

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)

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

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

- N. Kavitha**
Director, STEPS Knowledge Services Pvt. Ltd.
- M. Srinivasan**
Assistant Engineer, STEPS Knowledge Services Pvt. Ltd

How to reach Rajiv Gandhi University

By Road:

From Guwahati to Itanagar

Regular State Government buses.Regular buses operated by private Travel Agencies.Private Taxi services available.

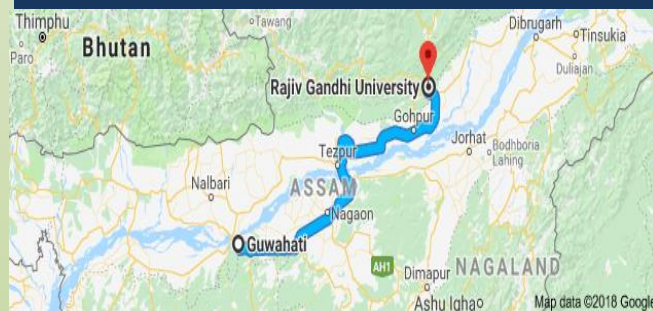
By Rail:

Nearest Railway Station is located at Gumto which is just a 10 minutes drive and Naharlagun which is 30 mins. away from RGU.

By Air:

Nearest Airport - Lilabari Airport. Lilabari is around 48.7 Kms from doimukh which can be covered at an approximate time of 1 hr 16 minutes. From Lilabari, one has to travel by road to RGU.

Map



Last Date of Registration:

15.04.2018

(Online Registration Link will be open from
06.04.2018)

Venue: IIT Guwahati



An Initiative of

Ministry of Electronics & Information Technology

(MeitY),

Government of India

Electronics & ICT Academy

IIT Guwahati, Assam



A Faculty Development Programme on

“DIGITAL SIGNAL PROCESSING”
from 30 April-05 May, 2018



In association with Rajiv Gandhi
University, Arunachal Pradesh



& Support from STEPS Knowledge
Services Pvt. Ltd.



University Program Partner of



TEXAS
INSTRUMENTS



TI university program

Objective of the Course

This Faculty Development Programme is designed to meet the need of the engineering faculty to get a deep exposé of Digital Signal Processing which can be very well extrapolated to any application domain.

Course Outcome

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

- Overview on Digital Signal Processing.
- Architecture and applications of C2000 based 32 bit Fixed Point DSP Engine from Texas Instruments .
- The peripherals including I/O Ports, Universal Serial Interfaces, ADC, Timers, Enhanced PWM (ePWM) Modules, On Chip Flash Access are explained and worked upon. Enhanced architectures of Floating Point Unit, Control Law Accelerator for parallel processing are also explained.
- Working with TI-RTOS to meet real time signal processing and control application requirements.

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. Overview on Digital Signal Processing and its applications.
2. Working with Serial Communication Interface (SCI) peripheral – UART / USB.
3. Introduction to TI-RTOS.
4. Advanced Concepts of Signal processing - Viterbi, Complex Math and CRC
5. Introduction to TMS320C6748 DSP Development Kit.
6. Working/Demo with MATLAB Simulink and Embedded Coder- IO Ports, ADC, Serial Interface PWM Generation

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 STEPS Knowledge Services Pvt. Ltd.

STEPS Knowledge Services Pvt Ltd is a Design House catering to design, development, proto/pilot production and transfer of technology for new products including intellectual property rights (IPR). Development and engineering of Special Purpose Machines (SPM), End of Line Testers, Quality Inspectors and Functional Testers for various industrial verticals are being done.

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