

Registration Form

Name of the Applicant (first, last):

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

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

Organising Committee

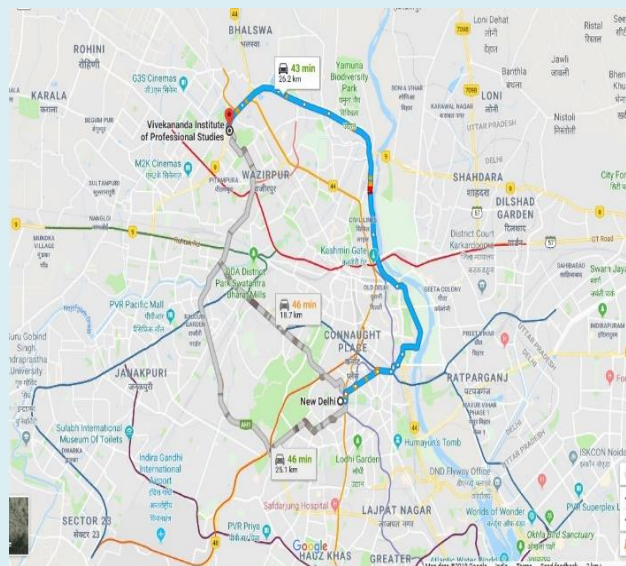
- Prof (Dr.) M.Balasubramanian**
Vivekananda Institute of Professional Studies(VIPS)
Ph: 9899964509
- Ms. Cosmena Mahapatra**
Vivekananda Institute of Professional Studies(VIPS)
Ph: 9899990514

How to reach Vivekananda Institute of Professional Studies

Nearest Airport : Indira Gandhi International Airport,
New Delhi 110037

Nearest Metro Station :

- Haiderpur Metro Station (Yellow Line)
- Pitampura Metro Station (Red Line)



Registration Fee including GST

Registration Fee (Including Course Material, Snacks and Lunch)

Registration Fee (Snacks and Lunch)

Rs. 2,950/- for Faculty, Lab Technicians and Project Staff.

Rs. 1,475/- for Faculty members belonging to ST/SC category.

Rs. 5,900/- for Industry Personnel, Student & Research scholar (Subjected to Availability of Seat).

Mode of Payment: Online Only (RTGS/NEFT)



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

Internet of Things for emerging Engineering Applications (23-27 July, 2018)



In Association with Vivekananda Institute of Professional Studies(VIPS)



& Support from Finland Labs



Last Date of Registration: 20.07.2018
(Online Registration Link will be open from 20.06.2018)
Venue: IT Dept., Vivekananda Institute of Professional Studies

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:

- Arduino Uno Rev with USB cable.
- ESP 8266(ESP01)
- 1-channel Relay Module
- Breadboard
- Assorted Jumper wires.
- LM 35 Temperature.
- Assorted LEDs (10)

With all these tools in your hand you can design exciting applications which are relevant to the current industry requirements.

Course Programme

Faculty Development Programme is split into three parts:

- Lectures.
- Labs/Hands-on sessions daily on Parallel Programming.
- Assignments and Project.

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.

About E&ICT Academy

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.

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

Course Outcome

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

- Internet of Things: IoT Overview, opportunities and challenges.
- Introduction to The Arduino Platform.
- Interfacing sensors with Arduino Programming Arduino.
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- IT Services & Solutions .
- Introduction to Interrupts .

Assignment and Project

1. Assignments will be of the following type:
 - MCQ based questionnaire.
 - Programming Assignments (Problem statement will be provided.)
2. At the end of the course "Project" will be assigned to the participants which would be an application development

How to Apply

Online – The participants may log on to the E&ICT Academy, IIT Guwahati website: <http://eictacad@iitg.ac.in> and fill up the google doc application 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.

Hands-on Session

The Hands- on session will include the following:

- Simple LED Program for Arduino .
- Integrating Sensors & Reading Environmental Physical Values.
- Reading Environmental Values on Android Smartphone.
- Voice Controlled Mini Home Automation using Android Smartphone.
- Control Devices using Localhost Web Server for Home Automation.
- Creating own Android App using MIT App Inventor & controlling Arduino connected devices.
- Being Social on Twitter & update status on Twitter through Arduino.
- Getting started with Pubnub and visualize real time sensor readings using Freeboard.

About Vivekananda Institute of Professional Studies

Vivekananda Institute of Professional Studies (VIPS) is a NAAC "A" grade accredited Institute. VIPS is also ISO 9001:2015 certified, recognised under section 2(f) by University Grant Commission, placed in category A+ by Govt. of NCT Delhi and is affiliated to G.G.S.I.P. University. The Institute is duly recognized by Bar Council of India and approved by AICTE, Delhi. Over the years, VIPS has shown a remarkable growth in terms of number of courses offered as well as student intake every year, apart from creating a niche for itself with its all-round performance in the University examinations. It has been an endeavour at VIPS to constantly provide a better learning atmosphere for students and become a centre of excellence. Currently VIPS is running a number of courses including BCA, MCA, B.A.LL.B (Hons.), BBA, LLB, BJMC, BBA, B.Com (Hons.), B.A. (H) (Economics), LLM (ADR), LLM and PGDM.

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)

