31/2022	4 weeks
58	SHINDE RANJITSINH BHARAT	Softgear systems	TE	12/1/2022	12/31/2022	4 weeks
59	SHIRULE KEYUR GOPAL	Belrise Industries Limited	TE	1/1/2023	1/30/2023	4 weeks
60	SOSHTE KAUSTUBH RAJAN	Belrise Industries Ltd.	TE	12/12/2022	1/9/2023	4 weeks
61	TAMBULE AMAR RAMESH	SNABCO INDUSTRIES	TE	12/1/2022	12/30/2022	4 weeks
62	THAKARE JUHI VINOD	SBABCO INDUSTRY	TE	12/1/2022	12/30/2022	4 weeks
63	THORAT NIKHIL NANASO	MSEDCL	TE	5/12/0023	5/1/0023	4 weeks
64	THORAT SAKSHI RAJENDRA	MSEDCL Prakash Bhawan Ganeshkhind Pune	TE	12/5/2022	1/5/2023	4 weeks
65	UGALE ADINATH GANESH	A Associates	TE	12/19/2022	2/4/2023	4 weeks
66	WAGHALE HARSHAL SANJAY	Jagdamba Electricals & Engg Works	TE	12/1/2022	3/4/2023	4 weeks
67	WAGHMARE NUPUR MUKINDA	Navmi Electricals	TE	12/3/2022	12/27/2022	4 weeks
68	WAGHMARE SHEJAL SANJAY	Sakalgaonkar engineering and associates	TE	12/19/2022	1/31/2023	4 weeks
69	WAGHMODE VIVEK GOPAL	vishwang electrospace	TE	12/12/2022	4/2/2023	4 weeks

70	YADAV RAVI MAHRAJDIN	Belrise Industries	TE	12/28/2022	1/27/2023	4 weeks
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Term Two						
Sr. No.	Name of the Student	Name of the Industry	Class	Training duration		
				Start date	Last date	Duration (days)
01						
02						

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

Term Two			
Sr. No.	Faculty coordinator	Name of Activity	Remark

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

Term One					
Sr No	Name of student	Industry	Sr No	Name of student	Industry

Term Two					
Sr No	Name of student	Industry	Sr No	Name of student	Industry

Few good photographs related to different activities organized under Industry Institute Interaction

Size of photo 5 cm x 7 cm with captions



Industrial Visit at Ghatghar Hydro Power Station, Thane

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)
Mangesh Pakhare	Mech Pulse, AISSMSCOE	2nd Prize

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))
Akshay Vairagal	Selection for NSS National Camp	

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	Rushikesh Kajale	Webinar on Electric Motor Testing	ICAT	20/10/2022
2	Chaitanya Patil	Advanced Power Electronics and Control	NPTEL	Jul 2022
3	Chaitanya Patil	Electrical systems	Linkdin Learning	19/12/2022
4	Chaitanya Patil	8051 Architecture	Udemy	08/12/2022
5	Prasad Ahire	Advanced Power Electronics and Control	NPTEL	Jul 2022
6	Chaitanya Patil	Electric Power System	Coursera	25 December 2022

Term Two				
S N	Name of Student	Title of the Course	Conducted By	Duration/ Dates
1	Yash Patil	Energy Literacy Program	Energy swaraj Foundation	14/03/2023
2	Samarth Nirali	Energy Literacy Program	Energy swaraj Foundation	14/03/2023
3	Prasad Patil	Energy Literacy Program	Energy swaraj Foundation	14/03/2023
4	Ritesh Naik	Energy Literacy Program	Energy swaraj Foundation	14/03/2023
5	Sakshi Lokhande	Energy Literacy Program	Energy swaraj Foundation	14/03/2023
6	Sarvesh Bodhe	Energy Literacy Program	Energy swaraj Foundation	14/03/2023
7	Aditya Wabale	Energy Literacy Program	Energy swaraj Foundation	14/03/2023
8	Pranali Krishna	Energy Literacy Program	Energy swaraj Foundation	14/03/2023

9	Soumit Debbarma	Energy Literacy Program	Energy swaraj Foundation	14/03/2023
10	Chaitanya Patil	Power system Engineering	NPTEL	Jan-Apr 2023

6.4 NUMBER OF STUDENTS PLACED

Term One			
Sr No	Name of Organization visited	Number of students Participated	Number of students Placed
1	Academor (Software)		1
2	Brose India Automotive - 4.0 LPA		1
3	BYJU Business Development		1
4	Cognizent - 4.0 LPA		3
5	Godrej - 6.20 LPA		1
6	HexaWare Technologies - 4.0 LPA		1
7	Johnson Control - 5.0 LPA		4
8	L & T Infotech - 3.0 LPA		1
9	Neilsoft India Pvt Ltd		2
10	Pentagone Space Private Ltd		1
11	Pinaacal Mobility Solutions Pune - 3.0 LPA		1
12	Praj Industries Pune - 4.5 LPA		1
13	Reliance Industries - 5.50 LPA		3
14	Siemens - 5.0 LPA		5
15	SIMIN		1
16	SIMIN - 5.0 LPA		1
17	TCS - 3.36 LPA		1
18	Thaermax Limited Pune - 3.5 LPA		1
19	Thaermax Limited Pune -3.60 LPA		1
20	The Automotiove Research Association of India, 4.8 LPA		1
21	TVS Motors - 8.0 LPA		1
22	Wipro Pari		1

Term Two			
Sr No	Name of Organization visited	Number of students Participated	Number of students Placed

Lower Package Offered: **3.0 LPA**
 Higher package Offered: **8.0 LPA**
 Average Package Offered: **4.68 LPA**

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

Sr. No	Name of Student	Examination	Examination / registration number

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)
SAE E-BAJA 2022-23	Dr. A. A. Apte Prof. V. S. Ponshe	Resonance Racing E-BAJA <ul style="list-style-type: none"> ● AIR 3 in the Design Evaluation Event ● AIR 3 in the CAE Event ● AIR 10 in Sales Event 	

Term Two			
Name of Event	Name of Faculty Advisor	Details of Achievement (State/University/National/International Level)	Remark (Domain)
Indian karting Championship 2023	Dr. M. R. Phate	Resonance Racing <ul style="list-style-type: none"> ● Go-kart ● AIR 3 overall ● AIR 1 skid-pad ● AIR 1 CAE ● Sportsmanship award 	
BAJA SAE INDIA 2023	Dr. C. S. Dharankar Prof. Shahid Ali I.A	Resonance Racing <ul style="list-style-type: none"> ● M-BAJA ● AIR 5 Overall ● 2nd in VDE Maneuverability ● 3rd in VDE All Terrain Performance ● 1st in Physical Maneuverability ● 2nd in Suspension & Traction ● 3rd in Overall Dynamics ● 5th Overall 	
SAE E-BAJA 2022-23	Dr. A.A. Apte Prof. V. S. Ponshe	Resonance Racing E-BAJA <ul style="list-style-type: none"> ● AIR 2 4WD Vehicle ● AIR 2 Engineering Design Award ● AIR 3 Maneuverability ● AIR 4 in Virtual Dynamic Maneuverability Event ● AIR 5 in Virtual Dynamic All Terrain Performance Event ● AIR 5 Overall 	

Few good photographs related to students' achievements



Resonance Racing Go-Kart Award Ceremony



Team Resonance racing E-BAJA

7. SUMMARY

AND SWOC ANALYSIS

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

Sr. No.	Details
1	The Department received NBA Accreditation for 3 years . The visit was held on 26-28 May 2023.

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

FACULTY	ACTIVITY

7.3 FEEDBACK FROM STAKEHOLDERS

Sr No	Stake holder	Number of Feedbacks Received	Overall Feedback
1	Alumni	41	
2	Parents	18	
3	Employers	06	
4	Students		

7.4 TWO BEST PRACTICES FOLLOWED IN THE DEPARTMENT

Involvement of students in clubs, chapters

Soft skill training

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	Experienced, committed and qualified faculty
2	Well equipped laboratories
3	Good faculty retention ratio
4	Adequate non teaching staff members
5	Good students Projects

Weaknesses:

1	No consultancy
2	No sponsored projects
3	Less quality publications
4	Less financial power to HOD
5	No industry sponsored lab

Opportunities:

1	Qualification up-gradation of faculty
2	Acquiring funds for Sponsored research
3	Establishing MoU with Core Industries

4	Promoting the spirit of Entrepreneurship
5	Establishing a strong connect with Alumni students

Challenges

1	Competition with other institutes to attract meritorious students
2	Placement of students in core companies
3	Obtaining stakeholders' involvement for improving the teaching learning processes
4	
5	

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

1	To apply for autonomy
2	To increase MOUs signed with industries
3	To fetch consultancy from industry
4	
5	

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

Area	Initiatives
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Academics and overall profile of Department	The faculty members are instructed to follow the academic schedule of tests and assignments. They encourage the students to participate in intercollegiate technical activities like paper presentation, poster competition and quizzes. Students are encouraged to go for industrial implant training and get industry sponsored projects.
Organization of different activities	Students organize several activities and conduct it successfully. Also FDPs and workshops are arranged.
Research and Innovation	The faculty members publish articles in reputed journals, and attend FDPs conferences for upgradation. Faculty members have published patents.
Industry institute Interaction	The OFOI culture is very useful. The industries support in visit permission and sharing of personnel for expert talks
Students' Achievements	Students are encouraged to enroll for various certification courses like NPTEL, Coursera, Udemy. Our students also work in Efficycle, BAJA team. They also participate in cultural and sports activities.

SUMMARY SHEET (Annual)

Sr No	Activity/ Item	Numbers
PROFILE OF DEPARTMENT		
01	Students in the department	
FACULTY CONTRIBUTION		
02	e content developed by faculty and available online	
03	Number of FDP/STTP attended by the department faculty	

04	Number of Seminars/ workshops/ webinars attended by the department faculty	
05	Number of Conferences/ symposiums attended by the department faculty	
06	Number of Online courses / certificate courses completed by department faculty	
07	Number of extension lectures / webinars (Lectures delivered on other than technical topics))	
08	Number of Faculty served as resource person, expert, chairperson	
ACTIVITIES ORGANISED		
09	Number of FDP/STTP organized by the department	
10	Number of Seminars/ workshops/ webinars organized by the department (for faculty)	
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)	
13	MOU signed with academic and professional organizations	
14	Number of Students' chapters /clubs	
15	Number of Social activities organized	
16	Number of Parent meeting	
17	Number of Alumni meet	
18	Number of student counseling and career guidance at the department level	
RESEARCH CONTRIBUTION		
19	Number of Funded research project	

20	Number of Testing and consultancy	
21	Number of Patents, copyright, trademark and other (IPR)	
22	Number of Papers published/ presented in proceedings of conferences	
23	Number of Papers published in journals	
24	Number of Book/ article publications	
25	Total Research citations	
26	Number of ME awarded	
27	Number of PhD AWARDED	
	INTERACTION WITH INDUSTRY	
28	Number of Industrial visits organised	
29	Number of Expert lectures delivered by industry experts	
30	Number of Industry –sponsored projects (UG/PG)	
31	Number of MOU signed with industry	
32	Number of Faculty members undergone industrial training	
33	Number of Students undergone in-plant training and (or) internship programme	
34	Number of students placed	
35	Number of students qualified in the examinations	

Declaration by the Head of the Department

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

**Name and Signature
Head of Department**