

Upcoming Courses in E&ICT Academy

- Advance Programming Languages & Operating System.
- VLSI Designing and Embedded System.
- Advance Parallel Programming & OS.
- Networking & Security.
- AI , Soft Computing , Data Mining and Machine Learning.
- Web and CAD CAM Designing.
- Android Application Design.
- Bigdata and Hadoop.
- Multimedia Designing.
- BPO Training Course.
- Cloud Computing and its application in different Area.
- CCNA (Routing & Switching).
- Network Protocol Testing & Test Automation.
- Relational Database Management System.

Upcoming Labs in E&ICT Academy

- Cadence Lab for VLSI Designing.
- Augmented Reality Lab for IoT.
- Mentor Graphics Lab for EDA.
- Xilinx for FPGA Broad development.
- Computer Lab with the latest tools for Training and Research Development.
- Communication lab with RF/Mobile Trainer Kit and DSP Processor facilities.
- ARM Processors for Advance Robotics and Power PC for Embedded System Design.

Infrastructure Support

- Smart Class with VC.
- Electronic Design Lab.
- Audio/Video Studio.

Address for Correspondence for E&ICT Academy, IIT Guwahati

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Invited Speakers

- *Dr. Amitabha Bhattacharya*
IIT Kharagpur.
- *Mr. Vivek Raghunath*
National Instruments, Bangalore.

E&ICT Academy, IIT Guwahati Speakers

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

Registration Fees NIL

Registration Link

<https://docs.google.com/forms/d/19UnlHjQe79V70hrTUZY01ubQG45bSOLiyahipxMpKck>

Address for Correspondence for the Workshop

Dr. Banani Basu

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Workshop on Antenna Design & Wireless Communication

(26th - 27th of August, 2016)

Hands on Sessions SDR & HFSS

Organized by

E&ICT Academy
IIT Guwahati

&

NIT Silchar



Program Schedule

Friday, 26th August 2016	
09:00 – 09:30	Registration
09:30 – 11:30	5G Wireless Communication by Prof. Ratnajit Bhattacharjee, IIT Guwahati.
11:30 – 11:45	Tea Break
11:45 – 12:45	Antenna Design Aspects for Next Generation Wireless Communication Design Optimization by Prof. Ratnajit Bhattacharjee, IIT Guwahati.
12:45 – 13:30	Lunch Break
13:30 – 14:30	Software Defined Radio by Prof. Rohit Sinha, IIT Guwahati.
14:30 – 14:45	Tea Break
14:45 – 17:45	Hands-On Software Defined Radio (SDR) Hardware /Software Interface Testbed Setup with SDR Signal design and analysis for 5G by National Instruments.

Saturday, 27th August 2016	
09:30 – 11:30	Hands on Training using HFSS/CST
11:30 – 11:45	Tea Break
11:45 – 12:45	Metamaterial inspired Antenna by Prof. Amitabha Bhattacharya, IIT Kharagpur.
12:45 – 13:30	Lunch Break
13:30 – 15:30	Hands on Training on different types of Metamaterials and Metamaterial inspired Antenna and Design of Transmission line based on Metamaterial Technology.
15:30 – 15:45	Tea Break
15:45 – 17:00	Initiatives by E&ICT Academy by Dr. Gaurav Trivedi, IIT Guwahati.
17:00 – 17:30	Query Session and Closing Ceremony

About E&ICT Academy IIT Guwahati

DeitY has sponsored a scheme entitled "Scheme of Financial Assistance for setting up of Electronics and ICT Academies". Electronics and ICT Academy would aim to provide specialized training to the faculties of Engineering, Arts, Commerce & Science college, Polytechnics etc, by developing state-of-the-art facilities.

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 using latest software tools and systems.

In addition, the Academy will conduct specialised/customised training programmes and research promotion workshops for corporate sector & educational institutions. It is envisaged that the Electronics and ICT Academy will become a central hub of activities on training, consultancy work and entrepreneurship programmes.

For more details log on to www.iitg.ernet.in/eictacad/

Intended Audience

Faculty members, Researchers from R&D Organizations, Post Graduate Students and Research Scholars from various Science and Engineering colleges and Polytechnics.

About NIT Silchar

National Institute of Technology (NIT) Silchar (an Institute of National Importance by MHRD, Govt of India), was established in 1967 as Regional Engineering College (REC) Silchar, Assam. In 2002, it was upgraded to NIT from REC. It is situated on the banks of river Barak and on a sprawling campus spread over 600 acres of land on the outskirts of Silchar. It is surrounded by beautiful lakes and hillocks. It offers six undergraduate courses and ten Post-Graduate courses. The department of Electronics & Communication Engineering offers B.Tech, M.Tech (Microelectronics and VLSI Design) and (Communication and Signal Processing Engg.) and PhD degrees. The department is equipped with state-of-art laboratories of VLSI Design, Microwaves, Signal processing, Communication Engg. with industry standard simulation tools and Equipments.

How to Reach NIT Silchar

There are daily flights from Kolkata, Guwahati, Imphal and Agartala. Silchar is also well connected by road. Buses run every day from Guwahati, Agartala and Imphal and provide day as well as night services. The preferred bus services are Capital, Network, ASTC, Jagannath and Royal Tours and travels. Rail connectivity is discontinued temporarily due to broad gauge conversion of railway tracks.