Registration Form

Registration Fee including GST

Registration Fee (Including Course Material, Snacks and Lunch)

- Rs. 2,950/- for Faculty, Lab Technicians and Project Staff.
- Rs. 1,475/- for ST/SC Faculty, Lab Technicians and Project Staff
- Rs. 5,900/- for Industry Personnel, Research scholars and Students.

Note: For the students of NIT Mizoram please contact the Course Co-coordinator.

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.

Organizing Committee

Course Coordinator
- **Dr. Rudra Sankar Dhar**
  Assistant Professor & Head, Dept. of ECE, NIT Mizoram
Course Co-Coordinator
- **Mr. Satyabrata Dash**
  Temporary Faculty, Dept. of ECE, NIT Mizoram.

Experts Profile

Expert from Academia
- **Dr. Anand Bulusu**
  Associate Professor, Dept. of ECE, IIT Roorkee.
Experts from Industry
- **Mr. H. S. Jatana**
  Semi-Conductor Laboratory (GoI), Chandigarh.
- **Mr. G. Krishna Kumar**
  Product Engineer, Eigen Technologies Pvt. Ltd.

How to reach NIT Mizoram

By Air: The NIT Mizoram can be reached from the nearest Lengpui (Aizawl) Airport (approx. 35 km). While the city is within only 1 hr to 1.15 hr drive from Netaji Subhas Chandra Bose International Airport, Kolkata and Lokpriya Gopinath Bordoloi International Airport, Guwahati. There are two daily flights (Air India and Jet Airways) between Kolkata via Guwahati and Aizawl. Pre-paid taxi is easily available from the airport to reach the institute. The taxi fare is approx. INR 700 to INR 800.
By Train: Silchar is the nearest railway station to Aizawl. The journey (by road) from Silchar to Aizawl may take approx. 6 hrs by TATA Sumo (share basis) and are available from Mizoram Circuit House, Sonai Road, Silchar. The Sumo fare is appr. 300/-.
By Road: Guwahati to Aizawl: Private Buses (Network, Capital, etc.) are available from Guwahati. Booking Counters for these buses are located at Paltan Bazaar. The bus usually leaves at 02:00 PM from Guwahati. The journey to Aizawl by bus is approx. 24 hrs. Apart from that, TATA Sumos are available from Mizoram House, Christian Basti, G.S. Road, Guwahati (Evening). The journey to Aizawl by sumo is approx. 20 hrs. Silchar to Aizawl: TATA Sumos are also available from Mizoram Circuit House, Sonai Road, Silchar.

**An Initiative of
Ministry of Electronics & Information Technology (MeitY)
Government of India
Electronics & ICT Academy
IIT Guwahati, Assam**

A Short Term Course on

Application of Synopsys Sentaurus TCAD Tool in modelling devices

**From 08 – 12 October, 2018
In Association with
NIT Mizoram under TEQIP III**

**and Support from
EIGEN Technologies Pvt. Ltd.**

EIGEN
smart things for everyone

Last Date of Registration: 02.10.2018
(Online Registration Link will be open from 04.09.2018)
Venue: NIT Mizoram

Objective of the Course

This short-term course (STC) is designed for faculty/professionals/students who want to sharpen their design and development skills. This programme include extensive hands-on lab emphasizing the demonstration and application of techniques and skills of Simulation in various Synopsys - TCAD tools.

Course Outcome

The participants will be given a thorough understanding of the following topics:

- Aspects about Synopsys TCAD & its Methodology.
- GUI based Structure creation in Sentaurs Structure Editor (SDE).
- Visualization by Sentaurus Visual (SVISUAL).
- Project creation in Sentaurus Workbench (SWB).
- Device Simulation in Sentaurus Device (SDEVICE).
- Device Characteristics Extraction and Calibration.
- Visualization by INSPECT.
- Structure creation by Sentaurs Process (SPROCESS).
- Device Characteristics & Output extraction.

Assessment and Project

1. Theoretical Assessment will be MCQ based questionnaire everyday.
2. Practical Assessment will be based on the Assignments (Problem Statement will be provided everyday).
3. At the end of the course "Project" will be assigned to the participants which would be an application development.

Certificate with Grades will be given by E&ICT Academy, IIT Guwahati to the participants subject to fulfilment of attending all sessions, submission of assignments and clearing the test(s).

Course Programme

Short Term Course (STC) is split into two parts:
- Lectures.
- Assignments, Hands On and Project.

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

Who Can Attend

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

How to Apply

Online – The participants may log on to the E&ICT Academy, IIT Guwahati
Website:http://www.iitg.ac.in/eictacad/faculty_development.html and fill up the appropriate registration form.
Through Email – Scanned copy of the filled in application form duly endorsed by the forwarding authority is to be mailed at E&ICT Academy's email id (eictacad@gmail.com, eictacad@iitg.ac.in). Application format given in this brochure may also be downloaded from the website.

Contact Details

**For more details or any queries please contact
Project Manager,
E&ICT Academy, IIT Guwahati
Email: eictacad@iitg.ernet.in, eictacad@gmail.com
Phone No: +91-3612583182/3009
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&D E&ICT Academy
Account No.: 36071160089
IFSC Code: SBIN0014262
Bank Name: State Bank of India
Bank Address: IIT Guwahati, GHY- 39.**

About E&ICT Academy & IIT Guwahati

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.

**For more details please log on to our Website
https://www.iitg.ac.in/eictacad/**

About NIT Mizoram

The Ministry of Human Resources Development, Govt. of India vide its order no. F. 23-13-2009-TS-III, dated 30th of Oct. 2009 and 3rd March 2010, had decided to set up ten new NITs. In view of the above order, NIT Mizoram was started in the year 2010 in the state of Mizoram with an objective to impart education, research & training leading to B.Tech, M.Tech, M.Sc. & PhD. degrees. This institute has been declared as an Institute of National Importance by an Act of Parliament.
NIT Mizoram is an Institute situated in the scenic beauty of Mizoram, wrapped between clouds and mountain rocks, which adds to its beauty. Being among the most educated states of our country with a literacy rate of 91%, it beholds a very peaceful and calm environment suitable for studies. The Institute, to cope with the present competitive needs, comprises of laboratories with the latest equipment and installed with best & latest software.

About EIGEN Technologies Pvt. Ltd.

EIGEN Technologies Pvt. Ltd., New Delhi, an ISO 9001:2008 certified company, is conceived and groomed in India. EIGEN aims to compete with the world's best technological enterprises. Our team strives hard for ground breaking research, to help both Indians and people across the globe, by not just bringing the finest tech gadgets but also at most affordable prices. And to turn this dream into practical reality, EIGEN boost of its incredibly talented, enthusiastic & passionate engineers.