

Registration Form

Name of the Applicant (first, last):

Affix passport
size
photograph

Father's Name:

Mother's Name:

Gender:

Date of Birth:

Designation:

Highest Qualification:

Name and Address of the Organization/Institute:

Postal Address:

Category : (GEN/OBC/SC/ST/Others)

City/town:

Email:

Phone Number:

Mobile Number:

Do you need accommodation?

(Yes/No):

Transaction ID (Applicable for Online

Transaction):

Signature of the Applicant:

Signature and Seal of the Forwarding Authority

Name

Designation

Note:

i) The Faculty/Staff are requested to submit the NOC from respective department before attending the session.

iii) The participant need to carry the Institute/Organization valid Identity Card (Both in Original & Photocopy).

iv) For hostel kindly requested to please call course coordinator

(+91-9471173367)

Course Coordinators from Academy

- **Prof. Ratnajit Bhattacharjee**
Principal Investigator,
E&ICT Academy, IIT Guwahati.
- **Dr. Gaurav Trivedi**
Co-Principal Investigator,
E&ICT Academy, IIT Guwahati.

How to reach NIT Manipur

Imphal is connected to KOLKATA , NEW DELHI , GUWAHATI, AIZAWL , DIMAPUR & SILCHAR by Air India, Jet Airways, Indigo, Kingfisher & NE Shuttles. Daily flights are available form Delhi, Kolkata and Guwahati with more than 3 flights daily.

By Bus to Imphal

- From Guwahati daily on the NH 39 via Dimapur and Kohima many private buses available.
- From Dimapur daily on the NH 39 via Kohima Manipur many private buses available.
- From Silchar daily on the NH 53 via Jiribam many private buses available.

By Train to Imphal

There is no direct train service to Imphal. But travellers can travel upto Guwahati (478 km) or Dimapur (210 km) (nearest rail head from Imphal) and then rest by bus or by air.

How to Reach NIT Manipur?

The Institute has two campus (Permanent and temporary). Permanent campus is located at Langol Lamphel and Temporary at Takyel. Both the campus are around 4-6 km from airport and within 3 km from bus stand. The Imphal City is also only 4-5 km from airport. Local Taxis and Autos are available at Airport and Bus stands.

Registration Fee including GST

Registration Fee (Including Course Material, Snacks and Lunch)

- Free for Students of NIT Manipur.
- Rs. 5,900/- for Industry Personnel, Student & Research scholars from other institutes



सत्यमेव जयते

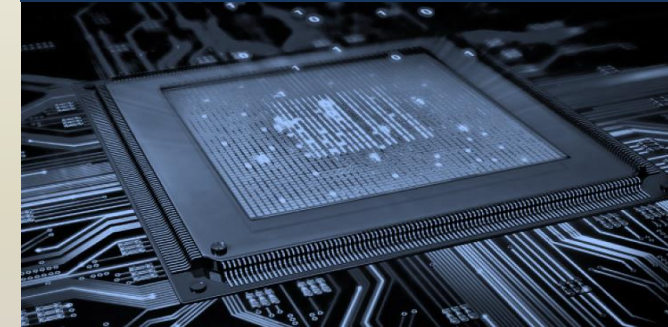
An Initiative of
Ministry of Electronics & Information Technology
(MeitY),
Government of India



Electronics & ICT Academy
IIT Guwahati, Assam



Workshop on Device Modeling using Synopsys Sentaurus (16-20 September, 2019)



Organized in association with



NIT Manipur under TEQIP III



VLSI System Design

Course Date: 16 – 20 September 2019

Last Date of Registration: 10.09.2019

(Online Registration Link will be open from 05.08.2019)

Venue: NIT Manipur

Objective of the Course

This workshop is intended as an introduction to TCAD Sentaurus tool suite. We will take an example of 180nm n-channel MOSFET structure and simulate it in 2-dimension. At the end of the workshop, students will be able to model and simulate an entire 2-inverter SRAM and generate butterfly curve, which is very useful to measure signal to noise ratio. The following topics will be covered:

- The importance of MOSFET device and TCAD flow modelling
- NMOS drain current and device modelling
- SPICE simulations
- Introduction to 16-Mask CMOS process
- PMOS drain current and device modelling
- NMOS/PMOS device BSIM model extraction using sdevice/svisual and “butterfly” curve analysis

Course Programme

Faculty Development Programme is split into three parts:

- Lectures.
- Labs/Hands-on sessions daily on Parallel Programming.
- Assignments and Project.

Contact Details

For more details or any queries please contact
Project Manager,

E&ICT Academy, IIT Guwahati

Email: eictacad@iitg.ac.in, eictacad@gmail.com

Phone No: +91-3612583182

Mobile No: +91 7086502139

(Working Hours 9:30 am to 5:30 pm)

<https://www.facebook.com/eictacadguwahati>



**Mode of Payment: Online Only
(RTGS/NEFT)**

For Online Transfer

Bank Name: State Bank of India

**Account Name: IIT Guwahati R and D E and ICT
Academy**

Account No.: 36071160089

IFSC Code: SBIN0014262

Bank Name: State Bank of India

Bank Address: IIT Guwahati, GHY- 39.

About E&ICT Academy

Electronics and ICT Academy is an initiative of Ministry of Electronics & Information Technology (MeitY), Govt. of India for Faculty/ Research Scholar Development Programme.

Academy has planned short term training programmes on fundamental and advanced topics in IT, Electronics & Communication, Product Design, Manufacturing with hands on training and project work.

Indian Institute of Technology Guwahati, the sixth member of the IIT fraternity, was established in 1994. The academic programme of IIT Guwahati commenced in 1995.



Assignment and Project

1. Assignments will be of the following type:
 - MCQ based questionnaire.
 - Programming Assignments (Problem statement will be provided.)
2. At the end of the course “Project” will be assigned to the participants which would be an application development

How to Apply

Online – The participants may log on to the E&ICT Academy, IIT Guwahati website: <http://eictacad@iitg.ac.in> and fill up the google doc application form.

**Contact Hours for the Course
40 Hrs (Theory, Hands-on & Tutorial)**

About NIT Manipur

NIT Manipur started its first session with the three branches of Engineering-Electrical & Electronics Engineering, Electronics & Communication Engineering and Computer Science & Engineering. It is presently functioning in its temporary Campus at Takyelpat, Imphal. The institute has acquired 341.5 acres of land in lush green areas of Langol, Imphal.



Who Can Attend

Programme is open to Research Scholars, PG & UG Students from Universities, Colleges & Schools. Industry Personnel working in the concerned/allied discipline may also apply.

Convenor Details from NIT Manipur

Dr. Bibhu Prasad Swain

Associate Professor

Department of Physics

&

Dr. Ashish Ranjan

Assistant Professor

Department of Electronics and Communication Engineering

National Institute of Technology Manipur

Langol, Imphal West,

Ph. No.: 9471173367

Email: ashish.ism@rediffmail.com

For details of the programme and course contents etc., please log on to Electronics and ICT Academy website:

<http://eict.iitg.ac.in/index.html>