

Key Speakers

Dr. Anurag Sharma	Director of Postgraduate Research and Associate Professor in Electrical Power Engineering Newcastle University in Singapore
Dr. Pravat Kumar Ray	Professor, National Institute of Technology, Rourkela
Dr. Ranjan Kumar Behera	Associate Professor, Indian Institute of Technology, Patna
Dr. Subhojit Ghosh	Professor, National Institute of Technology, Raipur
Dr. Ritesh Kumar Keshri	Associate Professor Visvesvaraya National Institute of Technology, Nagpur
Dr. Tapas Roy	Assistant Professor, Indian Institute of Science, Bangalore
Dr. Sze Sing Lee	Degree Programme Director of Electrical Power Engineering and Assistant Professor at Newcastle University in Singapore.
Dr. Chandrasekhar Perumalla	Assistant Professor, Indian Institute of Technology, Bhubaneswar

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**Academic and Administrative
Development Centre (AADC),
AIU Faculty Development Program on**

on

**“Renewable Energy and Smart Grid:
Recent trends and Applications”**

5th - 9st May, 2025



Organized by

**School of Electrical Engineering
Kalinga Institute of Industrial Technology,
KIIT Deemed to be University,
Bhubaneswar, India
<http://www.kiit.ac.in>**

About the Institute

Kalinga Institute of Industrial Technology (KIIT), a household name in the education sector, has become a sought-after destination in India for professional studies. The University offers under-graduate, post-graduate and doctoral courses in Engineering, Medicine, Biotechnology, Nursing, Management, Law, Computer application, Rural management, Fashion, Film Studies, Journalism, and Sculpturing. KIIT is ranked 15th among Indian Universities by National Institutional Ranking Framework (NIRF), Ministry of Education, Government of India. Its incredible transformation is truly a journey from Soil to Silver in a short span of 25 years.

About the Department

KIIT School of Electrical Engineering has been playing a vital role in producing engineers and Scientists of the highest caliber since its inception in the year 1997. At present, it offers Under Graduate, Post Graduate and Doctoral programs in Electrical Engineering and Electrical and Computer Engineering (UG) to cater to the ever challenging needs of technical excellence in the areas of science and technology. The course structure and syllabi of each program are constantly revised to meet the ever-changing requirements of the volatile industrial market, keeping the essence of the core Electrical Engineering intact.

About the FDP

The FDP on Renewable Energy and Smart Grid: Recent trends and applications will cover recent advancements and applications in integrating renewable energy with smart grid technologies. Participants will explore innovations, challenges, and strategies for sustainable energy solutions, aimed at enhancing knowledge in green energy and smart infrastructure.

About AIU-AADC

The Association of Indian Universities (AIU), the apex body representing universities and higher education institutions in India, invites proposals with Expressions of Interest (EOI) from member universities for its newly introduced scheme—Academic and Administrative Development Centres (AADC). Launched in 2022, AADC is a pioneering initiative aimed at organizing short-term training and capacity-building programs for faculty members and administrative staff of Indian universities and other higher education institutions (HEIs). Modeled after the UGC Human Resource Development Centres, these centres focus on training faculty in online and blended teaching, e-content development, technology for assessment and evaluation, research collaboration, and effective governance and administration using technology.

FDP Top Highlights

- Improved Control Strategy of Grid Integrated Solar System
- Towards Cyber Intrusion Resiliency in Smart Grids.
- Optimal Capacity Planning of Resources in Microgrid: Methods and Challenges
- Power Quality Enhancement and Power Flow Analysis in a Grid Integrated PV-UPQC System
- Finite Control Set Model Predictive Control (FCS-MPC) for Switched Capacitor Multilevel Inverter for Grid-Tied PV applications
- Power electronics for renewable integration and electrification
- PV fed and Battery Energy Storage Charging Infrastructure
- Boost Inverters for Renewable Energy Applications
- Decarbonizing Singapore: latest trends and research opportunities

Perspective Participants

Faculties, Research Scholars and PG students from AICTE approved institutions. Industry person and practitioners working in the areas of clean energy innovation. **Selection of participants will be on first come first serve basis.**

How to Apply

Mode of Delivery: Hybrid

Last Date of Registration-28-04-2025

Registration Link:

<https://forms.gle/1Qz6wLhDSUU5sYu6A>

Registration Fees:

Academician	: Rs. 500/-
Research scholars	: Rs. 200/-
Industry Professionals	: Rs. 1,000/-
(Exclusive of Lunch)	

Account Details:

Account No : 50100195213087

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