

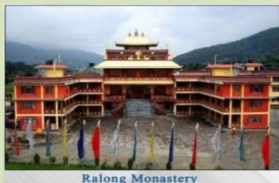
About NIT, Sikkim

National Institute of Technology Sikkim, an institute of national importance is one among the ten newly sanctioned NIT(s) by the Government of India in 2009. The institute is offering B. Tech programs in Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, and Civil Engineering. Moreover, the institute offers M.Tech programs in Microelectronics & VLSI Design, Electrical and Electronics Engineering, and Computer Science Engineering. The Institute also offers M Sc. program in Chemistry and Ph. D program in all departments.

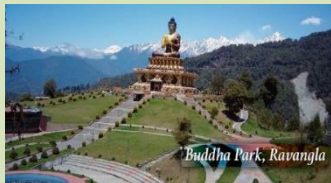
The Dept. of ECE offers research in the areas of ASIC & Modeling and Optimization of High Performance Semiconductor Devices, Microwave Engineering & Antenna Design, Wireless Communication, Signal Processing, Satellite Communication and Navigation. The Dept. has good laboratory facility with modern equipment to encourage the students to cope up with the latest technologies. The Dept. of CSE offers research in Cryptography, Network Security, Parallel-Distributed and High-Performance Computing, Algorithms, Bioinformatics, Computer Animation, System Software, Software Engineering, Cloud Computing and Wireless and Sensor Networks. The Dept. of EEE deals with areas such as electricity, electronics and electromagnetism. It equips the students with knowledge in various areas like power electronics, control systems, signal processing, robotics etc. The Dept. of ME offers research in the areas of Thermal Engineering, Fluid Mechanics, Design & Dynamics and Production Engineering and also multi-disciplinary fields. The Dept. of CE is actively engaged in research areas such as design, construction, and maintenance of the physical and naturally built environment, including works like roads, bridges, canals, dams, and buildings.

Workshop Venue

Presently, National Institute of Technology Sikkim is located in a temporary campus at Ravangla, in South Sikkim. NIT Sikkim is located 3 km. away from Ravangla which is a tourist town and it is connected by highway to other major towns in the state and lies between Pelling and Gangtok. The New Jalpaiguri Railway Station and Bagdogra Airport are respectively 125 and 130 km away from the campus. Ravangla is situated at an elevation of 2100m surrounded by Himalayan terrain and famous for tourist spots such as Budha Park, Temi tea garden, and Ralong Monestery.



Ralong Monastery



Buddha Park, Ravangla

About INAE

The **Indian National Academy of Engineering (INAE)**, founded in 1987 comprises India's most distinguished engineers, engineer-scientists and technologists covering the entire spectrum of engineering disciplines. INAE functions as an apex body and promotes the practice of engineering & technology and the related sciences for their application to solving problems of national importance. The Academy also provides a forum for futuristic planning for country's development requiring engineering and technological inputs and brings together specialists from such fields as may be necessary for comprehensive solutions to the needs of the country.

Background

The current research in Electronics and Communication Engineering has emerged as a very important technology in modern electronics featuring deep sub-micron manufacturing processes, low voltage operations, exploding speeds and smart programmable devices. The electronics industry worldwide is rapidly approaching another revolutionary leap in the global market scenario. This imparts the electronics industry a potential to create designs of incredible densities and lightning speeds while utilizing batteries to power them. This has had a phenomenal impact on widespread applications ranging from consumer electronics, communications, and defense to just about everything.

Objective of the workshop

The workshop targets to include the following themes with particular emphasis to Advanced Communication Techniques, Microwave Engineering, Advancement in Antenna Design, Digital and Analog VLSI, Data Mining and Structural Engineering. VLSI Circuit is a leading field to design modern Electronic and Communication Systems. The main objective of this workshop is to provide the theoretical and practical knowledge of the current avenues of research in Electronics and Communication Engineering that shall be beneficial for UG, PG students and faculty members. During this program the academicians and industry personnel in their respective areas of expertise will discuss the fundamental learning and recent advancements in the above mentioned domains. This workshop also aims to give ample opportunity for hands-on training on CADENCE, HFSS, CST MWS and FPGA board.

Benefit of attending the workshop

Enhancement of technical skills and professional competency of the participants working in the field of VLSI, Microwave Engineering, Communication Engineering, Data Mining and Structural Engineering. Moreover it is expected to build professional network among the participants and experts.

One Week Workshop

on

Recent Advances in Engineering Science and Technology

(March 1ST-to-05th, 2020)

Jointly organized by

National Institute of Technology Sikkim

(Sponsored by TEQIP-III)

&

INAE Kolkata Chapter



National Institute of Technology Sikkim

Ravangla, South Sikkim, India, -737139

Website: www.nitsikkim.ac.in

Resource Persons

Distinguished experts from IIT's, NIT's, IEST Shibpur, ISI Kolkata, University of Calcutta, and other eminent Universities, reputed educational and research organizations.

Participants

UG and PG students (M. Tech, PhD scholars), faculty members of various Engineering Institutions and the professionals from industries and research organizations. The interested persons need to apply through proper channel to the Course Coordinator in the prescribed format by due date.

Registration

- Registration is compulsory for participation.
- Registration fee for Industry Professionals/ faculty members: Rs. 1000/-
- Registration fee for student participants: Rs. 500/-.
- The Registration fee need to be paid in the form of DD (demand draft) in favour of DIRECTOR NIT SIKKIM, Payable at Gangtok. or by NEFT in the below mentioned account:

A/c Name: DIRECTOR NIT SIKKIM
A/c No.: 31996269106 ; IFSC: SBIN0007218
State Bank of India, Ravangla Branch

- Registration fee is exempted for the faculty members and students of NIT Sikkim.
- The complete registration form along with DD/ NEFT receipt need to reach to the following address on or before **27.02.2020**,
HOD, ECE, Dept. of ECE, National Institute of Technology Sikkim, Ravangla, South Sikkim-737139.
- The workshop kit, lunch (excluding In-house students) and refreshments will be provided during the workshop to the registered participants only.
- The **scanned copy** of duly filled registration form and DD/ NEFT receipt shall be mailed on or before **24.02.2020** to **workshop-ece@nitsikkim.ac.in** and **surajit.kundu@nitsikkim.ac.in**.
- No TA/DA will be paid to the participants for attending the workshop.
- Accommodation of external participants can be arranged on direct self-payment basis.
- Numbers of seats are limited.
- The selected candidate will be informed in advance through email.

Contact Persons

Dr. Surajit Kundu (voice: +91-7479013221, email: surajit.kundu@nitsikkim.ac.in) and **Dr. Jeetendra Singh** (voice: +91-8729098787).

Advisory Committee

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Prof. Bhargab B. Bhattacharya, ISI Kolkata
Prof. Debatosh Guha, University of Calcutta
Prof. Subrata Chakraborty, IEST Shibpur
Prof. Pragati Kumar, Delhi Technological University
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Prof. M M Sharma, MNIT Jaipur
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Assistant Professor,
Dept. of ECE, NIT Sikkim

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Dr. Sudipta Das, Asst. Prof., Department of ECE



Registration Form for One-Week Workshop on

Recent Advances in Engineering Science and Technology

(March 01ST-to-05th, 2020)

Name: Dr./Mr./Ms. _____

Designation: _____

Dept./Specialization _____

Organization: _____

Address for Correspondence: _____

Contact No: _____

E-mail ID: _____

DD/NEFT Txn. No.: _____

Date of Payment: _____

Signature & date.: _____

RECOMMENDATION FROM THE HEAD OF THE ORGANIZATION:

The applicant is here by recommended to attend the workshop if selected.

Signature and Seal:

Date: