



May 2026



Shram Sadhna Bombay Trust's College of Engineering & Technology, Bambhori, Jalgaon



Our Inspiration



Smt. Pratibhatai Patil
Former
President of India
&
Dr. D. R. Shekhawat
Former Chairman

VISION

To emerge as the leading Electrical Engineering department for inclusive development of students.

MISSION

To provide student-centered conducive environment for preparing knowledgeable, competent and value added electrical engineers.



Shri. Raosaheb Shekhawat
Chairman & Managing Trustee

Department of Electrical Engineering

SHOCKWAVES (Newsletter) Volume-23 Issue-02

PROGRAM OUTCOMES(POs)

1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems
2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES(PSOs)

1	Apply principles of engineering, electronics and computer science; basic science, mathematics (including differential equations, discrete mathematics and linear algebra) and laboratory skills for building, testing, operation and maintenance of electrical systems.
2	Model, analyse, design, and realize physical systems, components or processes related to electrical engineering systems.
3	Be prepared to work professionally in power systems engineering, control systems engineering and software industries.

MoU Signed by Department

A Memorandum of Understanding (MoU) is a formal agreement between two or more parties. Companies and organizations can use MoUs to establish official partnerships.

Purpose of MoU

The purpose of Department MoU with Industry can minimize the gap between learning and carrier opportunity. The industry has many new technology requirements, so **Industry-Academic Interaction** plays a vital role in the **Placements and Carrier growth for the students**. We have signed MoU with the following Academic and industry Institutes. The MoU is intended to recognize the general basis for a cooperative and a collaborative working relationship between the two parties. The purpose of MoU is to have mutual intentions to jointly work on projects required for industries and research needs, with learned faculty of good industrial experience and promising students, jointly agree to exchange their expertise for mutual benefit and growth, on the areas specified below:

- Industrial Visits
- In-plant Training & special Technical Training to make the students industry-ready
- Guest Lectures
- Mini Projects and Main Project Work
- Research & Development
- Problem Solving
- Studies & Survey
- Placements
- Internships

S.N.	Name of Institute/Industry	Date of Signed MoU	Duration of MoU
1	ELEMCH ENGINEERS, E-48,59,50,57/4/1/4, MIDC Dhule 424006	16 th Jan , 2025	Two Years
2	Automation Services & Prolific Systems & Technologies Pvt. Ltd. PLC & SCADA Automation Training, 36, Preet Chamber, Mumbai-Pune highway, Wakadewadi, Shivajinagar, Pune -411003, Maharashtra	28 th Oct , 2024	Two Years
3	Trans Electrical, E-17 /4, MIDC Jalgaon 425003	28 th Oct , 2024	Two Years
4	Electrosoft System, PLC SCADA Automation Training Institute, 1st Floor Gokul Building Dnyaneshwar Padyka, FC Road Shivajinagar,	20 th Mar 2025	Two Year

Activities Conducted

ADD-ON Course “Recent trends in Electrical Engineering

Date and Venue/ Location	02nd to 04th Feb 2026 Electrical Engineering Department
AIM/Purpose	The purpose of Add-On Course to provide career oriented course and bridge the gap curriculum. The aim of the program is to disseminate knowledge about recent trends in electrical engineering for Sustainable development.
Objectives	To provide recent trends in Distributed Generation, Power Quality issues, recent trends & challenges in power system protection for Smart Grid and application of Industrial Automation, AI and ML in Power systems.
Participants	53 students TE and BE
Outcome	After successful completion of this course the student will be able to: <ol style="list-style-type: none"> 1. Understand the recent trends in electrical Engineering. 2. Understand concept and issue of power quality. 3. Understand concept of power system protection and challenges of power system protection in smart grid. 4. Understand the application of AI&ML in electrical Engineering 5. Understand the Vision India 2047.
Description about the program	This course mainly focuses on background and fundamental building blocks of smart grid with stringent emphasis on practical applications in the existing power system network. Power quality and power system protection in smart grid. This also emphasizes on present energy scenario and renewable energy source integration in present grids. The course also provide the knowledge of Industrial Automation, AI&ML in Electrical Engineering.
Contents	Energy scenario in India, issues of power quality, Application of Industrial Automation, AI& ML in electrical Engineering, Introduction to Smart Grid Standards for Smart Grid System Elements and Technologies of Smart Grid System, Distributed Generation Resources, Smart Grid Protection

Activities Conducted

ADD-ON Course "Recent trends in Electrical Engineering"



Activities Conducted

Industrial Visit

The visit on 11th Feb 2026 132kV Substation, MSETCL the knowledge industry organization, new trends in manufacturing, maintenance and safety. The industrial visit provide the practical visualization of theoretical study of various engineering subject.

The main objective behind these visits is to explain the working of industrial equipments in running conditions to the students and tell them about the expectations of the industrialists from the fresh engineers. Third Year and Final Year Students with Four Faculty visited in this Substation and learn more practical about substation component its working and live demonstration. Departments of Electrical Engineering SSBT's COET is most Thanks full to MSETCL for Providing a Platform to our student for Practice Understating. Specially Thanks to Mr.and Mr Sulenman Tadvi for Sharing Valuable knowledge and time for us.



Sports

All India Inter University



Ms.Aishwarya Vijay Patil

Game:- Ball Badminton

Duration:- 11 to 15 Feb 2026

Location:- Chennai

All India Inter University

Ms. Aishwarya Vijay Patil

Game:- Softball

Duration:- 2 to 10 Feb 2026

Location:- Amravati

All India Inter University



Academics Achievements

Three Faculties of Department Successfully Completed 3 Swayam NPTEL Course May 2026

Sr.No	Name Of Faculty	Course Name	No of Week
1.	Mr. M. M. Ansari	Recent Advance in Transmission Insulation	08
2.	Mr.V.S Pawar	Control Engineering	12
3.	Dr. R. R. Karhe	Signal Processing Technique and Its Applications	12

Activities Conducted

"Paper Presentation Milestone 2K26"

23rd Feb 2026 Department of Electrical Engineering

Objectives of Program

1. To develop students' presentation skills, reading habits, research abilities, confidence, technical writing & self-learning awareness
2. To promote innovation, creativity, remove stage fright & improve communication skills among diploma students
3. To enhance students overall technical & general knowledge

Best paper Awards

Mr Himanshu D Sali and Miss Jayshree K Kumbhar

"AI Based Power System: Smart Grid."

2. Miss Vaishuvi R Nikam and Miss Bhakti R Nikam

"AI in Power System".

Outcome:

Understand literature survey for selection of seminar topics.

Apply knowledge of mathematics, science, and engineering for effective presentation of selected topic.

Communicate effectively and Knowledge of contemporary issues.

Identify, formulate, and solve engineering problems by understanding professional and ethical responsibility.

Paper Topics

Students should present paper on recent trends in Engineering and Technology. We invite you to submit paper in any of the tracks listed below, but not limited to:

1. AI based Power Station.
2. IT Integration in Electrical Engineering.
3. Supervisory Control and Data Acquisition (SCADA) Systems in Power Stations.
4. Signal Processing and image processing



Placement 2025-26

Sr. No.	Name of student placed	Name of the employer		Pay Package at appointment (LPA)
1	Amrutkar Harshada Pradip	1	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
2	Badhe Mukta Rajendra	2	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
3	Bavaskar Devashish Vinod	3	DRT FLY Pvt. Ltd., Amalner	2.4
		4	Kaystar Industrial Control Pvt Ltd. Asangon	2.64
4	Bhosale Mohit Narendra	5	Essem Auto Electrical Pvt. Ltd., Pune	2.4
		6	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
		7	DRT FLY Pvt. Ltd., Amalner	2.4
		8	Warner Electronics, Chh. Sambhajinagar	2.34
		9	Kaystar Industrial Control Pvt Ltd. Asangon	2.64
5	Borse Prashant Santosh	10	Essem Auto Electrical Pvt. Ltd., Pune	2.4
		11	DRT FLY Pvt. Ltd., Amalner	2.4
		12	Premier Seals Pvt Ltd. Pune	3.6
6	Borse Shivam Ravindra	13	Essem Auto Electrical Pvt. Ltd., Pune	2.4
		14	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
		15	DRT FLY Pvt. Ltd., Amalner	2.4
		16	Warner Electronics, Chh. Sambhajinagar	2.34
		17	Premier Seals Pvt Ltd. Pune	3.6
		18	Kaystar Industrial Control Pvt Ltd. Asangon	2.64
7	Chaudhari Chetana Rajendra	19	Warner Electronics, Chh. Sambhajinagar	2.34
		20	Premier Seals Pvt Ltd. Pune	3.6
		21	Essem Auto Electrical Pvt. Ltd., Pune	2.4
		22	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3

Placement 2025-26

8	Chaudhari Harsh Pramod	21	Essem Auto Electrical Pvt. Ltd., Pune	2.4
		22	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
		23	DRT FLY Pvt. Ltd., Amalner	2.4
		24	Warner Electronics, Chh. Sambhajinagar	2.34
9	Erande Ankita Sandip	25	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
10	Jagdale Machhindra Sainath	26	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
		27	DRT FLY Pvt. Ltd., Amalner	2.4
		28	Warner Electronics, Chh. Sambhajinagar	2.34
		29	Kaystar Industrial Control Pvt Ltd. Asangon	2.64
11	Jaiswal Aashika Rajesh	30	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
12	Khachane Hemal Ritesh	31	Warner Electronics, Chh. Sambhajinagar	2.34
		32	Premier Seals Pvt Ltd. Pune	3.6
		33	Kaystar Industrial Control Pvt Ltd. Asangon	2.64
13	Khambayat Komal Chandrakant	34	Warner Electronics, Chh. Sambhajinagar	2.34
14	Khavde Bhavesh Supdu	35	Essem Auto Electrical Pvt. Ltd., Pune	2.4
		36	DRT FLY Pvt. Ltd., Amalner	2.4
15	Khawade Gajanan Vinod	37	DRT FLY Pvt. Ltd., Amalner	2.4
		38	Warner Electronics, Chh. Sambhajinagar	2.34
16	Koli Chetan Kailas	39	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
		40	DRT FLY Pvt. Ltd., Amalner	2.4
		41	Warner Electronics, Chh. Sambhajinagar	2.34
		42	Kaystar Industrial Control Pvt Ltd. Asangon	2.64
17	Kumbhar Jayshree Kailas	43	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3

Placement 2025-26

17	Kumbhar Jayshree Kailas	43	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
18	Lohar Nikita Dinesh	44	DRT FLY Pvt. Ltd., Amalner	2.4
		45	Warner Electronics, Chh. Sambhajinagar	2.34
		46	Premier Seals Pvt Ltd. Pune	3.6
		47	Kaystar Industrial Control Pvt Ltd. Asangaon	2.64
19	Lohar Vaishnavi Ramkrushna	48	Essem Auto Electrical Pvt. Ltd., Pune	2.4
		49	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
20	Mahajan Chetan Suklal	50	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
		51	DRT FLY Pvt. Ltd., Amalner	2.4
		52	Warner Electronics, Chh. Sambhajinagar	2.34
21	Mahajan Ritika Sandip	53	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
		54	DRT FLY Pvt. Ltd., Amalner	2.4
22	Mali Shubham Vinayak	55	Essem Auto Electrical Pvt. Ltd., Pune	2.4
		56	Warner Electronics, Chh. Sambhajinagar	2.34
		57	Premier Seals Pvt Ltd. Pune	3.6
23	Marathe Yogesh Pravin	58	DRT FLY Pvt. Ltd., Amalner	2.4
24	Narkhede Vaishnavi Gajannan	59	Essem Auto Electrical Pvt. Ltd., Pune	2.4
		60	DRT FLY Pvt. Ltd., Amalner	2.4
		61	Warner Electronics, Chh. Sambhajinagar	2.34
25	Patil Neha Dhananjay	62	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
26	Patil Rushikesh Vishal	63	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
		64	DRT FLY Pvt. Ltd., Amalner	2.4
		65	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3

Placement 2025-26

27	Patil Sangramsing Chandu	65	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
		66	DRT FLY Pvt. Ltd., Amalner	2.4
		67	Warner Electronics, Chh. Sambhajinagar	2.34
28	Patil Snehal Arun	68	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
29	Patil Unnati Muralidhar	69	DRT FLY Pvt. Ltd., Amalner	2.4
		70	Premier Seals Pvt Ltd. Pune	3.6
30	Rajput Riya Jaideep	71	Essem Auto Electrical Pvt. Ltd., Pune	2.4
		72	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
		73	DRT FLY Pvt. Ltd., Amalner	2.4
		74	Kaystar Industrial Control Pvt Ltd. Asangaon	2.64
31	Rathod Sawan Kiran	75	Essem Auto Electrical Pvt. Ltd., Pune	2.4
		76	DRT FLY Pvt. Ltd., Amalner	2.4
		77	Warner Electronics, Chh. Sambhajinagar	2.34
32	Sali Himanshu Deelip	78	Essem Auto Electrical Pvt. Ltd., Pune	2.4
		79	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
		80	DRT FLY Pvt. Ltd., Amalner	2.4
		81	Warner Electronics, Chh. Sambhajinagar	2.34
33	Shelke Manoj Supdu	82	DRT FLY Pvt. Ltd., Amalner	2.4
		83	Warner Electronics, Chh. Sambhajinagar	2.34
32	Shirode Vaishnavi Sanjay	84	Essem Auto Electrical Pvt. Ltd., Pune	2.4
		85	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
		86	DRT FLY Pvt. Ltd., Amalner	2.4
35	Shivade Twinkal Babu	87	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3

Placement 2025-26

35	Shivade Twinkal Bapu	87	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
36	Sonawane Dinesh Dayaram	88	Warner Electronics, Chh. Sambhajinagar	2.34
37	Sultane Sonal Anil	89	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
38	Vispute Kalyani Dhananjay	90	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
		91	DRT FLY Pvt. Ltd., Amalner	2.4
		92	Warner Electronics, Chh. Sambhajinagar	2.34
39	Wankhede Dipak Kishor	93	DRT FLY Pvt. Ltd., Amalner	2.4
		94	Warner Electronics, Chh. Sambhajinagar	2.34
		95	Kaystar Industrial Control Pvt Ltd. Asangaon	2.64
40	Waykole Veena Sunil	96	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3
41	Borse Shubham Bharat	97	Dhoot Automotive System Pvt. Ltd., Sambhajinagar	3



