



Marathwada Mitra Mandal's
COLLEGE OF ENGINEERING, PUNE

Permanently Affiliated to SPPU | Accredited with A++ grade by NAAC | Recipient of Best College award by SPPU
Accredited by NBA (Electrical and Mechanical Engg.) | Recognized under 2(f) and 12(B) of UGC Act 1956

Department of Electrical Engineering
"Where Ideas Spark and Technology Connects"

ELECTROBUZZ

A Quarterly E-Newsletter
Volume: 16 Issue 15, December 2025

Faculty Editor: Mr. Nikhil S. Shelke

Student Editor: Mr. Pranav Kamble

HOD's Desk



Dear Readers,

Greetings!!!

It gives me immense pleasure to address the budding engineers of Electrical Department. MMCOE has provided excellent opportunities for the students to fulfill their dream of becoming an engineer. The electrical department contributes towards the same and strives hard to harness the hidden potential of the students by continuously motivating them by providing various platform. We ignite the spark in students and keep it alive by providing them exposure to various software tools, well equipped laboratories, and interaction with industry experts and extensive hands-On.

With Autonomous status for MMCOE from June 2024, Department has modified curricular syllabus which showcase more inputs from Industry Experts.

Each issue of newsletter is a milestone and it highlights the growth of the department through the achievements of faculty and students. Education gives to the world a technocrat, but if it is rightly molded with sports, technical activities, and self-developments then it gives a good human being. These innovative skills of both faculty and students highlighted in the newsletter, presents the overall development of the department. I congratulate all along with the editorial team of the newsletter for the hard work and dedication in achieving the targets. I wish good luck to all the students, faculty and staff.

Dr. M. A. Deshpande
HoD Electrical Dept.



MARATHWADA MITRA MANDAL'S

COLLEGE OF ENGINEERING

An Autonomous Institute | Approved by AICTE New Delhi
Recognised by Directorate of Technical Education Mumbai
Affiliated to Savitribai Phule Pune University

- NAAC Accredited with A++ Grade
- NBA Accredited
- 'Best College Award 2019' by SPPU

Department of Electrical Engineering***Vision***

To be center of excellence in electrical engineering by developing globally skilled professionals through innovation, sustainability and technological growth.

Mission

- M1: To provide quality education in electrical engineering through multidisciplinary, practical and industry oriented learning.
- M2: To develop ethical and skilled engineers with expertise in emerging electrical technologies.
- M3: To nurture lifelong learning and adaptability for addressing global, societal and future challenges.

Program Educational Objectives (PEO)

Engineering Graduates will be able to:

- PEO1: Impart innovation and core knowledge to identify, analyze and solve the electrical engineering problems.
- PEO2: Excel in Research and enhance their industry oriented professional skills.
- PEO3: Demonstrate leadership qualities to lead diverse teams and exhibit commitment towards societal and global needs.


Program Specific Outcomes (PSOs)

After successfully completing the degree program. Electrical engineering graduates will be able to:

- PSO1: Design and validate efficient electrical system through core and professional skills .
- PSO2: Exhibit multidisciplinary skills in the area of Robotics, AI and Machine Learning for Electrical engineering applications.
- PSO3: Formulate sustainable solutions for research in societal and industrial needs pertaining to green technology.

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Karvenagar, Pune- 411052




Teaching Staff: -

Sr.No.	NAME & PHOTO	QUALIFICATION	DESIGNATION	EXPERIENCE
1.	 Dr. M. A. Deshpande	PhD	Professor & HOD	30 Years
2.	 Dr. A. V. Satpute	PhD	Associate Professor	15 Years
3.	 Dr. V. S. Bugade	PhD	Associate Professor	24 Years
4.	 Dr. S. N. Thakur	PhD	Assistant Professor	22 Years
5.	 Mr. A. M. Suryawanshi	M.E.	Assistant Professor	10.5 Years

6.	 Ms. P. D. Deshmukh	M.E.	Assistant Professor	10.4 Years
7.	 Mr. A. K. Lohate	M.E.	Assistant Professor	8.7 Years
8.	 Mr. A. T. Ingle	M.E.	Assistant Professor	12 Years
9.	 Mr. S. S. Patil	M. Tech. PhD Pursuing	Assistant Professor	6.5 Years
10.	 Mr. S. S. Nimbalkar	M.E.	Assistant Professor	33 Years

11.	 Mrs. D. M. Lohiya	M. Tech. PhD Pursuing	Assistant Professor	15 Years
12.	 Mrs. R. P. Kelapure	M.E.	Assistant Professor	15.2 Years
13.	 Mr. N. S. Shelke	M. Tech.	Assistant Professor	9 Years

Non-Teaching staff:

Sr. No.	Name	Qualification	Designation	Experience in yrs.
1	 Mr. S. B. Somwanshi	B.E. (Electrical)	Lab Assistant	7 Years
2	 Mr. S. S. Bhise	MCVC, B.A.	Lab Assistant	10 Years
3	 Mr. A. S. Patil	I.T.I. IVTVT	Lab Assistant	31 Years

➤ **Workshop organized by Department:**

Sr. No.	Workshop	Participants	Conducted on
1	30 days GTT foundation training program on Electric Vehicle	50	06/10/2025
2	Solar PV by WAAREE	71	30/09/2025



➤ **FDP & Workshop Attended by Department Faculty:**

Sr. No.	Workshop	Participants	Conducted on
1	High Temperature Insulations by "IEEMA"	02	14/11/2025
2	NEP 2020 Orientation and Sensitization Programme by Malaviya Mission	04	09/12/2025
3	NCBP on Research & Publications IIT Dharwad	07	08/12/2025
4	Faculty Industrial training	08	15/06/2025
5	Bechtel training Program	25	14/11/2025
6	IEEMA delegation Visit to C4i4 Lab	02	13/12/2025



➤ Industrial Visit:

Sr. No.	Industrial Visit	Participants	Conducted on
1	Serum Institute 220kv/22kv H.T. MSEDCCL Substation	65	11/10/2025
2	HVDC Padghe, Mumbai	45	30/09/2025
3	Ramakant Electricals, Pune	44	18/09/2025



➤ Expert Lectures:

Sr. No.	Details of Session	Participants	Conducted on
1	"The Entrepreneurial Fire" ITM Course	38	08/10/2025
2	Power Electronics & EV	54	13/10/2025
3	Power System & Digitization	40	31/10/2025
4	Human Rights: Professional Ethics	34	14/10/2025
5	Solar PV by Waaree Energy ltd.	71	30/09/2025
6	Trade related aspects of IPR	50	10/09/2025



➤ NEW LAB SETUP:

Sr. No.	LAB Details
1	EV Lab
2	WAAREE Energy Solar BOS Prototype Lab



➤ **EESA Activity:**

Sr. No.	Activity	Participants	Conducted on
1	Dusherra Puja	70	01/10/2025
2	Shree Ganesh Festival Celebration	35	29/08/2025
3	Visit to Shiv-Srushti, Ambegaon	65	11/10/2025



➤ Online certification courses completed by students:

Sr. No.	Name of NPTEL Course
1	Developing soft skill and personality
2	Soft Skill Development
3	Power system protection and Switchgear
4	LaTeX training



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
ANUSHKA NIRANJANA KULKARNI
for successfully completing the course

Soft Skill Development

with a consolidated score of **80** %

Online Assignments	23.04/25	Proctored Exam	57/75
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Total number of candidates certified in this course: 11786

Jul-Sep 2025
(8 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL25HS142S345400419 To verify the certificate No. of credits recommended: 2 or 3



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
GAURI
for successfully completing the course

Soft Skill Development

with a consolidated score of **78** %

Online Assignments	15.25/25	Proctored Exam	62.25/75
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Total number of candidates certified in this course: 11786

Jul-Sep 2025
(8 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL25HS142S345401761 To verify the certificate No. of credits recommended: 2 or 3



Certificate for the Completion of LaTeX Training

This is to certify that **GAURI PACHPOR** has successfully completed **LaTeX** test organized at **Marathwada Mitra Mandal's college of Engineering** by **PREETI JOSHI** with course material provided by **EduPyramids, SINE, IIT Bombay**. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

AJAY INGLE from **Marathwada Mitra Mandal's college of Engineering** invigilated this examination. This training is offered by **EduPyramids, SINE, IIT Bombay**.

Credits: 2 Score: 63.33%

25 September 2025

Prof. Kamalini M. Mungundya
Inventor, Spoken Tutorial
Director, EduPyramids, SINE, IIT Bombay

Spoken Tutorial developed at IIT Bombay

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Certificate for the Completion of LaTeX Training

This is to certify that **ANUSHKA KULKARNI** has successfully completed **LaTeX** test organized at **Marathwada Mitra Mandal's college of Engineering** by **PREETI JOSHI** with course material provided by **EduPyramids, SINE, IIT Bombay**. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

AJAY INGLE from **Marathwada Mitra Mandal's college of Engineering** invigilated this examination. This training is offered by **EduPyramids, SINE, IIT Bombay**.

Credits: 2 Score: 85.00%

25 September 2025

Prof. Kamalini M. Mungundya
Inventor, Spoken Tutorial
Director, EduPyramids, SINE, IIT Bombay

Spoken Tutorial developed at IIT Bombay

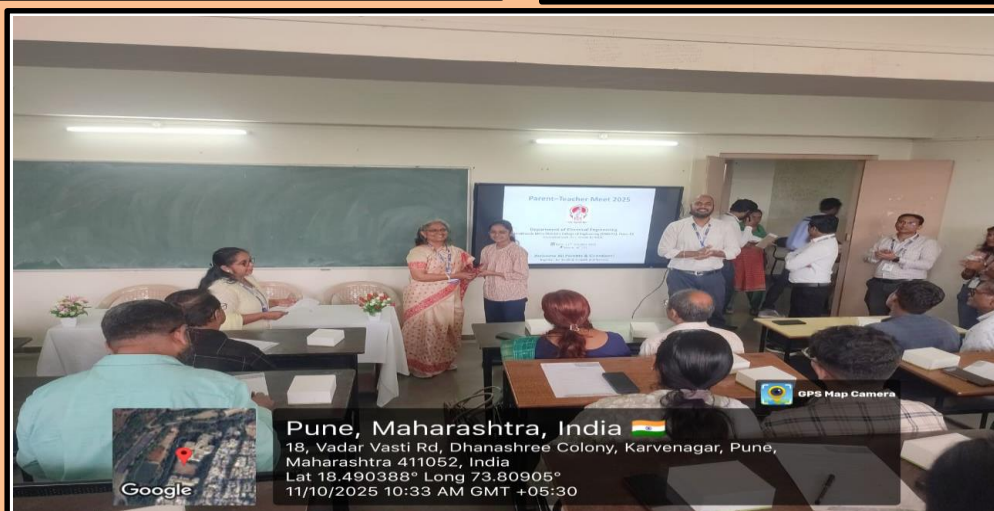
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➤ MoU's with Industry:

Sr. No.	Industry Name	Conducted On
1	Erigo Energy Solutions Pvt. Ltd., Pune	27/09/2025
2	Fast Earthing Enterprises, Pune	30/09/2025
3	SK Energy, Pune	06/10/2025



➤ Parent Teacher Meet Conducted on 11/10/2025



➤ Community Engagement Program:

Sr. No.	Activity	No. of Participants	Conducted on
1	Visit to Creative People NGO	50	13/10/2025
2	Visit to Vandevi Temple & Hingane Home Colony for Safety Awareness & Cleaning Program	50	31/10/2025



➤ Faculty Achievements (Patents & Book Publications):

Sr. No.	Patent/Book Name	Guide/Author Name	No. of student Participants
1	Solar panel cleaning Robot	Dr. Mrunal Deshpande , Dr. Vilas Bugade	11
2	Smart Earthing Monitoring & Alert System	Dr. Mrunal Deshpande , Dr. Vilas Bugade	12
3	Fuzzy graph theory in Healthcare Management	Dr. Supriya Thakur	10
4	Cryptography & Network Security	Dr. Supriya Thakur, PKS Publications, Delhi	-

➤ Student Achievement:

Our S.Y. B. Tech. student Ms. Gauravi Gudewar has been selected as a Nxtwave Scholarship Fellow at CCBP 4.0 Academy and Awarded with 1.60 lakh Scholarship for four Years.



➤ Placements till Date:

Sr. No.	Name of Students	Name of Employer	Package (LPA)
1	Jadhav Suyash Santosh	Metecno India	4.2
2	Jamadar Tejas Pravin	Metecno India	4.2
3	Bhange Deeksha Abhijeet	Infosys	3.6
4	Nirantar Shradha Shivajirao	Infosys	3.6
5	Jadhav Harshali Sshivaji	Fox Solutions Pvt. Ltd.	4.2
6	Raut Sanskar Sanjay	Ramelex Pvt. Ltd.	2.5