

About the Institute

National Institute of Technology (NIT), Silchar is one of the 30 NITs of India and was established in 1967 as a Regional Engineering College in Assam. In 2002 it was upgraded to the status of NIT and was declared as Institute of National Importance under the National Institutes of Technology Act, 2007. Recently as per the year 2017 the institute is ranked 53rd NIRF MHRD by Govt. of India. The climate of Silchar during February is very pleasant with normal temperature around 20-25 C and little cloudy.

NIT Silchar is a fully residential institution with nine hostels for boys and two hostels for girls. It has six engineering and five non-engineering branches offering undergraduate, post-graduate and doctoral degree in various fields of science, technology, and management.

About Department

The Department of Electronics and Instrumentation Engineering was established in 2009. The department currently offers B.Tech and M.Tech degree in Instrumentation with an intake of 60 and 10 respectively. The department has several well equipped laboratories for the regular course as well as research. The department offers doctoral degree in various fields like Instrumentation, Control, Signal processing, Human Computer Interface, Communication, VLSI and Drug delivery. The department is actively engaged in teaching as well as research.

How to Reach NIT Silchar

There are daily flights from Kolkata, Guwahati. Taxi is available from Airport to NIT Silchar. Silchar is also well connected by road and train. The bus stand and railway station are 7 km and 9 km away from NIT Silchar respectively.

Important Dates

Registration deadline: 5th March, 2018.
(DD in original should be submitted on the first day of the workshop i.e. 13th March, 2018.)

Registration Process

External Students & Research Scholar:

Rs 500/-

External Faculty: Rs 1500/-

Industry Person/Scientist/Engineer: Rs 2500/-

External participants have to make payment via DD in favour of **Director NIT Silchar**, Payable at **State Bank of India, NIT Silchar Branch** or Online payment (A/C No. **10521277057, Name: Director, NIT Silchar, IFSC: SBIN0007061**. Brochure and Registration form can also be downloaded from the institute website:

<http://www.nits.ac.in>

Scanned copy of Registration Form and Brochure along with DD/Online payment receipt and identity proof are required to be sent via email to (ranjayhazra87@gmail.com) on or before **5th March, 2018**.

The hard copy of original registration form and DD has to be submitted before the commencement of course at the registration desk.

Whereas, for **internal participants** there is no registration fees, but the scanned copy of filled up registration form needs to be sent by mail before due date and also the hard copy as mentioned above. Further seats are limited for the internal participants.

Accommodation and Travel

All the outstation Participants will be provided accommodation at very nominal rates on payment basis in the Guest House/ Hostels of the Institute. Participants will be provided high tea and lunch during the days of the course i.e., from 13th March to 17th March. No TA and DA will be paid to the participants.

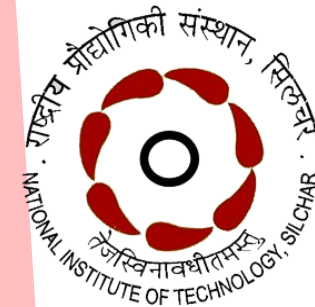
One week Short Term Course

on

RECENT TRENDS IN COMMUNICATION, SIGNAL PROCESSING AND SOLID STATE DEVICES

(Under TEQIP III)

13th March to 17th March, 2018



Organized by

**Department of Electronics and
Instrumentation Engineering**

National Institute of Technology Silchar
(An Institute of National Importance)
Silchar, Cachar, Assam, India, PIN-788010

www.nits.ac.in

About the Course

The advent of technology has industrialized the industrial and education society. Despite its success, there are several aspects which need significant improvements. A comprehensive interdisciplinary research and development effort is needed to address these issues. The course aims at providing comprehensive coverage of most emerging research topics in various fields related to Communication Systems, Signal processing and Solid State Devices as they are not only interrelated but also independent. Signal processing is a ubiquitous technology which plays the central role in many different areas of applications, e.g., audio, video, image and speech processing, communications, healthcare, automotive safety and surveillance, safety and security of underground pipelines transporting water, oil and natural gas, and many more. Typical Signal Processing algorithms are computation intensive and at the back end uses Solid State devices. Solid-state Devices also focuses on the development and improvement of electronic, optoelectronic and micro- and nano-electromechanical devices for a variety of applications.

Objectives

The objective of the short term course provide theoretical and practical background on most recent developments in the field of Communication Systems, Signal Processing and Solid State Devices to the participants. The course aims in bringing academicians from institute of repute to provide insights through their talks and in depth discussion.

Eligibility

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

Patron

Prof. Sivaji Bandyopadhyay,
Director, NIT Silchar

Chairman

Dr. Rajdeep Dasgupta
HOD, Dept. Of EIE, NIT Silchar

Advisory Members

Dr.S.H. Laskar, Associate Prof., Dept. of E&IE

Mr. L. Seban, Assistant Prof., Dept. of E&IE

Mrs. J. Hazarika, Assistant Prof., Dept. of E&IE

Dr. M. Khanra, Assistant Prof., Dept. of E&IE

Dr. S. Sahoo, Assistant Prof., Dept. of E&IE

Dr. M. K. Bera, Assistant Prof., Dept. of E&IE

Mr. S. Sarkar, Assistant Prof., Dept. of E&IE

Mr. B. Roy, Assistant Prof., Dept. of E&IE

Mr. Arka Bhattacharya, Assistant Prof., Dept. of
E&IE

Mr. Kalyan Bhattacharjee, Assistant Prof., Dept.
of E&IE

Mr. Anupam Sarmah, Assistant Prof., Dept. of
E&IE

Name of Experts

1. Prof. Adrish Banerjee, Associate Prof., Dept. of Electrical Engineering, IIT Kanpur.
2. Prof. C. A. Murthy, Machine Intelligence Unit, ISI Kolkata.
3. Prof. P. K. Biswas, Dept. of Electronics and Electrical Communication Engineering, IIT Kharagpur.
4. Prof. Shankar Prakriya, Department of Electrical Engineering, IIT Delhi.
5. Prof. Pratima Agarwal, Dept. of Physics, IIT Guwahati.
6. Dr. Sudeb Dasgupta, Associate Prof. , Dept. of Electronics and Comm. Engineering, IIT Roorkee.
7. Dr. Amioy Kumar, Intel Bangalore.
8. Dr. Debarati Sen, Assistant Prof., G. S. Sanyal School of Telecommunication, IIT Kharagpur.
9. Dr. Nilesh Kumar, Principal Scientist, CSIR-CSIO, Chandigarh.

Coordinators

Dr. Ranjay Hazra,
Assistant Prof., Dept. of E&IE
E. ranjayhazra87@gmail.com
M. +91-7579076225

Dr. Arun Kumar Sunaniya
Assistant Prof., Dept. of E&IE
E. arun.sunaniya@gmail.com
M. +91-9993118811

Mr. Sudarsan Sahoo
Assistant Prof., Dept. of E&IE
E. sura.cuttack@gmail.com
M. +91-8761932350

Short Term Course
On
Recent Trends in
Communication, Signal Processing and Solid State Devices

13th March to 17th March, 2018

Organized By:
Department of Electronics and Instrumentation Engineering
National Institute of Technology, Silchar

Registration Form

Name in Block Letters: _____

Gender: MALE / FEMALE

Designation: _____

Organization: _____

Address for Communication: _____

Mobile No: _____ Email: _____

Educational Qualification: _____

DD No/ Online Payment details: _____

Name of Bank: _____

Branch: _____

Required Accommodation (Paid): YES / NO

Signature of Applicant (With Date):