

# 2025 IEEE 1<sup>st</sup> International Conference on Smart and Sustainable Developments in Electrical Engineering (SSDEE)

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Department of Electrical Engineering  
Indian Institute of Technology (ISM) Dhanbad  
(28<sup>th</sup> Feb - 2<sup>nd</sup> Mar 2025)



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## ABOUT THE CONFERENCE SSDEE - 2025

An International Conference on Smart and Sustainable Developments in Electrical Engineering (SSDEE 2025) is being organized by the Department of Electrical Engineering, IIT(ISM), Dhanbad. The Conference is co-sponsored by Power & Energy Society (PES), IEEE Kolkata Section and technically co-sponsored by IEEE Kolkata Section. The presented papers will be submitted to IEEE Xplore for publication. The conference serves as a premier gathering for researchers, engineers and professionals to explore the latest developments and trends in power generation, transmission and distribution. With a focus on advancing technologies such as renewable energy integration, power electronics, automation, electrification of transportation, smart grid technologies, resilient monitoring, protection systems and intelligent systems, the conference provides a platform for exchanging ideas, sharing insights, and fostering collaborations in cutting-edge research. Participants from academia, industry, and government agencies come together to present their research findings, discuss challenges, and propose innovative solutions to address the evolving demands of the electrical engineering field. Through keynote speeches, technical sessions, and networking opportunities, the conference aims to stimulate interdisciplinary discussions and inspire new avenues of research that contribute to the advancement of modern electrical engineering practices worldwide.

### ABOUT IIT(ISM)

The Indian Institute of Technology (Indian School of Mines) Dhanbad is located in the prime coking coal belt of India which is 260 km away from the Kolkata city. The IIT(ISM) Dhanbad has all the facilities of a world class academic research institute and is fully residential. The Indian School of Mines was formerly opened on 9<sup>th</sup> December 1926, by Lord Irwin, the then Vice-Roy of India to address the need for trained man power related to mining activities in the country with disciplines of Mining and Applied Geology. The Indian School of Mines has been conferred the status of Indian Institute of Technology (IIT) on September 06, 2016, by the Government of India and has been renamed as Indian Institute of Technology (Indian School of Mines), Dhanbad. Since its establishment, the institute has undergone considerable expansion of its activities, and emerged as a reputed technical institution of the country. IIT(ISM) offers courses like B.Tech. (4 Years), Integrated M.Tech.(5 Years), M.Sc. and M.Sc.Tech., Master of Business Administration (MBA), and Ph.D. IIT(ISM) Dhanbad has been contributing significantly to the growth and development of different disciplines of engineering.



### TRACKS OF CONFERENCE

- Track-1: Power System:** Operation & Control, Monitoring, Protection, FACTS Devices, Stability, High Voltage Engineering, Energy Market, Deregulation.
- Track-2: Smart Grid:** Renewable Energy Resources, Microgrid, Grid Integration, Energy Management, Islanding, IoT.
- Track-3: Power Electronics and Applications:** Devices and Converters, Electrical Drives, Power Quality.
- Track-4: Electric Transportation:** Electric Vehicle, Electric Aircraft, Electrical Machines, Energy Storage Devices, Charging Infrastructure, Wireless Power Transfer.
- Track-5: Soft Computing Techniques in Electrical Engineering:** Artificial Intelligence, Machine Learning, Big Data Analytics, Cyber Security, Quantum Computing.
- Track-6: Control, Measurement and Instrumentation:** Cyber Physical Systems, Robotics, Sensors, Interfacing Electronics, Fibre Optics.
- Track-7: Application of Electrical Engineering in Special Topics:** Mines Application, Underground Coal Gasification, Hydrogen Technology, Carbon Capturing - Utilization & Storage, Coal-bed Methane.

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Click Here to Visit our Official Website of SSDEE - 2025 at [people.iitism.ac.in/~ssdee-2025](http://people.iitism.ac.in/~ssdee-2025)

Scan or Click above QR to Register

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## REGULAR REGISTRATION FEE

At least one author of the accepted paper must register with appropriate conference fee to include the paper in the First SSDEE-2025 conference program and publication in IEEE Xplore.

Category	For Presenting Authors of Each Accepted Papers				For Non-Presenting Authors	
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## IMPORTANT DATES

Paper Submission Opens	July 30, 2024
Paper Submission Deadline	October 15, 2024
Final Paper Acceptance Notification	December 01, 2024
Camera-Ready Paper Submission Deadline	December 31, 2024
Early Bird Registration	Jan 01 - Jan 07, 2025
Registration Starts	January 08, 2025
Registration Ends	February 01, 2025
Conference Dates	Feb 28 - Mar 2, 2025
Deadline for submission of special session proposals	12 <sup>th</sup> September, 2024

\*Registration fee prices are Inclusive of 18% GST

## CONTACT

Prof. Gauri Shankar Email ID: <a href="mailto:gaurishankar@iitism.ac.in">gaurishankar@iitism.ac.in</a> Contact No: (+91) 9471191515	Prof. Paresh Kumar Nayak Email ID: <a href="mailto:paresh@iitism.ac.in">paresh@iitism.ac.in</a> Contact No: (+91) 9471192452	Prof. Bhukya Krishna Naick Email ID: <a href="mailto:krishna2b2ee@iitism.ac.in">krishna2b2ee@iitism.ac.in</a> Contact No: (+91) 9471191530
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