

Registration Form

Name of the Applicant (First Name Middle Name Last Name):

(Dr./Mr./Ms./Prof.).....

Father's Name:.....

Mother's Name:.....

Gender:.....

Date of Birth (DD/MM/YYYY).....

Designation:

Highest Qualification:

Name and Address of the Organization/Institute:.....

Department:.....

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 recent
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 from Industry will provide hands-on training to the participants.

Committee Members from IIIT Bhagalpur

Patron:

- **Prof. Arvind Choubey**
Director, IIIT Bhagalpur
- **Dr. Sandeep Raj**
Assistant Professor, Department of ECE, IIIT Bhagalpur
- **Dr. Dheeraj Kumar Sinha**
Assistant Professor, Department of ECE, IIIT Bhagalpur
- **Mr. Gaurav Kumar**
Visiting Faculty, Department of MeM, IIIT Bhagalpur

Course Coordinators:

Co-Coordinator:

Contact Details

For more details or any queries please contact

- **Project Manager, E&ICT Academy IIT Guwahati**

Email: eictacad@iitg.ac.in, eictacad@gmail.com

Phone No: (+91) 361 258 3182

Mobile No: (+91) 7086502139

(Working Hours 9:30 am to 5:30 pm)

<https://www.facebook.com/eictacadguwahati>

- **Dr. Sandeep Raj (Coordinator)**
Email Id: srp@iiitbh.ac.in, Ph. No.: 8210568605
- **Dr. Dheeraj Kumar Sinha (Coordinator)**
Email Id: d.sinha@iiitbh.ac.in, Ph. No.: 7632995205

Last Date of Registration: 20.05.2019

(Online Registration Link will be open from 05.04.2019)

Venue: IIIT Bhagalpur



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



“IOT & Embedded System Design”



from 27 – 31 May, 2019

In Association with

IIIT Bhagalpur

&

Support from

Digital Shark Technology

Registration Fee including GST

Registration Fee (Including Course Material, Snacks and Lunch)

- Rs. 2,950/- for Faculty, Lab Technicians, Research Scholars (PhD students) and Project Staff.
- Rs. 1,475/- for SC/ST Faculty and Research scholars.
- Rs. 5,900/- for Industry Personnel, 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 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 students, Lab Technicians and Project Staffs from Universities, Colleges & Schools. Industry Personnel working in the concerned/allied discipline may also apply.

How to Reach IIIT Bhagalpur

By Train: Bhagalpur City has two nearest railway stations namely Bhagalpur Junction in the heart of the city and Naugachia Railway Station which is 25 KM away from the city. Many direct trains from various parts of India either pass through or terminate at Bhagalpur Junction.

Directions from Naugachia Railway Station: IIIT Bhagalpur can be reached by auto taxi etc. and it takes around 45 min to 1 Hour costing around Rs 50/- per person (shared) or Rs 300/- (Individual).

Directions from Bhagalpur Railway Station: IIIT Bhagalpur campus can be reached by auto taxi etc. and it takes around 45 min to 1 Hour costing around Rs 20/- per person (shared) or Rs 200/- (Individual).

How to Apply

Online – The participants may fill up the registration form at:

https://docs.google.com/forms/d/e/1FAIpQLSfoHK2ftM4j-QanjLzt_f1RC_Tyj-wiZ6ictHi_ZUpQxCmJNA/viewform

**Mode of Payment: Online Only
(RTGS/NEFT)**

For Online Transfer

Bank Name: State Bank of India
Account Name: IIT Guwahati R and D E and 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 IIIT Bhagalpur

Indian Institute of Information Technology, Bhagalpur (IIIT Bhagalpur) is one of the newly established IIITs set up by MHRD, Govt of India. The Institute started its first academic session from August 2017 and is currently running temporarily in the Bhagalpur College of Engineering (BCE) campus. The institute is fully residential and has separate hostels for boys and girls with proper security arrangements and other facilities. IIIT Bhagalpur is being mentored by IIT Guwahati and thus it has access to academic expertise, resources and research oriented faculties of IIT Guwahati. Govt. of Bihar has provided 50 acres of land to IIIT Bhagalpur carved out of BCE Bhagalpur campus on the banks of river Ganga where construction of the state of the art Permanent campus is likely to start soon. The institute is currently running B. Tech programmes in three branches namely Computer Science Engineering, Electronics and Communication Engineering and Mechatronics Engineering where 170 students are enrolled in the Institute.

Bhagalpur is a city of historical importance on the southern banks of the river Ganges in the Indian state of Bihar. It is the third largest city of Bihar and also the headquarters of Bhagalpur district and Bhagalpur division. Bhagalpur also known as the Silk City is a major educational, commercial, and listed for development under the Smart City program, a joint venture between Government and industry.

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