

## Registration Form

### ONE WEEK Short Term Course on Challenges in Operation and Control of Distributed Energy Resources (COCDER'19)

(A Programme under TEQIP-III)  
26<sup>th</sup> - 30<sup>th</sup> July, 2019

1. Name :- .....  
(Block Letter) .....
2. Designation :- .....  
.....
3. Organization :- .....  
.....
4. Address for communication :- .....  
.....
5. Ph. No :- .....  
.....
6. Email Address :- .....  
.....
7. Educational Qualification :- .....  
.....
8. Accommodation required :- **Yes/No**
9. Payment Details :- .....  
(DD Receipt no) .....

Place:- ..... Date:- .....

Signature of the applicant :- .....

Recommended by HOD/ HOS

(Signature & Seal)

## ONE WEEK Short Term Course on Challenges in Operation and Control of Distributed Energy Resources (COCDER'19) (A Programme under TEQIP-III) 26<sup>th</sup> - 30<sup>th</sup> July, 2019

### Coordinators

Dr. P. Kayal                      Dr. S. Ray  
Dr. A. Kumar                      Dr. P. K. Tiwari



### Organized By

**Electrical Engineering Department**  
**National Institute of Technology Silchar**  
(An Institute of National Importance)  
Silchar, Cachar, Assam, India, 788010  
[www.nits.ac.in](http://www.nits.ac.in)



## Committee

*Chief-Patron* Prof. Sivaji Bandopadhyay  
Director, NIT Silchar

*Patron* Prof. N. B. Dev Choudhury  
HOD, EED, NIT Silchar

Dr. Sukumar Pati  
Coordinator, TEQIP-III

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Prof. N. Sinha                      Prof. B. K. Roy  
(EED)                      (EED)

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Dr. T. Pradhan

## About NIT Silchar

National Institute of Technology (NIT) Silchar, an Institute of National Importance under the NIT Act, was established in 1967 as Regional Engineering College (REC) Silchar in Assam. In the year 2002, it was upgraded to the status of an NIT from REC. NIT Silchar is situated on the banks of river Barak and on a sprawling campus spread over 600 acres of land on the outskirts of Silchar. NIT Silchar is a fully residential Institution. At present it offers six undergraduate courses in Civil, Electrical, Mechanical, Electronics & Communication, Computer Science & Engineering and Electronics & Instrumentation Engineering. All the departments of the Institute also offer M. Tech. and Ph.D. programmes.

## About the Department

The department offers core courses in Control Systems, Power Systems, Electrical Machines, Instrumentation, Switchgear and Industrial Protection, Microprocessors and Microcontrollers etc. The state-of-the-art Lab facility exists in the department like Machine Lab, Microprocessor & Embedded System Lab, Computational Lab and Advance Control Lab, etc. to name a few. Various research and development activities are taken up by the department to put the students on busy schedules enabling them to blend to the modern industrial requirements. The department regularly organizes seminars, workshops, conferences at national and international level.

## About the Course

Increased application of distributed energy resources (DERs) creates new technical challenges for operation and control of power delivery system. This workshop is aimed at familiarizing the UG, PG, Ph.D students along with industry personals having electrical engineering background on the recent developments and opportunities in the new power system paradigm. This workshop will be enlightened by experts invited from IITs, NITs and other reputed institutes across the country.

## Highlights

- \* Present scenario of distributed energy resources (DERs)
- \* Recent challenges of large scale integration of DERs and its sustainability
- \* Integration of generation from renewable sources to the grid via power electronics interface
- \* Control of DERs in grid connected and islanded mode of operation
- \* Modern protection issues of DERs
- \* Hands on training session on modelling/control of power converters for DERs

## Tentative Resource Persons

1. Prof. Chandan Kumar Chanda, IEST Shibpur
2. Dr. Dipankar Debnath, IIT Kharagpur
3. Prof. Vishal Verma, DTU
4. Dr. Sumit Pramanick, IIT Delhi
5. Dr. Aniruddha Bhattacharya, NIT Durgapur
6. Prof. Yog Raj Sood, NIT Hamirpur

## Eligibility

This program is open to faculty members, industrial personnel and students including research scholars, PG and UG students of technical institutes, engineering colleges universities & other recognised institutes.

## Accommodation and Travel

Limited paid accommodation may be provided to the external participants on first come first serve basis in institute guest house or hostels subject to availability. For more details about guest house please visit NIT Silchar website. No TA and DA will be paid to the participants.

## Fees Details

Industry Persons:	Rs. 4000/-
External Faculty members:	Rs. 2000/-
External Students:	Rs. 1000/-
Internal Faculty members:	Rs. 1000/-
Internal Students (PG & PhD) :	Rs. 500/-
Internal Students (UG)	Free

## Registration

All participants have to pay registration fees before submitting application either

(i) Via DD in favour of Director NIT Silchar, Payable at State Bank of India, NIT Silchar branch or

(ii) Online transfer to the account of the Director, NIT Silchar (A/C No.: 10521277057, Branch: NIT Silchar).

Brochure and registration form can be downloaded from the institute website: <http://www.nits.ac.in>.

## How to submit

Scanned copy of the signed registration form along with payment details to be sent to the email id [cocder19@gmail.com](mailto:cocder19@gmail.com) on or before 18<sup>th</sup> July, 2019. However, original money receipt has to be submitted at the time of registration along with the registration form.

## How to reach NIT Silchar

Silchar is well connected by air, rail & road. Silchar is situated at a road distance of 334 Km from Guwahati. NIT silchar campus is 10 Km away from silchar railway station and 35 Km away from silchar airport.

## Address for Communication

**Dr. P. Kayal**  
(+91 9732555071)

**Dr. S. Ray**  
(+91 8794772113)

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(+91 9435389201)

**Dr. A. Kumar**  
(+91 9818209336)