PROGRAM OBJECTIVE

Nano in its various formats has changed the landscape not only for electronics, but also for human enterprise in planning the future of a community, state, country, and the planet Earth. On the other hand, engineering, a process of synthesis, is an engine of innovations, inventions, and growth. The primary objective of the workshop is to professionalize and train the participants in the field of nanoelectronics and its applications in various fields. It will give conceptual level of knowledge to industry standards. This workshop further focuses on:

- Demonstration of facilities for growth at nano-dimension
- Exhibition of the sophisticated instruments to characterize nanostructures

TOPICS COVERED

- Overview of Emerging Nanotechnology
- Introduction to Nanoelectronics
- Nanoscience for Future Electronic Devices
- Nanoelectronics Devices growth Technologies
- Nanodevice characterization techniques
- Prospect of Nanoelectronics in remedy of scaling issues
- Nanoelectronic devices for photoelectric conversion applications

ELIGIBILITY

- ❖ Faculty & (Educational Institutions)
- ❖ Student & Research Scholars
- ❖ Industry Persons

REGISTRATION FEES

Faculties:	INR 2,000/-
Industry Person:	INR 2,500/-
Students:	INR 500/-

THE DD SHOULD BE SENT TO (ONLY BY SPEEDPOST)

Dr. N. Khelchand Singh
Assistant Professor, Department of Electronics and Communication Engineering, NIT Nagaland
Chumukedima - 797103, Nagaland

IMPORTANT DATES

Registration Deadline: **25th April 2018**
(DD in original should reach by **25th April 2018**)

HOW TO REACH

The campus is well-connected with all means of transportation. Dimapur Airport is 12.6 kms from the Institute and the distance of Dimpaur railway Station is about 17.6 kms.

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PATRON

Director, NIT Nagaland

CONVENER

Dr. P. Chinnamuthu
Assistant Professor and Head
Department of Electronics and Communication Engineering
Contact: +91-8974486446
Email: chinnamuthu@nitnagaland.ac.in

CO-ORDINATOR

Dr. Jay Chandra Dhar, Assistant Professor
Dr. Naorem Khelchand Singh, Assistant Professor
Dr. G. Seetharaman, Associate Professor
Dr. Debadatta Pati, Assistant Professor
Dr. Bijit Choudhuri, Assistant Professor
Department of Electronics and Communication Engineering

ORGANIZING COMMITTEE

Mr. Madhusudan Singh
Ms. P. Roji Chanu

REGISTRATION FORM

Name: .....

Designation: .....

Qualification: .....

Organization: .....

Address for Correspondence

……..

.....

Tel. (O)…….....……..

(M).....

E-mail: ……....

DD Particulars:

Amount: .....

No.....

Date…….....

Bank.....

[Demand Draft (DD) should be in favour of **"Director, NIT Nagaland",** payable at SBI Chumukedima, Nagaland]

The filled registration form with scanned DD should be sent to mail id: Khelchand@nitnagaland.ac.in on or before Registration deadline.

Date: Signature of the
Place: Applicant

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering is one of the major departments of NIT Nagaland. This department is offering four years B. Tech. and two years M. Tech (VLSI Systems and Communication Engineering) programmes. The department is facilitated with laboratories like VLSI lab, Embedded Systems Lab, Microprocessor and Microcontroller Lab, Nanomaterial growth and characterization Lab, Basic Electronics Lab, Digital Lab, Analog Lab, and Communication Lab.

ABOUT THE INSTITUTE

National Institute of Technology Nagaland, a premier institute of higher learning, is one of the thirty-one institutes established by the Ministry of Human Resource Development (MHRD), Government of India. The basic aim of the Institute is to provide quality technical education, conduct original research of high standards and provide leadership in technological innovations for industrial growth and primarily for enhancing the scope of technical education in the state of Nagaland. The Institute offers under graduate and post graduate programmes in various branches of engineering like Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Civil Engineering and Electronics and Instrumentation. The Research activities are focused in the thrust areas of Nanoelectronics, 5G Communication, Speech Processing Control Systems, Power Systems, RF Communication, Mobile Communication, Smart Grid, Big Data Analytics and Internet of Things

WORKSHOP

On

"Recent Trends in Nanoelectronics"

Sponsored by

TEQIP-III

April 26-30, 2018

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NATIONAL INSTITUTE OF TECHNOLOGY NAGALAND
CHUMUKEDIMA – 797103