

Registration Form

Name of the Applicant (first, last):

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Gender:.....

Father's Name.....

Mother's Name:.....

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):.....

.....

Signature of the Applicant:.....

Signature and Seal of the Forwarding Authority

Name

Designation

Note:

- i) Please submit the NOC from respective department before attending the session.
- ii) The participants belonging to SC/ST Category need to carry caste Certificate(both in original & photocopy).
- iii) The participant need to carry the Institute/Organization valid Identity Card (Both in Original & Photocopy).

Affix
passport
size
photograph

Registration Fee including GST

Rs. 5,900/- for Research Scholars and Students

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

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

Patron

Dr. Mridul Hazarika

Vice Chancellor, Gauhati University

Coordinator

Prof. Kandarpa Kumar Sarma

Head, ECE, GUIST

Advisors

Prof. Manab Deka

Director, GUIST

Prof. Tulshi Bezboruah

Head, ECT

Prof. Utpal Sarma, Head

Instrumentation & USIC

Dr. Eeshankur Saikia

Head, Applied Science, GUIST

Dr. Kandarpa Saikia

Head, BioEngineering, GUIST

About Gauhati University

The University of Gauhati, popularly known as 'Gauhati University', is the oldest and largest University at the North East India. Since its inception in 1948, it continues to be a leading teaching and research institution, offering courses in a wide range of disciplines. The University has forty-one Post Graduate Departments, an Institute for Distance and Open Learning (IDOL) and a constituent Law College in the main campus. It has 258 affiliated colleges, offering Under Graduate and Post Graduate courses in the Faculties of Arts, Commerce, Engineering, Fine Arts, Law, Management, Medicine, Science and Technology. The Mission of this University is to bring about social, economic, moral and spiritual up-liftment of the people of Assam.



सत्यमेव जयते

An Initiative of
Ministry of Electronics & Information Technology

(MeitY),

Government of India

Electronics & ICT Academy
IIT Guwahati, Assam

A Training Programme on



**“Internet of Things for emerging
Engineering Applications”
from 16 – 20 July, 2018**



In Association with
Gauhati University

&

Support from TI
University Programme
Digital Shark



**Last Date of Registration : 10.07.2018
(Online Registration Link open from 22.06.2018)
Venue: GUIST Building, Gauhati University,
Assam 781014**

Objective of the Course

This Training programme is designed for professionals/students who want to sharpen their design and development skills. This programme includes 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

- Learning of Arm-cortexM4F Architecture.
- Understanding the configuration of GPIO pins and power consumption reduction using hibernation in TIVA.
- Explore of Tiva Serial communication with Laptop/PC using UART and HTTP Server configuration of Tiva-cc3100.
- Introduction to IoT MSP430 and Wi-Fi cc3100 boards..
- Introduction to TIVA C series TM4C123GXL launchpad.
- Interfacing, reading and displaying the external sensor readings.
- PubNub and Freeboard Creating account on PubNub and Freeboard

Course Programme

Training Programme is split into two parts:

- Lectures.
- Assignments, Hands On and Project.

Topic to be Covered

- Introduction to ARM Boards and features of ARM.
- Introduction to Tiva C Series Launchpad.
- Introduction to Internet of Things (IoT)
- Challenges and Opportunities in IoT
- Cloud Solutions supporting TI solutions
- Implementation of weather forecast, sending Email
- Wi-fi chat applications using MSP and cc3100.
- Interfacing, reading and displaying the external sensor.

Who Can Attend

Programme is open to Research Scholars and Students from Technical Universities and Engineering Colleges.

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 5:30pm)

[https:// www.facebook.com/eictacadguwahati](https://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.ac.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 Rand D EandICT Academy Account No.: 36071160089

IFSC Code: SBIN0014262

Bank Name: State Bank of India

Bank Address: IIT Guwahati, GHY- 39.

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

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.