

**Five-day online Short Term Course  
On**

***Opportunities and  
Challenges in New Power  
Distribution Paradigm  
(OCNPDP)***

**(A Programme under TEQIP-III)  
18<sup>th</sup> – 22<sup>nd</sup> September, 2020**

**Coordinators**

**Dr. Partha Kayal**

**Dr. Saheli Ray**

**Dr. Sreejith S.**

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**

**Chief-Patron**

Prof. Sivaji Bandopadhyay,  
Director, NIT Silchar

**Patrons**

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HOD, EED, NIT Silchar

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### **About the Short Term Course**

The main objective of this short term course is to focus on the recent trends in power distribution systems especially in Indian scenario. With the deregulation of power markets and improvement in automation, the power distribution system has undergone considerable changes. The incorporation of distributed energy resources has brought into considerable changes in the characteristics of power distribution system. The concept of Microgrid has opened a new horizon. Battery storage devices have brought into new opportunities. In the present competitive market, the operation and control of the power distribution system is of immense importance in order to meet the growing demand of uninterrupted quality power. This short term course is aimed at familiarising the participants with recent development and challenges in power distribution system. The program will be enlightened by invited experts from reputed institutes and industries across the country.

### **Highlights**

- Operation and control of microgrid.
- Natural disaster and power restoration

- Reliability of power distribution system
- Renewable energy integration in Power distribution
- Opportunities of battery storage devices
- Demand side management and V2G technology

### **Tentative Resource Persons**

- Dr. Dipayan Guha, MNIT Allahabad
- Dr. Dipankar Debnath, IIT Kharagpur
- Dr. P. K. Tiwary, MNIT Allahabad
- Dr. Aniruddha Bhattacharya, NIT Durgapur
- Dr. J. Balamurugan, TANGEDCO
- Prof. Nidul Sinha, NIT Silchar
- Prof. N. B. Dev Choudhury, NIT Silchar
- Dr. Partha Kayal, NIT Silchar
- Dr. Saheli Ray, NIT Silchar
- Dr. Sreejith.S , NIT Silchar

### **Important Dates**

Last date (Online Registration): 16-09-2020  
Confirmation by E-mail: 17-09-2020  
Duration: 18-09-2020 to 22-09-2020

### **Eligibility**

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

### **Registration**

**Registration fee: Nil**

Online Registration link:

[https://docs.google.com/forms/d/e/1FAIpQLSezOnDwS3IB\\_d8gn3TBY2I5SqP7v3CyoPKiYggGh6ns8ZZ87g/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSezOnDwS3IB_d8gn3TBY2I5SqP7v3CyoPKiYggGh6ns8ZZ87g/viewform?usp=sf_link)

### **Certification**

E-certificates will be provided to participants attending the program without any absenteeism.

### **Contact details**

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