



Guest Lecture

Digital Intelligence for Sustainable Energy Systems: Convergence of AI, IoT and Smart Grids

18th June 2026

10:00 AM – 12:30 PM

Falconry Seminar Hall



Dr. Hitesh Datt Mathur

Professor – EEE
Head, School of Interdisciplinary Research and Entrepreneurship (SIRE)
Birla Institute of Technology and Science, Pilani
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**Department of Research and Development
Department of Electrical and Electronics Engineering**



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Event Report

Title	Guest Lecture on Digital Intelligence for Sustainable Energy Systems: Convergence of AI, IoT and Smart Grids	
Department	Research and Development	
Date	From: 18.06.2026	To: 18.06.2026
Time	From: 10:00 AM	To: 12:30 PM

Introduction:

The Department of Research and Development, in association with the Department of Electrical and Electronics Engineering, New Horizon College of Engineering, successfully organized a Guest Lecture on "Digital Intelligence for Sustainable Energy Systems: Convergence of AI, IoT and Smart Grids" on 18 June 2026 (Thursday) from 10:00 AM to 12:30 PM (IST) at the Falconry Seminar Hall.

The keynote session was delivered by Dr. Hitesh Datt Mathur, Professor, Department of Electrical and Electronics Engineering and Head, School of Interdisciplinary Research and Entrepreneurship (SIRE), Birla Institute of Technology & Science, Pilani.

The lecture focused on the transformative role of Artificial Intelligence (AI), the Internet of Things (IoT), and Smart Grid technologies in developing sustainable energy systems. The speaker discussed the integration of digital intelligence into modern power systems, highlighting applications such as intelligent energy management, predictive maintenance, renewable energy integration, smart metering, demand-side management, and data-driven decision-making for efficient and resilient power networks.

The session provided valuable insights into emerging research trends, industry challenges, and future opportunities in intelligent energy systems. Participants gained a comprehensive understanding of how AI and IoT technologies are reshaping the energy sector and enabling the transition towards sustainable and smart power infrastructure.

The programme witnessed enthusiastic participation from 128 faculty members and research scholars of various engineering disciplines. The interactive question-and-answer session enabled participants to engage with the speaker, clarify technical concepts, and discuss current research opportunities in the field of sustainable energy systems.

The programme concluded with a vote of thanks expressing sincere gratitude to the distinguished speaker for sharing his expertise and to the management, organizing committee, faculty members, and participants for their valuable support in making the event a grand success. The lecture served as an excellent platform for knowledge dissemination, fostering innovation, and strengthening academia-industry collaboration in the domain of digital technologies for sustainable energy systems.



