



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

Approved by AICTE, New Delhi, Recognized by Government of Maharashtra
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC
(Id.No. PU/PN/Engg./093 (1992))

Accredited by NAAC with "A+" Grade | NBA -6 UG Programmes



ELECTRICAL ENGINEERING

"We step up ,we transform"

NEWSLETTER

JULY-DECEMBER 2023 | VOLUME 13

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 stake-holders in achieving their goals. ”

-Dr. D.S. Bormane



From the HOD's Desk

“ It gives me immense pleasure to find that the department magazine team is striving very hard to ensure a good quality magazine. The magazine provides a platform for the students to showcase their literary skills. All round the year, 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. Mrs. A.A. Godbole

From the Editor's Desk

“ The Department’s Editorial Board proudly introduces its latest creation - the Department Newsletter, offering a comprehensive glimpse into the dynamic activities and advancements within the realm of Electrical Engineering. Behind every stride forward lies a dedicated team working tirelessly, often behind the scenes, meticulously planning and executing endeavors. This newsletter serves as a platform to duly recognize and appreciate these collective efforts and their outcomes. This edition encapsulates the significant events spanning from July 2023 to December 2023, shedding light on the noteworthy achievements. Gratitude is extended to the diligent editorial team whose unwavering support has elevated this Newsletter to prominence. ”

-Prof. R.S. Shinde

“No resistance can drop our potential”

Editors' Board

- Dr. D.S. Bormane (Principal)
- Dr. Mrs. A.A. Godbole (HOD)
- Mr. R.S. Shinde (Faculty advisor)
- Prasad Ahire, BE
- Chaitanya Patil, TE
- Sanika Kurade, TE
- Bhagyashree Gade, TE
- Vaibhavi Panval, TE
- Prasad Gadhekar, TE
- Shrawni Bhore, SE
- Vasundhara Nikam, SE

Published at

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Faculty Achievements

Mrs. Vishakha Tarange

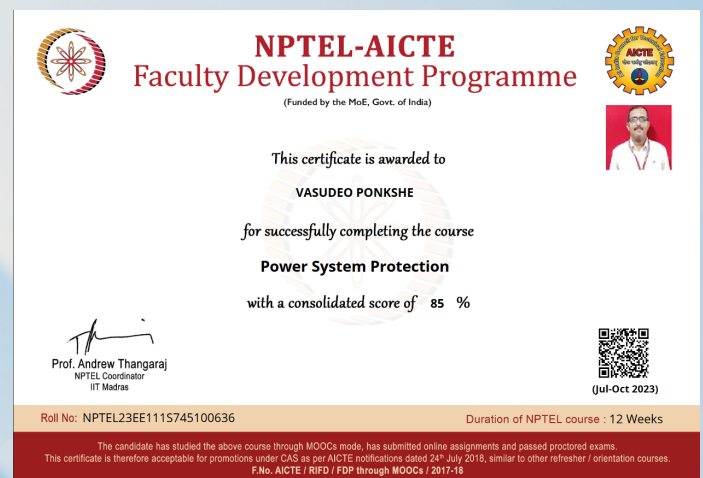
- Attended Bhartiya Yuva Shakti Trusts (BYST).
- BYST is a premier non profit organization in India founded in 1992 and a member of the youth business international network (UK), promotes entrepreneurship youth.

Mr. Vasudev Ponkshe

- Certification: Power System Protection
- Institution: NPTEL (National Programme on Technology Enhanced Learning)
- Grade: 85%

Mr. Rahul Shinde

- Published research paper in the year 2023.
- Document Details: Enrichment of Power Quality for multiple output switched mode power supply based on Bridgeless Topology.
- ISBN/ ISSN: ISSN: 0971-3034



Students' Achievements

Department Representative In GSA Committee

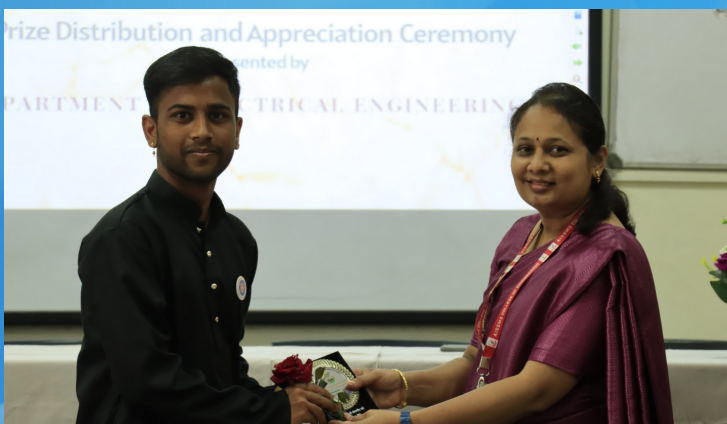
Kaustubh Soshte (General Secretary)

Darshan Gundecha (Joint General Secretary)

- Ekta Patbhaje, Prathamesh Malgunde and Tanaya Sabade from Team Resonance Racing REEV secured AIR 1 in REEV SAE India competition.



- Darshan Shewale participated in Delhi event 'Meri Mati Mera Desh' organized by the Ministry of Higher & Technical Education. The main objective was to Tribute the Indian Soldiers and initiate conversations.



Students' Achievements

- Vasundhara Nikam from SE Electrical was selected for the Pune University Team.
- She participated in the West Zone Interuniversity Handball Tournament held at Mohanlal Sukhadia University, Udaipur.
- Additionally, Vasundhara took part in the 50th Senior State Handball Championship.



- Rajdeep Sonawane from SE Electrical published a research paper on (IJAR) Indian Journal of Applied Research with the Title of 'A Review on Carbon Nanotubes: Preparation, properties & Application: Carbon Nanotubes.



Technical Activities

Engineering Today 2023 - WATTS

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

- THE LASER WAR

The event was organized on 14th & 15th September 2023 which started with "License to kill : Laser War" competition having two teams. Each team was consisting of 3 players. The laser hunt was department's ET – jewel. It was coordinated by Mr. S. M. Chaudhari.



- CRIC AUCTION

Cric Auction was organised on 15th September 2023. Each team had to categorize 4 players from the team they formed, as captain, vice captain, star batsman, star bowler such the team should include best players according to the IPL stats. It was coordinated by Mr. R. S. Shinde.



Technical Activities

Engineering Today 2023 - WATTS

- CHAMBERS OF SECRET

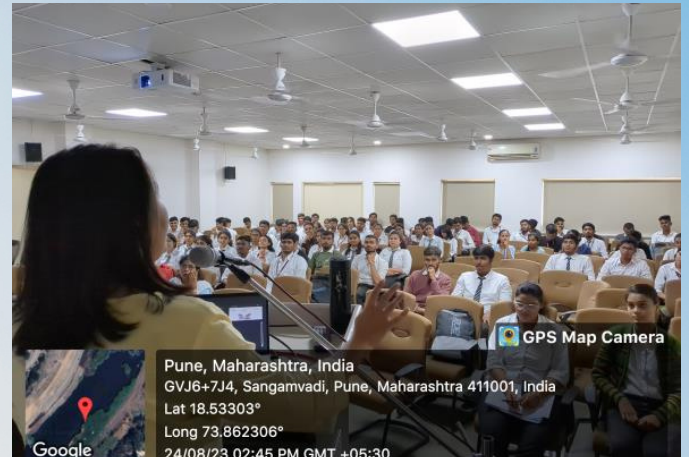
It was organised on 14th & 15th September 2023. We were challenged to design brain teasing activities, circuits, kits and a few riddles. In this game we managed to engage 129 students in total to wander across two horror themed rooms in search of a hypothetical treasure. It was coordinated by Mrs. V. N. Tarange



Technical Activities

Expert Lectures

A Guest Lecture was arranged on 24th August 2023 for the students of Department of Electrical Engineering in association with Institution of Engineers, India (IEI) regarding the Diversity & Inclusion. The speaker for the session was Ms. Sanyucta Sasodiya, Lead for Culture and Diversity at Forbes Marshall group of companies.



An Expert Lecture on "Advance Control System" was arranged on 17th of October 2023. The speaker for this lecture was Dr. Sushant Chaudhari. Sir started the lecture with shedding importance on Objectives of Control System and the challenges in control system. He explained the challenges by giving the example of the suspension of a car and its modelling.



On November 30th, 2023, an expert lecture was conducted for SE students on the topic of TOD meters. The speaker of the session was Dr. S.M. Bakre from AISSMS IOIT Pune. During the lecture, he explained the importance of metering, the classification of electric meters, and highlighted the critical role of metering in understanding and managing electricity consumption.



Technical Activities

Expert Lectures

An Expert Lecture was conducted on “Top mistakes by First Time Founders” for SE Students on 20th October 2023. The Speaker for the Session was Mr. Ankit Bora, He guided students in the field of Business and Entrepreneurship. Also, he shared his own story of building a business and the techniques, ways that make him Successful.



Technical Activities

Industrial Visits

On October 27, 2023, AISSMS COE arranged an insightful industrial visit to “Chheda Electrical and Electronics”, a prominent manufacturer of electronic components, with a special emphasis on the production of ignition coils. The visit provided an invaluable opportunity to witness the manufacturing processes of various electronic parts, particularly ignition coils.



On October 17, 2023, AISSMS COE Department of Electrical Engineering had arranged an industrial visit to Cahors - Transfix India Pvt. Ltd under course of Electrical Installation Design Condition Based Management. Cahors is a 53 to 6300 KVA transformer manufacturing and designing company.



A visit was planned for the course ‘Electrical Installation Design and Condition Based Maintenance’, to 220/132/22 kV Parvati substation on 19 Oct 2023. Students were able to see and understand all the important components and sections of a 220/132/22 kV substation.



Technical Activities

Industrial Visits

- On the 2nd of Dec 2023, group of enthusiastic electrical engineering students from S.E embarked on an insightful industrial visit to the Bhatghar Hydroelectric Power Station located in Bhore, Maharashtra.
- The visit, led by our teacher Mr. Wani, focused on power generation technologies. This facility generates 16MW, serving Bhore, Shirwal, Kamthedi, and Velhe.



- An industrial visit at Fuji Electric was conducted on 6 Dec 2023 for SE students.
- Prof. V. N. Tarange led an informative visit showcasing practical software engineering applications in industry. Students also toured the testing department for high-voltage product testing, guided by Mr. Jitendra Patil, HR at Fuji Electric India Pvt. Ltd.



Technical Activities

Workshop

Chetan Singh Solanki is a man on a mission. For the past eleven years, Chetan, who has earned himself the moniker, Solar Man of India, has been on an extended 'Solar Yatra', hoping to increase awareness around energy conservation, and promoting the use of solar energy. Climate change is a reality that no one can really turn their back on. And for someone who has committed 11 years for the cause of energy to the extent that he has promised not to go home is a cause that needs to be applauded.

On 6th Dec 2023, A group of 5 students from SE Electrical participated in Hands on Workshop on Climate clock Assembly And Display. It was organised by MIT,WPU, Pune. This activity was intended for creating awareness about Environment pollution and Global warming issues. The clock gives an indication about the number of days left for earth temperature to increase by 1.5 Deg.Centigrade. The clock will be displayed in Electrical Engineering Department .



Social Activity

A visit to New English School at Vadagaon was arranged on 1st of September 2023 to spread awareness about Electrical safety. This visit was arranged for the students of class 9th and 10th. Students of BE, TE, and SE conducted this visit under NSS of Department of Electrical Engineering. BE students gave a presentation on Generation of Electricity, shock treatment, proper utilization of Electricity. Students were very attentive and that's why the session became very interactive. Presentators also cleared many doubts of students regarding basic concepts of Electricity.

After the Presentation TE students enacted a very informative skit explaining the importance of proper use of Safety equipment's while working with Electricity. In our team we had 6 students Om Jagtap, Pooja Ghatge, Aarya Deolikar, Chaitanya Patil, Prasad Gadhekar, and Vaibhavi Panval. We also narrated the do's and don'ts about Electricity in our day-to-day life.

The principal of the school acknowledged our efforts and thanked us for arranging such event. He also requested us to organize more such events.



ALUMNI



Ajinkya Sonawane, an alumni of AISSMS, graduated in 2012. Currently, he serves as a technical lead in the infrastructure power transmission department. He pursued his Masters and PhD from IIT Indore. Arjun's journey to success is marked by his experiences at AISSMS, where he found a unique blend of academic rigor and extracurricular opportunities. His placement reflects his dedication and skills.

Arjun's story exemplifies the potential for growth and achievement inherent in every individual, awaiting discovery through education and determination. His success is not merely personal but also underscores the transformative power of quality education and a supportive community.

He embodies the spirit of a true success story, with his accomplishments serving as a testament to the transformative impact of education and the unwavering pursuit of one's goals. Through his journey, Arjun continues to inspire others to pursue their dreams and strive for excellence in all endeavors.