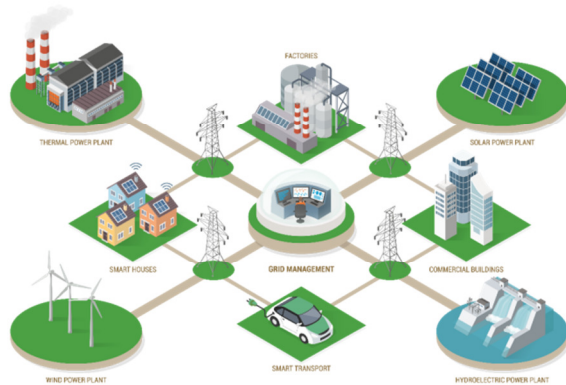


Five days online Workshop
On
Advancements in Electrical Engineering: An Academic & Industrial Approach
(Sponsored by TEQIP-III)
3rd to 7th August 2020



Coordinators
Dr.Sreejith.S
Dr.Swapna Mansani

Organized by



Electrical Engineering Department
National Institute of Technology
Silchar

About The Institute

National Institute of Technology, Silchar is one of the 31 National Institutes of Technology of India and was established in 1967 as a Regional Engineering College in Assam. In 2002, it was upgraded to the status of National Institute of Technology and was declared as Institute of National Importance under the National Institutes of Technology Act, 2007. NIT Silchar is a fully residential campus situated on the banks of river Barak and on a sprawling campus spread over 625 acres of land surrounded by scenic tea gardens on the outskirts of Silchar. NIT Silchar is a teaching and research institute which reflects in the top NIRF rankings

About the Department

The Department offers B.Tech in Electrical Engineering and MTech in two specializations (i) Power and Energy Systems Engineering & (ii) Control and Automation. This department also offers Ph.D in Electrical Engineering. The state of art laboratory facilities exists in the department to train the UG, PG and PhD scholars to carry research in the frontier research areas of Electrical engineering. The faculty members are specialized in diverse fields and there

is commendable research ambience in the Department. Department of Electrical Engineering takes up R & D projects sponsored by various funding agencies.

COMMITTEE

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Prof. Sivaji Bandopadhyay,
Director, NIT Silchar

Patrons

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HOD, EED, NIT Silchar

Dr. Sukumar Pati
TEQIP-III Coordinator

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About the Workshop

The energy market is rapidly evolving and processes of liberalization and decentralization are effecting and changing traditional production, distribution and consumption patterns. On the other hand the power system as a complex and sensitive entity needs modular integration of reliable components. The Smart Grid concept appears to be a promising response to these needs. Smart grid technology provides communication -and-control capabilities, renewable energy sources, integration distributed generation, energy efficient devices, demand side & demand response models and regulatory structures. Renewable Energy Systems (RES) is also an essential component in smart grid. The usage of RES has increased due to environmental issues and limited fossil resources. Photovoltaic (PV) and Wind Energy (WE) systems have become the most common type of the grid connected RES. These systems require power electronic conversion stages. This TEQIP III sponsored workshop provides an opportunity to students, research scholars, faculty and industrial participants in the research and development of suitable technology for the implementation various smart grid components.

Topics to be covered

- Smart grid structure and components
- Load frequency control
- Recent trends in HVDC and FACTS
- Energy Management
- IOT for Home Automation
- Modelling of solar PV systems
- Grid integration of renewable energy sources
- Power Electronics application to renewable energy sources
- Electric Vehicles
- G2V and V2G Technology

Resource Persons

- Dr. D. Madhan Mohan, Hitachi ABB Power Grids
- Dr.Vinoth kumar, Hitachi ABB Power Grids
- P.Arjunraj, Technical, Innovation and VAVE Consultant, Chennai
- Mr.Ashwik Reddy, Keus Automation Pvt ltd
- Dr. Nidul Sinha, NIT Silchar
- Dr. N. B. D. Choudhury, NIT Silchar
- Dr. Vijayakumar Krishnasamy, IITDM, Kancheepuram
- Dr. Shreelakshmi M P, NIT Calicut
- Dr. Nikhil Sasidharan, NIT Calicut
- Dr.Sandeep N, MNIT Jaipur
- Dr.Amritesh Kumar, NIT Silchar
- Dr.Sreejith.S , NIT Silchar
- Dr.Swapna Mansani, NIT Silchar

Important Dates

Last date (Online Registration): 01-08-2020

Confirmation by E-mail: 02-08-2020

Duration: 03-08-2020 to 07-08-2020

Eligibility

This program is open to faculty members, research scholars, PG & UG Students, and industrial personnel.

Registration

Registration fee: Nil

Number of participants is limited to 100

Online Registration link:

<https://forms.gle/AyV177who5ccqCi87>

Certification

E-certificates will be provided to those participants who have attended the program without any absenteeism.

Contact details

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