

RESOURCE PERSONS

Academic Experts from Central Universities, NITs, CIT and Industry Experts will handle the sessions.

IMPORTANT INFORMATION

- This FDP is only for faculty members of the AICTE approved institutions research scholars, PG Scholars, participants from Government and Industry.
- The FDP will be conducted in online mode.
- Join every session 10 minutes before the scheduled timing.
- 90% attendance is compulsory, and all sessions will be recorded on Google meet.
- Seats are limited and the participants are selected by organizers on first come first serve basis.
- On completion of the course certification will be provided.

IMPORTANT DATE

Last Date for receiving applications	30.01.2024
Intimation of selection	01.02.2024

REGISTRATION FORM

Participants interested to attend this programme should register online in the below mentioned link

<https://forms.gle/DLAEEWqwP7kACUmA8>

ELGIBILITY

The faculty members from the streams of EEE, ECE, Civil, Mechanical and Chemical of AICTE approved Engineering colleges are eligible to participate in this program. The seats are limited, which would be filled on first come first served basis. Selected candidates will be intimated through e-mail.

Registration Fee Payment Details

Research Scholars/PG Students – Free
Academicians/Industry Professionals – Rs 200

ACCOUNT NAME: TRAINING AND CONSULTANCY

Bank: Indian Bank

Account Number: 6717786188

Branch: Peelamedu

IFSC Code: IDIB000S107

Scan QR Code For Registration



FOR QUERIES CONTACT

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Five Days Online Faculty Development Programme (FDP)

on

“Intelligent Techniques for Integration of Renewable Energy, Electric Vehicle and Energy Storage Systems”



05th - 09th February 2024

**Organized by
Department of Electrical and
Electronics Engineering**



Coimbatore Institute of Technology

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ABOUT THE INSTITUTE

Coimbatore Institute of Technology (CIT) started in 1956 by Sri. V. Rangasamy Naidu is reckoned for its academic excellence in Engineering and Technology. CIT is a Government Aided Autonomous Institution affiliated to Anna University, Chennai.

The institute has a reputation with service of competent, well qualified faculty and dynamic management to set highest standards in engineering, research and development. CIT offers under graduate, post graduate and Ph.D. programmes with a global standard curriculum promoting the students to compete internationally.

The institute has collaboration with leading frontier universities and industries in India and abroad for the promotion of innovative research and development. National Institutional Ranking Framework(NIRF), MHRD, Govt. of India has ranked CIT with 1st place in Tamil Nadu for Graduate Outcome.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering is one of the earliest departments in CIT which offers both under graduate (EEE), post graduate (Embedded and Real Time Systems) and Ph.D. programmes. The department has a team of well experienced faculty members having vast experiences in various engineering and technology with specialization in the areas like Power System, Power Electronics, Power Quality, Energy Engineering, Electrical Machines, Control Systems, Embedded Systems, VLSI, Robotics and Wireless communications.

ABOUT THE FDP

The objective of this FDP is to provide exposure to faculty members, practicing engineers, and research scholars towards the integration of renewable energy (RE), electric vehicles (EVs), and energy storage systems (ESS). The integration faces several challenges due to the intermittent nature of RE sources and the variable demand of EVs and it is crucial for transitioning to a clean and sustainable energy future. To address these challenges, intelligent techniques are essential for optimizing the operation of this integrated system to create sustainable and resilient energy systems.

LEARNING OUTCOMES

- To upgrade knowledge, skills, and other important concerns in order to stay up with the changing scenario in relation to modern smart grids with renewable energy resources and electric vehicle integration.
- To acquire in-depth knowledge of the above board issues and obstacles, as well as large-scale integration into future smart grid designs.

COURSE CONTENT

- Energy Management & Storage
- State of Charge estimation
- Machine learning approach for forecasting renewable energy
- Advanced control strategies
- Intelligent Energy Storage systems
- Charging Infrastructure
- Impact of EVs on Grid
- Future Technology in EV
- Battery Management System

ORGANIZING COMMITTEE

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