

ELECTRICAL ENGINEERING

"We step up, we transform"

NEWSLETTER

July-December 2025 | Volume 17

Vision :

- To be an excellent learning center in Electrical Engineering providing long term benefits to the society

Mission of the Department:

- To impart knowledge in the field of Electrical Engineering using contemporary Learning tools
- To promote research culture among students and faculty
- To serve society with deep awareness of social responsibility and ethics
- To collaborate with industry for value addition in academics



FROM THE PRINCIPAL'S DESK

“ I’m glad to signify that AISSMS College of Engineering has completed 30 grand years of its establishment. AISSMS COE as an outcome of academic excellence achieved, is consistently producing University gold medalists and top rankers in different branches of engineering. Faculty is actively involved in research and development. College has number of very high-end analytical, computational and experimental facilities at the disposal of students. I wish all the best to the aspiring students, employers and all other stakeholders in achieving their goals.”

-Dr. D.S. Bormane



FROM THE HOD'S DESK

“ It gives me immense pleasure to find that the department newsletter team is striving very hard to ensure a good quality newsletter. The Newsletter provides a platform for the students to showcase their literary skills. All round the semester, the faculty members and student are organizing and participating in different technical, co-curricular, extracurricular and sports activities. These efforts are needed to be applauded and encouraged. This also gives an opportunity to connect with the alumni who are eagerly waiting to know the development in the department. I extend my best and sincere wishes to the editorial team. ”

-Dr. A.A. Apte

FROM THE EDITOR'S DESK

“ The Department’s Editorial Board proudly presents the latest edition of the Department Newsletter, highlighting the dynamic activities and advancements of the Electrical Engineering Department. Every achievement reflects dedicated teamwork and thoughtful planning carried out behind the scenes.

This edition captures key events and notable accomplishments from July 2025 to December 2025, showcasing the department’s continuous pursuit of academic and professional excellence. We extend our sincere gratitude to the editorial team and contributors whose commitment made this publication possible. ”

-Prof. S. Vadi

“No resistance can drop our potential”

EDITORS' BOARD

- Dr. D.S. Bormane (Principal)
- Dr. A.A.Apte (HOD)
- Prof.S Vadi (Faculty advisor)
- Vasundhara Nikam, BE
- Sairaj Amle, BE
- Shrawni Bhore, BE
- Aarti Nandure, SE

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411001

Visit us at: www.aiissmscoe.com



FACULTY ACHIEVEMENTS

DR. A. A. GODBOLE

- Certification: DC Microgrid & Control system
- Institution: NPTEL (National Programme on Technology Enhanced Learning)
- Grade: 80%



PROF. V.S. PONKSHE

- Certification: Power system Protection
- Institution: NPTEL (National Programme on Technology Enhanced Learning)
- Grade: 79%



PROF. V. N. TARANGE

- Certification: Basics of Digital Marketing
- Institution: Swayam Online Course Certification
- Grade: 77%



FACULTY ACHIEVEMENTS

PROF. R.S.SHINDE

Has completed his Certification in 'Technology Enabled Learning and Lifelong self Learning' of National Initiative for Technical Teachers Training under All India Council for Technical Education (AICTE)



PROF. S. H. MANE

- Certification: Engineering Economic Analysis
- Institution: NPTEL (National Programme on Technology Enhanced Learning)
- Grade: 63%



STUDENTS' ACHIEVEMENTS

DEPARTMENT REPRESENTATIVE IN GSA COMMITTEE

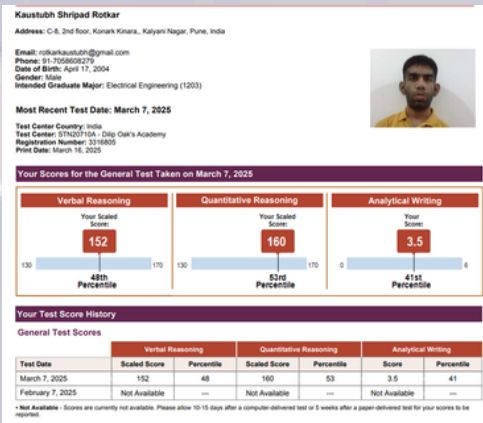
VASUNDHARA NIKAM (GENERAL SECRETARY)

YASH VISHWAKARMA (JOINT GENERAL SECRETARY)



STUDENTS' ACHIEVEMENTS

Kaustubh Rotkar from BE Electrical qualified GRE and IELTS exam with distinguished score.



Vaishnavi Shukla, T.E. Electrical Engineering student, was selected among the Top 10 teams at AtomQuest 2025 organized by Atomberg Technologies under the Smart India Hackathon (Internal).



A Student from SE Electrical Sharvari Parse participated in National Students Space Challenge at IIT Kharagpur held from 7th to 9th November 2025.

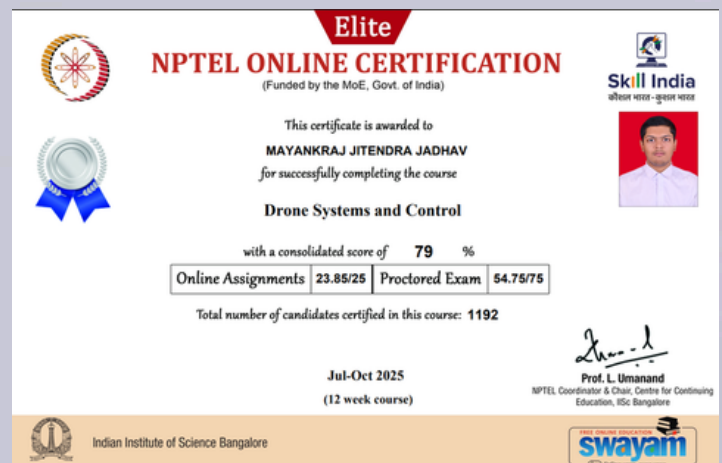


STUDENTS' ACHIEVEMENTS

Ayush Nahate, student from BE Electrical completed NPTEL Online Certification course in Power Analysis with scored 79%.



Mayankraj Jadhav, student from BE Electrical completed NPTEL Online Certification course in Drone System & Control with scored 79%.



Rutik Rathod, student from BE Electrical completed NPTEL Online Certification course in Power System Protection & Switchgear with scored 80%.



STUDENTS' ACHIEVEMENTS

Vasundhara Nikam and Shrawni Bhole students from BE Electrical participated in Zonal Level Research Project Competition 'AVISHKAR-2025' held at MES Abasaheb Garware College, Pune on 5th October 2025.

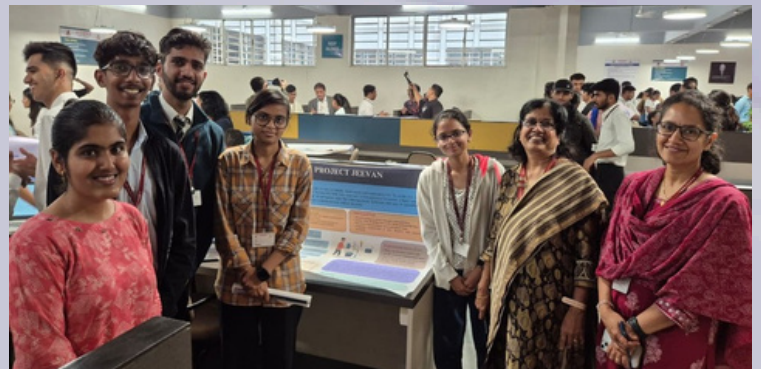


Sairaj Amle and Ujwal Dorik, students of B.E. Electrical Engineering, participated in the College Level Research Project Competition 'AVISHKAR-2025' held at AISSMS College of Engineering, Pune, on 5th October 2025.

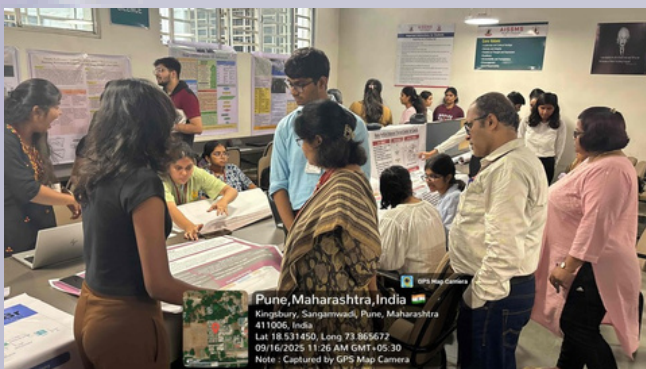


STUDENTS' ACHIEVEMENTS

Parth Khatavkar, Yash Vishwakarma, Vaishnavi Shukla, Apeksha Nighoskar and Sharvari Pathare students of T.E Electrical Engineering, participated in the College Level Research Project Competition 'AVISHKAR-2025' held at AISSMS College of Engineering, Pune, on 16th September 2025.



Samruddhi Bhosale and Aditya Bhalekar, students of S.E Electrical Engineering, participated in the College Level Research Project Competition 'AVISHKAR-2025' held at AISSMS College of Engineering, Pune, on 16th September 2025.



TECHNICAL ACTIVITIES

ENGINEERING TODAY 2025 - WATTS

The annual technical event of the AISSMS COE's Electrical department, a National level student Symposium was held for two days with three enthusiastic and mind-tingling activities planned which include:

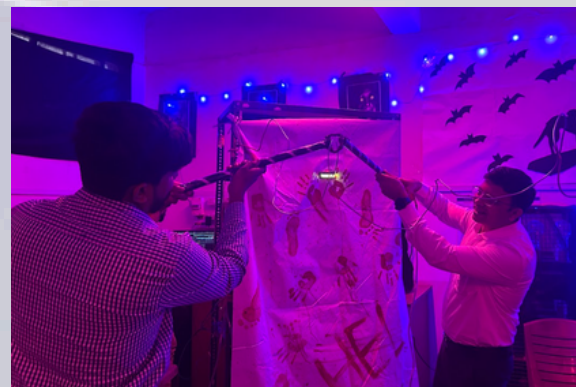
- **THE LASER WAR**

The event was organised on 29 & 30 September 2025 in which "License to kill: Laser War" competition having two teams. Each team consisting of 3 players. Both Team fight for saving their life and finding & destroying flag of opponent. It was coordinated by Prof. Sayali Paithankar.



- **SHOCK XSCAPE**

Shock Scape was organised on 29 th September 2025. Each Team had 3 players who complete their task by proper coordination. The Task include Guiding metal loop along wire without touching it testing skill and nerves is precision key. Event was coordinated by Prof. V.V.Kulkarni.



TECHNICAL ACTIVITIES

ENGINEERING TODAY 2025 - WATTS

- **TRAITORS AMONG US**

It was organised on 29th & 30th September 2025. It is a team-based strategy game played by 6 players divided into 2 teams of 3. In each team, one player is secretly a traitor and the others are loyal members. Players discuss, observe behavior, and vote to eliminate suspected traitors. Traitors secretly try to eliminate opponents without being caught. Loyal players win by eliminating all traitors, while traitors win by eliminating all loyal players or staying hidden till the end.. It was coordinated by Prof.R.Wani.



TECHNICAL ACTIVITIES

EXPERT LECTURES

On 8 October 2025 Department of Electrical Engineering organised guest lecture for SE, TE & BE students on topic of Emerging Trends in Electrical Engineering and Renewable Energy. The Expert for lecture was Mr. Dhirajkumar P. Madje ,Founder of Torpedo Engineering Services, Pune. He shared his early experiences with ETAP-based power system studies to becoming a leading figure in the field of solar PV design engineering and EHV substation projects.



On 15 July 2025, the Department of Electrical Engineering organized an expert lecture for BE Electrical students on “Emerging Trends in the Automation Sector.” The session, coordinated by Ms. S. S. Paithankar and delivered by Mr. Shrikant Bidwai, was attended by 53 students. The lecture highlighted Industry 4.0, IIoT, robotics, and AI in automation, linking academic learning with real industrial practices while offering project inspiration and career guidance.



TECHNICAL ACTIVITIES

EXPERT LECTURES

On 11 August 2025, the Department of Electrical Engineering organized a guest lecture for BE Electrical Term I students on “Applications of Control Systems,” coordinated by Dr. A. A. Godbole and delivered by Mr. Jaywant Kolhe, with 51 participants. The session introduced advanced robotics control, modeling techniques like LIPM, real-world control system case studies, and modern controller design, while also guiding students about career opportunities in DRDO and research fields, making the lecture both technically enriching and career-oriented.



On 14 October 2025, an expert lecture on “Industry Readiness: Soft Skills and Ethics for Engineers” was organized for TE Electrical students, coordinated by Prof. R. S. Shinde and delivered by Mr. Sajid A. Shaikh, with 44 participants.

The session emphasized soft skills, professionalism, and engineering ethics, preparing students for real industry expectations.



TECHNICAL ACTIVITIES

EXPERT LECTURES

On 11 July 2025, the Department of Electrical Engineering organized a guest lecture for SE Electrical Term I students on “Engineering Economics,” coordinated by Ms. S. H. Mane. The session was delivered by Dr. N. G. Shekapure, with 40 students participating.

The lecture introduced key concepts such as cost analysis, time value of money, and investment evaluation, linking economic principles with real electrical engineering projects and decision-making.



On 25 September 2025, the Department of Electrical Engineering organized a guest lecture for SE Electrical Term I students on “Energy Audits: Strategies for Efficient Energy Management,” coordinated by Ms. S. H. Mane. The session was delivered by Mr. A. Y. Mehendale, Energy Auditor, Engress Services, Pune, with 70 students participating.

The lecture covered energy audit methodologies, identification of inefficiencies, and practical strategies for energy conservation, providing students with real-world insights into efficient energy management and sustainability practices.



TECHNICAL ACTIVITIES

INDUSTRIAL VISITS

Department of Electrical Engineering had organized a visit under Analog and Digital Electronics subject for the students of SE Electrical to Chheda Electrical and Electronics Pvt. Ltd. on 4th of October 2025. This visit was organized and managed by Prof Mrs.V.N Tarange. The visit provided valuable insights into the functioning of a modern electrical manufacturing facility.



On 7th October 2025, the Electrical Department organized an industrial visit to TATA Hydropower Plant, Khopoli for the TE students. The visit was guided by Dr. V V Kulkarni and Mr. R. S. Shinde. The visit was an invaluable experience for the students. Students get brief idea of power generation using water as source of energy. Also visit provide insight about power generation and transmission.



Students of BE Electrical of AISSMS COE visited to State Load Dispatch Centre (SLDC), on 30th October 2025. Visit was organized by Prof. V.S.Pongshe. The main objective of the visit was to provide students with practical exposure to the real-time operation, monitoring, and control of the electrical power system in Maharashtra.



TECHNICAL ACTIVITIES

INDUSTRIAL VISITS

Solar Power visit was organised for SE Electrical Students at 'AISSMS COE' Pune. It was arranged by Prof. S. M. Chaudhari. It was conducted to know about Solar Power Generation and to know more about Inverter and its specification. As this visit help students to know more about renewable energy i.e Solar Energy and also its construction and working. It also help to get to know about how components are mounted its efficiency, capacity.

Total capacity of power generation from AISSM' Society is about 300 KW.



TE Electrical students visited the 'Vanaz Metro Depot' in Kothrud, Pune, organized by the Electrical Department and Institute of Engineer Student Chapter, led by Dr. A. A. Apte. The visit focused on the technical aspects of the metro system, including the 25 kV transient system, transformers, traction motors, and various other systems like communication and signaling. It provided practical insights into metro operations, complementing theoretical knowledge and offering career guidance for Electrical Engineers.



TECHNICAL ACTIVITIES

INDUSTRIAL VISITS

On 7th October 2025 Electrical Department organized an industrial visit for BE students to CadCam Guru Pvt.Ltd. The visit provided valuable practical exposure, helping students bridge the gap between academic learning and industrial applications. It was coordinated by Ms. Sayali Paithankar and Mr. Ruturaj Waghmare. The visit included a demonstration of PLC systems, showing how industrial processes are controlled using programmed logic. We also explored SCADA, which enables real-time monitoring and supervision of machines and processes. Overall, the visit helped us connect theoretical knowledge with practical industrial automation applications.



On 29th October 2025, students of the BE Electrical Engineering department visited R&DE (Engrs), DRDO, Dighi, as part of the ACS subject under Dr. A. A. Godbole. The visit provided exposure to advanced defence engineering systems, including cutting-edge robotics, autonomous platforms, and high-power electrical technologies. Students gained insight into indigenous projects supporting Atmanirbhar Bharat and the practical application of electrical engineering in defence research. The visit was a valuable learning experience, linking classroom concepts with real-world innovation.



TECHNICAL ACTIVITIES

SOCIAL ACTIVITY

The Department of Electrical Engineering organized a Social Awareness Activity on Electrical Safety and Power Theft on 12th October 2025 at Lunkad Realty, Viman Nagar, Pune. Students educated the labour community on safe electrical practices, energy conservation, and the consequences of power theft through posters and demonstrations. Around 150 labourers and their families benefited from the initiative, which was coordinated by Ms. S. H. Mane and Mrs. V. N. Tarange.



ALUMNI



Nikhil Jagtap, a proud alumnus of AISSMS College of Engineering, graduated in 2012 and later completed his Master's in Micro and Nano Systems. With a strong academic foundation and a passion for advanced electronics, he has built a distinguished international career in research and development. He is currently working as a Project Manager (Electronics R&D) at Kärcher SE & Co. KG, Germany, where he leads innovative projects at the forefront of electronics and product development.

Nikhil began his professional journey as an Engineer at Devang Cranes Pvt. Ltd., Chakan, gaining valuable industrial experience until 2015. He then joined Infineon Technologies, Germany, as a Hardware Engineer, where he worked until 2022, contributing to high-impact semiconductor and electronics solutions.

Achievements

- Best Student Award – AISSMS College of Engineering
- Best Project Manager Award (2022) – Infineon Technologies, Germany

Nikhil Jagtap's journey reflects excellence, perseverance, and global vision—serving as an inspiration for young engineers aspiring to make their mark on the world stage.
