

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:

- The Faculty/Staff are requested to submit the NOC from respective department before attending the session.
- The Faculty member belonging to SC/ST Category need to carry caste Certificate(both in original & photocopy).
- The participant need to carry the Institute/Organization valid Identity Card (Both in Original & Photocopy).
- For hostel kindly requested to please call course coordinator (+91-7086502139)

Course Coordinators from Academy

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

Expert from Academia

- Dr. Santosh Biswas**
Associate Professor, CSE Department, IIT Guwahati
- Dr. Sonali Chouhan**
Assistant Professor, EEE Department, IIT Guwahati

Expert from industry

- Mr. Mahesh B S**
Application Engineer, TI India University Programme.
- Mr. Rajesh M**
Application Engineer, TI India University Programme.

How to reach IIT Guwahati

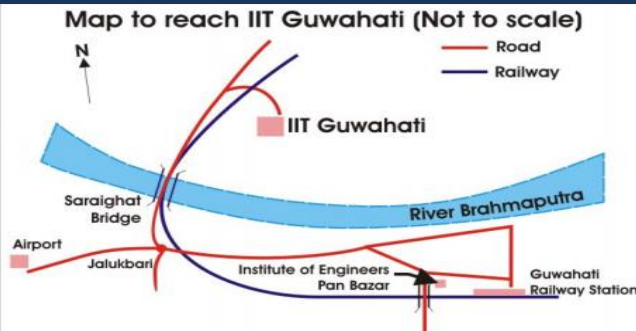
The Institute is located on the outskirts of the city of Guwahati. It is around 20 km from the heart of the city and around 35 min. drive from the airport. To reach the IIT Guwahati campus, all modes of transport are available.

From Guwahati Airport: Prepaid taxis are available from the airport to the IITG campus. Taxi fare should not exceed Rs. 500 from the airport to the IITG campus.

From Guwahati Railway Station: IIT Guwahati also has its own transportation facilities. Bus stoppage is situated at Panbazar near Reserve bank of India, which is around 200 mtr from Guwahati railway station. Bus timings are available at this link:

<http://www.iitg.ac.in/nwntd2018/images/bus-timings-2010.pdf>

Map



सत्यमेव जयते

An Initiative of
Ministry of Electronics & Information Technology

(MeitY),

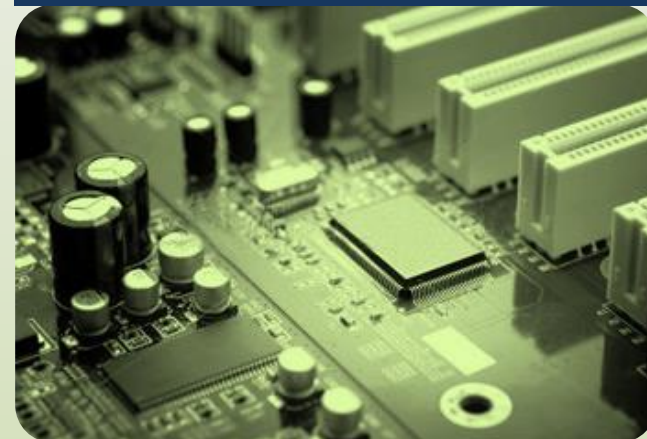
Government of India

Electronics & ICT Academy

IIT Guwahati, Assam

A Faculty Development Programme on

“EMBEDDED SYSTEMS”



from 19 - 25 April, 2018
& Support from TI University
Programme



Last Date of Registration:
15.04.2018

(Online Registration Link will be open from
05.03.2018)

Venue: IIT Guwahati

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. 1,770/- for Industry Personnel, Research scholars and Students.

Objective of the Course

This Faculty Development Programme 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.

Course Outcome

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

- Internet of Things: IoT Overview, opportunities and challenges.
- Introduction to MSP430, Architecture, peripherals, Memory and Low Power Modes.
- SPI communication between two Msp4302553
- Real Time System Design.
- Architecture and Hands-on TM4C123GXL Launchpad.
- Hibernation and wakeup on an RTC Interrupt.
- Introduction and Setting up CC3100 Booster pack as Server.
- Generation of Cloud based calls user.

Assignment and Project

1. Assignments will be MCQ based questionnaire.
2. At the end of the course "Project" will be assigned to the participants which would be an application development

Course Programme

Faculty Development Programme is split into two parts:

- Lectures.
- Assignments, Hands On and Project.

Topic to be Covered

1. Introduction to Embedded system
2. Architecture of ARM Cortex M4F(Tiva)
3. Introduction to Internet of Things (IoT)
4. Challenges and Opportunities in IoT
5. Access control in home automation using IoT
6. Monitoring Plants using IoT
7. Building Embedded Iot server
8. Streamline of Real world signals using cloud.

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.

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)



www.facebook.com/eictacadguwahati

How to Apply

Online – The participants may log on to the E&ICT Academy, IIT Guwahati

Website:

http://www.iitg.ernet.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.ernet.in). Application format given in this brochure may also be downloaded from the website.

**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.



About Digital Shark Technology

Digital Shark Technology is a provider of products, services and solutions to Academic, industrial and commercial users of electronic components and enterprise computing solutions. The company serves multiple suppliers & OEMs, contract manufacturers and commercial customers across the country.

This Company offers a wide spectrum of products and a broad range of services and solutions, including materials planning, design services, programming and assembly service and a variety of online support services.

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