



One Week National Workshop on

Advancements in Renewable Energy Integration and Smart Grid Technologies

23 February 2026- 27 February 2026

(Sponsored by)

Bihar Council on Science and Technology (BCST)

Patron

Prof. (Dr) Gopal Nandan,
Principal, NCE, Chandi

Convener(s)

Dr. Md. Tausif Ahmad,
Assistant Professor (Sr grade), NCE, Chandi

Dr. Shagufta Khan,
Assistant Professor, NCE, Chandi

Being Organised By

Department of

Electrical and Electronics Engineering
Nalanda College of Engineering, Chandi
(Under Department of Science Technology
and Technical Education, GOB)

About the Institute

Nalanda College of Engineering is a Government Engineering College working under the Department of Science Technology and Technical Education. It has been established by the Government of Bihar in 2008.



It is situated on the holy land where Lord Buddha experienced enlightenment and Lord Vardhaman Mahavir embraced Nirvana. Initially in the year 2008 it offered B. Tech. Degree in four programs namely Computer Science & Engineering, Civil Engineering, Mechanical engineering and Electrical & Electronics Engineering. In the subsequent year, four more programs i.e. B. Tech. in Aeronautical Engineering, B. Tech. in Artificial Intelligence & Machine Learning, M.Tech in power System and Computer Science & Engineering came into existence.



<https://ncechandi.ac.in/>



About the Workshop

This hybrid mode workshop brought together academicians, researchers, and industry experts to deliberate on the integration of renewable energy resources with smart grid technologies, ensuring efficiency, reliability, and sustainability of future power networks. The workshop provided a comprehensive platform to explore contemporary topics including renewable energy-based EV charging systems, smart grid monitoring and communication, AI/ML applications in energy systems, power electronics-based integration, distributed energy systems, grid security, regulatory frameworks, and advanced simulation tools. Through expert lectures and hands-on sessions, participants gained both theoretical understanding and practical exposure to real-world energy system challenges.



Program Outcomes

- Renewable energy integration and smart grid technologies.
- AI/ML Application in load forecasting, grid optimization, and energy management.
- power electronics and inverter-based renewable integration.
- Awareness of Grid Security and cybersecurity challenges in smart grids.
- Policy & Standards Insight on national/international grid codes and regulations.
- Competency in Decentralized Systems including microgrids and hybrid configurations.
- Research Orientation toward sustainable energy, smart grids, and future power systems.
- Sustainable Energy Transition in modern power networks.

RESOURCE PERSONS

- Dr. Amrithesh Kumar, NIT Silchar
- Dr. Aasim, NIT Patna
- Dr. Saran Satsangi, NIT Patna
- Dr. Muhammad Asif Hasan, BIT Mesra
- Dr. Shahiruddin, BCE Bakhtiyarpur

- Dr. Nikita Gupta, Himachal University
- Dr. Shruti Jaiswal, Jaypee Institute of Information Technology, Noida
- Dr. Shagufta Khan, NCE Chandi
- Dr. Md. Tabrez, MCE Motihari
- Dr. Kanhaiya Kumar, MCE Motihari
- Dr. Pratik Ranjan, GCE Gaya
- Dr. Sanjay Kumar, NCE Chandi
- Dr. Tripurari Das Gupta, NCE Chandi
- Dr. Md. Tausif Ahmad, NCE Chandi

Coordinator(s)

- Dr. Dhananjai Singh
- Dr. Keshav Kumar
- Dr. Ajay Kumar
- Bhawesh Madhukar
- Sudeep Kumar
- Ashok Kumar Chaudhary
- Kumar Sachin Yadav
- Rashmi Sinha

Student Coordinator(s)

- Kumari Madhu, M.Tech (Power System)
- Ritika Pravakar, M.Tech (Power System)
- Vishal Kumar Ray, M.Tech (Power System)
- Vivek Kumar, M.Tech (Power System)
- Adhiraj Prateek, B.Tech (EEE)
- Anish Kumar, B.Tech (EEE)
- Jiya Rani, B.Tech (EEE)
- Annu Kaur, B.Tech (EEE)
- Manasvi Madhavi, B.Tech (EEE)
- Saurabh Kamat, B.Tech (EEE)
- Vandana Kumari, B.Tech (EEE)
- Riya Kumari, B.Tech (EEE)

Registration Details:

- There are no registration fees for attending the National workshop.
- Registration closes: 14th February 2026.
- Confirmation to participants: 16th February 2026.
- Selection will be based on first-come-first-serve basis.
- The certificates shall be issued to those participants who have attended the program with a minimum 75% attendance.

Link for Registration:

<https://docs.google.com/forms/d/e/1FAIpQLSeFIQbCqDGR1lw0brHaOun0gM3qfLd4wE532SxlefAId4D8vQ/viewform?usp=header>



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