



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 - 7 UG Programmes

ELECTRICAL ENGINEERING

"We step up ,we transform"

NEWSLETTER

July-December 2024 | Volume 15

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. 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 2024 to December 2024, 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. A.A. Godbole (HOD)
- Prof. R.S. Shinde (Faculty advisor)
- Prasad Gadhekar, BE
- Bhagyashree Gade, BE
- Vasundhara Nikam, TE
- Sharvari Pathare, SE
- Vaishnavi Shukla, SE
- Purva Sanap, SE
- Satyam khedkar, SE

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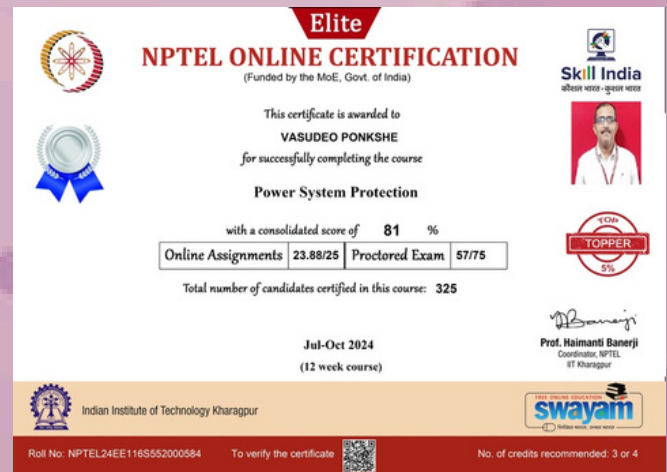
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FACULTY ACHIEVEMENTS

PROF. V.S. PONKSHE

- Certification: Power system Protection
- Institution: NPTEL (National Programme on Technology Enhanced Learning)
- Grade: 81%



PROF. R.S.SHINDE

- Certification: Power System Protection and Switchgear
- Institution: NPTEL (National Programme on Technology Enhanced Learning)
- Grade: 77%



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)



FACULTY ACHIEVEMENTS

PROF. SAYALI PAITHANKAR

- Certification: Power System Protection and Switchgear
- Institution: NPTEL (National Programme on Technology Enhanced Learning)
- Grade: 75%



PROF. SREEREKHA VADI

- Certification: Soft Skill Development.
- Institution: NPTEL (National Programme on Technology Enhanced Learning)
- Grade: 67%



STUDENTS' ACHIEVEMENTS

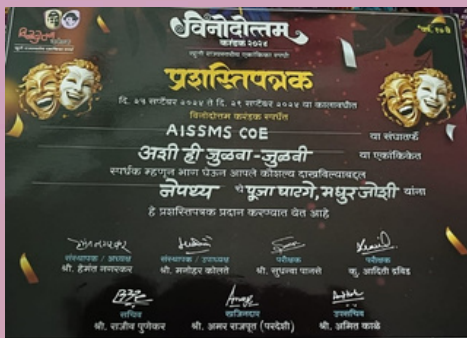
DEPARTMENT REPRESENTATIVE IN GSA COMMITTEE

DARSHAN GUNDECHA (GENERAL SECRETARY)

MAYURI SHINDE (JOINT GENERAL SECRETARY)

• BEST SET DESIGN - FIRST PRIZE

Pooja Ghatge from the BE Electrical department achieved significant recognition at the Vinodattam Karandak 2024.



• BEST ACTING - FIRST PRIZE

Aditi Kulkarni representing of BE Electrical garnered a remarkable achievement at the Vinodattam Karandak 2024.



STUDENTS' ACHIEVEMENTS

Vasundhara Nikam a student of TE Electrical Selected in Interzonal Handball(W) Tournament. Matches are arranged at Malegaon Nashik. Tournament held on 16th and 17th December of 2024.



Asim Mujawar student from TE Electrical participated in Zonal Level Research Project Competition 'AVISHKAR-2024' held at Hadapsar, Pune on 27th November 2024.



Sanika Kurade, student from BE Electrical completed NPTEL Online Certification course in Power System Protection and Switchgear with scored 92%.



STUDENTS' ACHIEVEMENTS

Rajdeep Sonwane, student from TE Electrical participated in Zonal Level Research Project Competition 'AAVISHKAR-2024' held at Hadapsar, Pune on 27th November 2024.



TECHNICAL ACTIVITIES

ENGINEERING TODAY 2024 - WATTS

The annual technical event of the AISSMS COE's 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 organised on 26 & 27 September 2024 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 SCAPE**

Shock Scape was organised on 26 th September 2024. 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 2024 - WATTS

- **CHAMBERS OF SECRET**

It was organised on 26th & 27th September 2024. 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 Prof.R.Wani.



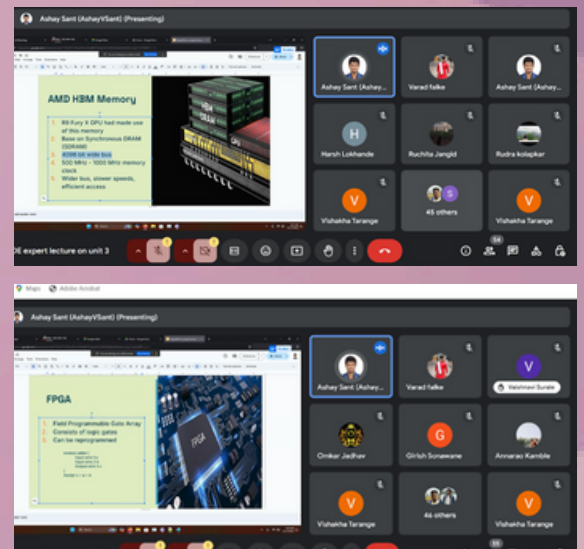
TECHNICAL ACTIVITIES

EXPERT LECTURES

Department of Electrical Engineering, AISSMS College of Engineering, Pune had organised an expert lecture on "UPS (Uninterruptible Power Supply) the device working and its Application. on 9 October 2024 for the TE students. The esteemed speaker for the session was Mr. Shreepad Kulkarni, Proprietor Concurrent Technologies, Pune



On 17 November 2024 ,Online Expert lecture was arranged for the students of S.E. Department of Electrical Engineering regarding the The Digital and Logic Families (Memories). The speaker for the session was Mr. Ashay Sant, Software Engineer At Siemens. Students were provided with an in-depth understanding of digital logic families and memory technologies.



An expert lecture was arranged for T.E. Electrical students on the My Story- A motivational session by successful Entrepreneur startup by Gautam Morey Founder & CEO, Trans Vitals Pvt Ltd & Sofomo Embedded Solutions Pvt Ltd.

Session was held to get new vision and ways for student in field of Electrical Engineering and also in Entrepreneur startup ideas. It emphasized the critical link between motivation and entrepreneurial success.



TECHNICAL ACTIVITIES

EXPERT LECTURES

On 21 October 2024 Department of Electrical Engineer organised guest lecture for BE students on topic of Programmable Logic Controller and SCANDA. The Expert for lecture was Mr. who gives brief about fundamental principles, components and functionalities of PLCs and SCANDA systems. Also guide for real time applications and technique.



Department of Electrical Engineering had organized an expert lecture on the topic of 'Indian Power System-an overview' on 19th October 2024. Session was conducted by Mr. Girish Malode Executive Engineer in PAC division, MSETCL, Pune.

He explained need of evolution of protection system and also provide an overview of Indian power sector and concept of numerical protection.



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 14th of October 2024. 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 22nd October 2024, the Electrical Department organized an industrial visit to Bhatghar Hydropower Plant for the SE students. The visit was guided by Prof Mr. Rajesh Wani. 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 TE Electrical of AISSMS COE visited to Lonikand Substation, on 21st October 2024. Visit was organized by Dr. V.V.Kulkarni. Substation visit is conducted to know Power Transmission from Generating station to Distribution Transformer and also Electrical Installation and its Design with Construction and Working.



TECHNICAL ACTIVITIES

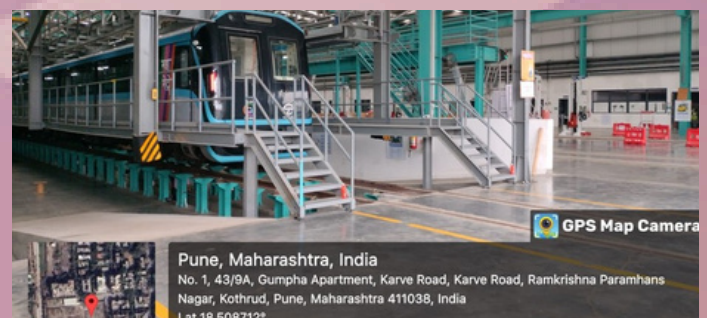
INDUSTRIAL VISITS

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

WORKSHOP

TE Electrical students attended workshop on Fabrication of AC voltage Regulator and Buck Converter. The workshop was held by Dr. A. A. Apte. under guidance of Expert in Electronics Mr. Mohan Pare Sir.

He guided students for designing of circuit and tracing connection.

Students also get briefing about online simulation using 'Tinkercad'. He also taught circuit diagrams and also application of AC voltage Regulator and Buck Converter.



Department of Electrical Engineering of AISSMS COE organized a 3 Days workshop on 'Fault Analysis with MATLAB Coding' for B.E Electrical student. Workshop was held on 29th July to 31st July under guidance of Prof. V. S. Ponkshe.

The main objective of workshop to develop algorithm in MATLAB for faults in power system. It also guide student about fundamentals of fault analysis its algorithm and also code.



ALUMNI



Vallabh Parsekar, a proud alumnus of AISSMS College of Engineering, graduated in 2018 and has made significant strides in the field of Artificial Intelligence. Currently working as a Data Scientist, his journey is marked by dedication, academic excellence, and a passion for technology. His exceptional GATE rank of 200 earned him a place at IISc Bangalore, where he pursued his M.Tech and refined his expertise in AI and data science.

His time at AISSMS played a pivotal role in shaping his career, providing him with a strong academic foundation and practical exposure. His dedication, coupled with a relentless pursuit of excellence, has led him to remarkable achievements.

His success story highlights the power of education, perseverance, and continuous learning. Vallabh's journey serves as an inspiration to aspiring engineers, proving that with the right mindset and opportunities, one can achieve great heights. His accomplishments stand as a testament to the transformative impact of quality education and the pursuit of excellence.
