

Department of Electrical and Electronics Engineering

Report

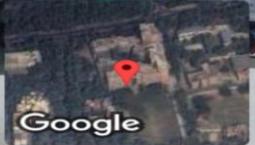
The Department of Electrical and Electronics Engineering (EEE), in collaboration with the IEEE PES Student Branch at MSIT, successfully organized an expert lecture on **Advanced Power Systems** on **25th February 2026**. The lecture was delivered by **Dr. Shivani Sharma**, Principal Technical Consultant at **Hitachi Energy**, who shared her valuable industry experience and technical expertise with students and faculty.

The session aimed to provide students with deeper insights into the evolving landscape of modern power systems and the technological advancements shaping the energy sector. During the lecture, Dr. Sharma discussed key concepts related to advanced power system operations, grid modernization, renewable energy integration, smart grids, and the role of digital technologies in improving efficiency and reliability in power networks. She also highlighted the growing importance of sustainable energy solutions and the challenges faced by power engineers in maintaining stability and resilience in modern electrical grids.

The lecture was highly interactive and encouraged students to actively participate by asking questions and engaging in meaningful discussions. Dr. Sharma also shared practical examples from her professional experience, which helped students understand how theoretical concepts learned in classrooms are applied in real-world industrial scenarios. Her insights into industry expectations, technological trends, and career opportunities in the power sector were particularly beneficial for aspiring electrical engineers.

Around **60 students** from the EEE department attended the session and benefited from the enriching discussion. The lecture successfully bridged the gap between academic knowledge and industry practices, motivating students to explore emerging areas in the field of power systems and energy engineering.





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