

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:.....

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

Chief patron:

Dr. K. P. Srinivas Rao, Chairman, Matrusri Education Society

Patron:

Dr. G. Kanaka Durga, Principal, MVSR Engineering College

Convener:

Dr. Ch. Samson, Head, ITD

Course Coordinator:

Mr. S. Ch. Vijaya Bhaskar, Asst. Prof., ITD

Co-Coordinator:

Ms. J. Sowjanya, Asst. Prof., ITD

Ms. Ch. Srujana, Asst. Prof., ITD

Ms. K Srilakshmi, Asst. Prof., ITD

Finance Committee:

Mr. D. B. V. Ravi Sankar, Assoc.Prof. ITD

Ms. K. Devaki, Asst. Prof., ITD

Publicity Committee:

Mr. D. Muninder, Asst. Prof., ITD

Mr. P. Karthik, Asst. Prof., ITD

Hospitality Committee:

Ms. A. Manasa, Asst. Prof., ITD

Ms. K. Ramya Madhavi, Asst. Prof., ITD

Ms. P. Amba Bhavani, Asst. Prof., ITD

Transport Committee:

Mr. K. Chandra Sekhar, Asst. Prof., ITD

Ms. G. Usha Sri, Asst. Prof., ITD

Advisory Committee:

Mr. V. Ashwini Kumar, Assoc.Prof. ITD

Dr. Anitha S, Prof., Dept. of ECE, ACS Engg. College, Bangalore



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 03 - 08 December, 2018



In Association with
MVSR Engineering
College, Hyderabad
&



Support from
DIGITAL SHARK
TECHNOLOGY
TI University
Programme

Last Date of Registration: 29.11.2018

(Online Registration Link will be open from 08.10.2018)

Venue: MVSR Engineering College, Hyderabad

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 SC/ST Faculty.
- Rs. 5,900/- 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 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) 361 258 3182/3009

Mobile No: (+91) 7086502139

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

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

- **Mr. S.Ch. Vijaya Bhaskar, Course Coordinator**

Department of Information Technology

MVSR Engineering College, Hyderabad

Email: bhaskar_it@mvsrec.edu.in

Phone No: (+91) 9440464900; 9059405432

How to Apply

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

Website:

http://www.iitg.ac.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 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 MVSR Engineering College, Hyderabad

MVSR Engineering College, sponsored by Matrusr Education Society, was founded in 1981 with three disciplines. Over the years it has grown in stature and is presently acknowledged as a premier technical institute in Telangana. The Institution has over 225 well qualified and experienced faculty members and ably supported by technical assistants. The college offers BE 4-Year Degree Programs in Civil, ECE, EEE, CSE, IT, Mechanical and Automobile Engineering disciplines. The Programs are affiliated to Osmania University and are approved by AICTE. B.E. Programs are accredited by the NBA of AICTE. The college also has post-graduate program in M.E. Mech. (CAD / CAM), ECE (Embedded Systems & VLSI Design), M.Tech. (CSE) and M.B.A..

The Department of Information Technology was started in the year 2000. The current annual intake is 90. The department has well equipped labs to meet the needs of the Information Technology applications. There are well qualified and dedicated non-teaching staff to support the students in the laboratories. The department also encourages internships under various industrial organizations. The Department is periodically updating its curriculum to stay relevant to the current Industrial Needs.

The BE (IT) Course is Provisionally Accredited by National Board of Accreditation for three years with effect from 9th, Jun 2018.

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