

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 Power Systems, Control 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.

Eligibility

This program is open to faculty members, industrial personnel and students including research scholars, PG and UG students of recognized technical institutions.

Accommodation and Travel

No accommodation will be provided to the external participants in the institute guest house but arrangements can be made in nearby hotels on first come first served basis. No TA and DA will be paid to the participants.

Address for Communication

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Dr. D.C. Das Dr. A. K. Goswami
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About the Course

The workshop on “Recent Challenges in Integration and Energy Management of Wind and Solar PV Generation under the Paradigm of Smart Grid” is scheduled to be held during 17th – 21st November 2018. Experienced experts from IITs and NITs are invited to deliver on relevant topics. This course will open up several new paths of research and applications for PG, Ph.D scholars, industry personals and final year UG students in the areas of integrated and smart power system.

ONE WEEK WORKSHOP ON Recent Challenges in Integration and Energy Management of Wind and Solar PV Generation under the Paradigm of Smart Grid

(A Programme under TEQIP-III)

17th – 21st November, 2018

Coordinators

Dr. C. Bhattacharjee Dr. P. K. Tiwari
Dr. D.C. Das Dr. A. K. Goswami

Organized By:



**Electrical Engineering Department,
National Institute of Technology Silchar**

Course Objectives

The course is designed to create awareness about different power problems arising with increased injection of renewable energies, as an inevitable future in energy supply, into the distribution system. Causes and remedies in PQ problems due to increased non-linear & unbalanced loading, switching etc. will be discussed. Furthermore, issues in smart grid system such as energy management, demand side management and internet based communication will be also emphasized.

- ❖ Challenges in integration of renewable energy generators with the conventional grid/micro-grid
- ❖ Use of energy storage devices in micro-grids.
- ❖ Energy Management and demand side management in smart grid.
- ❖ Power Quality Control at the load end.
- ❖ Design concepts in wind turbines.

Tentative Speakers

1. Prof. S.A.Khaparde, IIT Bombay
2. Prof. S. Neogi, Jadavpur University.
3. Prof.D. Kasta, IIT Kharagpur
4. Prof. S. K. Biswas, Former Professor, J.U.
5. Prof. N. Sinha, NIT Silchar
6. Dr. D. Jena, NIT Surathkal

Committee

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

Patrons Prof. N. B. Dev Choudhury
HOD, EED, NIT Silchar
Dr. P. J. Roy
Coordinator, TEQIP-III

Advisory Committee

Prof. S. Baisya, Prof. M. A. Ahmed,
Dean (Academic) Dean (R&C)
Prof. N. Sinha Prof. B. K. Roy

Organizing Committee

Prof. S. Choudhury	Dr. L. C. Saikia
Dr. J. P. Mishra	Dr. N. Soren
Dr. P. Roy	Dr. R. K. Biswas
Dr. D. K Raju	Dr. S. Ray
Dr. T. Malakar	Dr. R. Dey
Dr. P. Kayal	Dr. A. Pati
Dr. N. Adhikary	Dr. A. Kumar
Dr. D. C. Das	Dr. C. Bhattacharjee
Dr P. K. Tiwari	Dr. A. K. Goswami

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>.

Fees Details

Industry Persons:	Rs. 5000/-
External Faculty members:	Rs. 3000/-
External Students:	Rs. 1000/-
Internal Faculty members:	Rs. 1000/-
Internal Students (PG & PhD) :	Rs. 500/-
Internal Students (UG)	Free

How to submit

Scanned copy of the signed registration form to be sent to the email id on or before 13th November, 2018. However, original money receipt has to be submitted at the time of registration along with the registration form.

REGISTRATION FORM

One Week Workshop
On

Recent Challenges in Integration and Energy
Management of Wind and Solar PV Generation
under the Paradigm of Smart Grid

(A Programme under TEQIP-III)

17th – 21st November, 2018

1. Name (block letter):
2. Designation:
3. Organization:
4. Address for communication:
5. Ph. No.:
6. E-mail:
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)