ACHARYA

ACHARYA INSTITUTE OF TECHNOLOGY

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

5 DAY ONLINE FACULTY DEVELOPMENT PROGRAM

02nd to 06th August 2025 | 10:30 am to 05:00 pm

Online Webex

About the Program

The theme, "Recent Advances in Smart Grid and Renewable Energy Integration," focuses on the evolving landscape of power systems driven by the rapid adoption of renewable energy sources and intelligent grid technologies. As the world transitions toward sustainable and efficient energy solutions, smart grids play a pivotal role in integrating renewable resources, ensuring grid stability, and optimizing energy usage. This Faculty Development Program aims to provide in-depth knowledge on cutting-edge developments in areas such as smart metering, energy storage systems, demand response, grid automation, and real-time data analytics. The program also explores the challenges and opportunities associated with integrating solar, wind, and other renewables into existing grid infrastructures. By bridging academic research with industry applications, the theme emphasizes innovation, interdisciplinary collaboration, and future-ready strategies to enable a resilient and sustainable energy future.

Objectives of the Program

- To provide knowledge on Smart Grid architecture and key features.
- To introduce communication technologies used in Smart Grids.
- To create awareness about cybersecurity in energy systems.
- To explore AI/ML applications and renewable energy integration.

Expected Outcomes of the Program

- Participants will understand core concepts of Smart Grid technologies.
- Faculty will be able to update academic content with current trends.
- Participants will gain skills to support student projects and research.
- Institutions will benefit through improved teaching and technical exposure.

Target Audience: Faculty members and postgraduate students from the departments of Electrical and Electronics Engineering (EEE), Artificial Intelligence & Machine Learning (AI & ML), Electronics and Communication Engineering (E&CE) across various engineering colleges.

Type of program: FDP (Online)
Venue: Online Webex

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Committee Members

PATRONS

- Shri B M Reddy, President, JMJ Education Society.
- Shri B. Premnath Reddy, Founder Chairman, Acharya Institutes.
- Smt. Shalini Reddy, Executive Director, Acharya Institutes.
- Shri Krishna Basani Reddy, Managing Director, Acharya Institutes.

ADVISORY COMMITTEE

- Dr. C. K. Marigowda, Principal, AIT
- Dr. Rajeshwari, Dean Academic, AIT
- Dr. Rajashekar Patil, Head of Quality Assurance Acharya Institutes

CONVENER

- Dr. Lakshmikanth S, HOD (EEE) AIT
- Prof. Prabha Chand, NIT Jamshedpur

ORGANIZING SECRETARIES

- Prof. Devendra Gowda, Assistant Professor, EEE AIT & ExCom Member, IEEE Bangalore Section
- Dr. Veerpratap Meena, Assistant Professor, NIT Jamshedpur Chair, IEEE Systems Council Systems Education Technical Committee, USA

Resource Persons Details

Dr. Mohammad Rihan

Designation : Director General, National Institute of Solar Energy (An autonomous institution of Ministry of New and Renewable Energy, Govt. of India)

Dr. Mythili Chaganti

Designation : Vice President, Chapters & Membership IEEE PES, CenterPoint Energy Houston, TX USA

Prof. Francisco Gonzalez-Longatt

Designation : Professor in University of South-Eastern Norway

Prof. Ersan Kabalci

Designation : Professor, Nevsehir Haci Bektas Veli University, Turkey

Dr. Anand. R

Designation : Research Centre for Renewable on Microgrids, Zhejiang University- China

Prof. Sanjeevikumar Padmanaban

Designation : Professor in Power Electronics, University of South-Eastern Norway

Prof. Ramesh Bansal

Designation : Professor, University of Sharjah-UAE

Dr. Hady Habib

Designation : Associate Professor, Heliopolis University-Egypt

Dr. Akansha Shukla

Designation : Sardar Vallabhbhai National Institute of Technology, Surat

Dr. Tanmoy Roy Choudhury

Designation : Assistant Professor, NIT Rourkela

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Event Coordinator

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