



**SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING
SHEGAON - 444203 (M.S., INDIA)**

DEPARTMENT OF ELECTRICAL ENGINEERING

Institution of Engineers (India)

Department of Electrical Engineering Students' Chapter

Newsletter

2024-25 Autumn Semester (Volume: 10; Issue: 1)



VISION OF DEPARTMENT

**To impart high quality education and excel research in
Electrical Engineering to serve the global society**

MISSION OF DEPARTMENT

- 1. To develop excellent learning center through continuous interaction with Industries, R&D centers and Academia.**
- 2. To promote excellence in teaching and research.**
- 3. To produce competent, entrepreneurial and committed Electrical Engineers with high human values for professional career and higher studies.**

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Graduates, within five years after graduation, should demonstrate

- 1. PEO 1: Expertise and use it for problem solving in analysis & design of electrical system.**
- 2. PEO 2: Commitment in the engineering profession or other professional careers with high human values.**
- 3. PEO 3: Lifelong learning and adapting to a constantly changing field through graduate work, professional experience and self-study.**
- 4. PEO 4: Leadership and initiative to ethically advance professional and organizational goals and facilitate the achievements of others.**
- 5. PEO 5: Teamwork to commitment for working with others of diverse cultural and interdisciplinary backgrounds.**

STUDENT ACHIEVEMENTS



Ms. Jayashri Shetye, student of Final Year Electrical Engineering, won Gold Medal at the Khelo India Beach Games held at Diu.



Ms. Amruta Patil, student of Final Year Electrical Engineering, secured First Position in Mehendi Competition at Youth festival, SGBAU Amravati.

FACULTY PUBLICATIONS

- ✚ Dr. S. R. Paraskar published a technical book entitled - Control Strategies for Cuk Converters in DC – DC Drive Applications.
- ✚ Dr. A. U. Jawadekar published a technical paper entitled - Development Of Different Control Strategies For Hybrid Energy Storage Systems in Electric Vehicles in 2nd IEEE Conference on Artificial Intelligence and Quantum Computation - Based Sensor Applications (ICAIQSA-2024)
- ✚ Dr. A. U. Jawadekar published a technical paper entitled - Optimization Techniques Using Battery, Supercapacitor And Fuel Cell Hybrid Energy Storage in the South Eastern European Journal of Public Health (SEEJPH).
- ✚ Dr. A. U. Jawadekar published a technical paper entitled - Enhanced Energy Management Techniques For FuelCell/Battery/Ultracapacitor Hybrid Electric Vehicle Based On Different Control Strategy in Journal of Electrical Systems.
- ✚ Mr. G. N. Bonde, Dr. S. R. Paraskar, Dr. S. S. Jadhao, Dr. R. S. Kankale published a technical paper entitled - A Novel Algorithm for Classification of Voltage Sag Causes Using Alienation Coefficient and Power Quality Index in ECTI Transactions on Electrical Engineering, Electronics, and Communications (ECTI-EEC).
- ✚ Mr. M. R. Chavan, Dr. A. U. Jawadekar published a technical paper entitled - An Induction Motor Fault Diagnosis Using Space Phasor Method and Artificial Neural Network in Journal of Information Systems Engineering and Management.
- ✚ Mr. G. N. Bonde, Dr. S. R. Paraskar, Dr. S. S. Jadhao, Dr. R. S. Kankale, Mr. V. S. Karale published a technical paper entitled - Classification of Voltage Sag Events Arising from Di-verse Causes Using Signal Processing and Soft Computing Technique in Proceedings of Fourth International Conference on Computing and Communication Networks.
- ✚ Mr. P. R. Dhabe, Dr. S. R. Paraskar, Dr. S. S. Jadhao published a technical paper entitled - A Comprehensive Analysis of the Open-Circuit Voltage (OCV) Method for the Estimation of State of Charge in Transactions of the Indian National Academy of Engineering.
- ✚ Mr. G. N. Bonde, Dr. S. R. Paraskar, Dr. S. S. Jadhao, Dr. R. S. Kankale, Mr. V. S. Karale published a technical paper entitled - A Novel Approach for Voltage Sag Cause Identification Using V-V Plane with Soft Computing in International Conference on Sustainable Power & Energy (ICSPE).
- ✚ Mr. G. N. Bonde, Dr. S. R. Paraskar, Dr. S. S. Jadhao, Dr. R. S. Kankale, Mr. V. S. Karale published a technical paper entitled - Integrating Hilbert Transform and KNN for Accurate Voltage Sag Cause Identification in International Conference on Applications of Engineering for Sustainable Development (ICAESD 2024).

SEMINARS / WORKSHOPS / TECHNICAL EVENTS



A One Week Training Programme on “Industrial Automation” organized by IEI- Electrical Department Students’ Chapter for B.E. Third Year Electrical Engg students, conducted by Prolific Systems & Technologies Pvt. Ltd., Nagpur during 17th – 23rd December 2024.



A Three-Day Training Program “Graphic Design on Canva” organized by IEI- Electrical Department Students’ Chapter for Shri Gajanan Maharaj English School Students, conducted by Department student coordinators during 27th – 29th August 2024.



A Four-Day Workshop on “AutoCAD” organized by IEI- Electrical Department Students’ Chapter for B.E. Final Year Electrical Engg students, conducted by CAD Hub, Chhatrapati Sambhajnagar during 20th – 23rd December 2024.



An Expert Lecture on “Angel Investment/ VC Funding opportunity for Early Stage Entrepreneurs” organized by IEI- Electrical Department Students’ Chapter for B.E. Second & Third Year Electrical Engg students, delivered by Mr. Shreekanth Patil, (Founder and CEO, Paramount Enterprises, Nashik) on 15th July 2024.

STUDENT TRAININGS / INTERSHIPS

- ✚ Thirty Three students from Second Year Electrical Engineering completed One Week Training “Green Hydrogen Plant Entrepreneur” at TATA POWER Skill Development Institute, Shahad during 25th to 29th November 2024.
- ✚ Thirty Eight students from Third Year Electrical Engineering completed One Week Training “Power System Awareness” at TATA POWER Skill Development Institute, Shahad during 6th to 11th January 2025.

STUDENT PLACEMENTS

Sr. No.	Name of the Company	No. of students placed	Name of the students placed	Package Offered in Lacks P.A.
1.	Krutanik Solution, Bengaluru	01	1) Prajwal Khokle	6.00
2.	Kidara Tech, Thane	01	1) Charul Palkar	6.00
3.	Schneider Electric India Pvt. Ltd., Mumbai	01	1) Samiksha Damdar	5.50
4.	Torrent Power Limited, Thane, Mumbai and Ahmedabad	12	1) Om Adhau 2) Prerna Wankhade 3) Sakshi Ghodke 4) Samiksha Damdar 5) Shankar Bondre 6) Sanket Fokmare 7) Tejas Khelkar 8) Uday Lande 9) Vaishnavi Chanekar 10) Akshay Dawange 11) Ankita Bharambe 12) Vaishnavi Pesode	4.50
5.	Fox Solutions Pvt. Ltd., Nashik	02	1) Abhishek Banait 2) Aysha Jadhav	4.02
6.	Hyosung T&D India, Pune	01	1) Revati Lulekar	3.60
7.	SCOPE T&M Pvt. Ltd., Pune	06	1) Arpit Giratkar 2) Ashish Gosavi 3) Nirmal Shinde 4) Pranali Asolkar 5) Prathamesh Wankhade 6) Shital Takalkar	3.00

IE(I) ELECTRICAL STUDENTS' CHAPTER

Student Name	Designation
Sarthak Paraskar	Chairperson
Ms. Sharvari Deshmukh	Vice Chairperson
Abhishek Manmode	Secretary
Dipak Ingle, Ayush Harne, Ms. Sayali Gawande, Ms. Prarthana Kale	Technical Advisor
Abhishek Adakane, Siddhesh Tambekar, Ms. Nisha Tayade, Ms. Sneha Jadhav	Program Manager
Ms. Sakshi Awkale, Ms. Nisarga Solanke, Shrijeet Telkar, Ms. Kanchan Gond	Publicity Manager
Harsh Fulare, Palash Belsare, Ms. Dipali Purane, Uddhav Kshirsagar	Resource Manager

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