

Registration Form

Name of the Applicant (first, last):

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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.

ii) The Faculty member 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

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.

Expert from industry

- Experienced experts for Industry will provide hands-on training to the participants

Committee Members

- **Dr. A. Shenbagavalli,**
Professor & HOD, ECE Deptt. - Committee Member
- **Mr. N. Arumugam**
Associate Professor, ECE Deptt. - Committee Member
- **Mr. A. Saravanaselvan**
Assistant Professor (Senior Grade), ECE Deptt. - Coordinator

How to reach NEC, Tamil Nadu

By Air

The Madurai airport is the one nearest to the National Engineering College. If one wishes to reach the institute from the air port, they can take the NH 44 (NH7 now currently renamed as NH 44). With a distance of only 101 kilometers, one can reach the NEC within 1 and ½ hours.

By train

The railway station near to the NEC is the Kovilpatti Railway station. If one is take the Kovilpatti – Tirunelveli road they can reach NEC within 20 minutes as the distance is only 8 kilometers.

By Bus

The bus stand nearest to NEC is the Kovilpatti Bus Station. If one is take the Kovilpatti – Tirunelveli road they can reach NEC within 15 minutes as the distance is only 7 kilometers.



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

“DESIGN OF ELECTRONIC
SYSTEM USING LATEST TOOLS”



from 27 Aug – 01 Sep, 2018

In Association with
National Engineering
College, Kovilpatti
&
Support from TI
University
Programme



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.
- Rs. 5900/- for Industry Personnel, Research scholars and Students.

Last Date of Registration:
22.08.2018

(Online Registration Link will be open from
10.07.2018)

Venue: VLSI Lab, 1st Floor
National Engineering College, Kovilpatti

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 includes extensive hands-on lab emphasizing the demonstration and application of techniques and skills. The Lab session is based on advanced microcontrollers from Texas Instruments and includes the following:

- * MSP430 LaunchPad
- * Tiva-C series LaunchPad
- * SensHub BoosterPack
- * CC3100 Wi-Fi BoosterPack.

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.
- 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

Following Topics will be covered

1. Introduction to MSP430 family.
2. TIVA C series TM4C123GXL boards.
3. IOT TIVA and wifi cc3100 boards
4. Discussing PubNub and Freeboard Creating account on PubNub and Freeboard

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)

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.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)**