FACULTY DEVELOPMENT PROGRAM
on

Internet of Things (IoT)
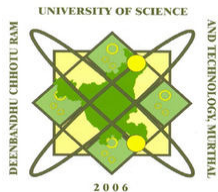
Organised by

Electronics & ICT Academy IIT Roorkee

In Association with

Deenbandhu Chhotu Ram University Of Science And Technology

Feb. 25, 2019 - Mar.01, 2019

Experts from Academia/Industry

Mr. Prasad Raspaile LearningBEE Technology Solutions Pvt Ltd.

Guest Lecture IIT Roorkee

Supported by

Ministry of Electronics & Information Technology
Government of India

Venue

Deenbandhu Chhotu Ram University Of Science And Technology, Murthal

Why IoT ?

IoT is next Industrial Revolution which is going to change our lives in ways never imagined before. Made up of millions of sensors and devices that generate unending streams of data, IoT is useful to improve our lives and our businesses in a lot of ways. You can explore many real-life examples of IoT devices that are commercially available, and you will have a glimpse of the future of the Internet of Things. This course will help you to gain adequate knowledge on the Internet of Things. You will learn various IoT cloud platforms available such as AWS IoT, Ubidots and ARTIK and also gets hands-on exposure on various IoT hardware platforms such as Marvell, Cypress, Raspberry Pi, etc.

Objective of the Course

The objective of HOW-IoT activity is to provide the participants with hands-on variety of projects and introduce them to the world of AI. The participants will be working as a team to develop the projects from scratch keeping in mind both hardware and software design aspects. This will give them a chance to convert their minor project into a product.

Program Features

- The program is split into lectures and lab sessions.
- Quizzes and project work for enhanced learning.
- Hands-on experience on basic & advanced-level topics.
- Interaction & learning with experts from academia & industry.
- Certificates to the participants by EICT Academy, IITR.

Focus Area

- Introduction to Digital Voice Assistant(DVA) & IoT.
- Ambient Computing.
- Introduction to Particle Photon.
- Particle Cloud Registration.
- Tinker APP Configuration.
- Particle Photon Setup.
- Sensors & Actuators.
- Cloud to Cloud Communication.
- Data Acquisition and Transfer.
- Applet Development using IFTTT.

Benefits and Outcomes of the Course

- Hands-on learning with extended learning support: Provides the participants with the complete Development experience building a gadget through hardware and software interface.
- Hands-on on developing the hardware for individual modules.
- Providing programming experience at every stage of product development.
- Exposure to interface the modules with Internet

Coordinators

- Dr. Sanjeev Manhas, PI, EICT, IIT Roorkee
- Dr. Manoj Duhan, Professor, ECE Dept., DCRUST Murthal
- Dr. Pawan Dahaiya, Assistant Professor, ECE Dept., DCRUST Murthal

Who Can Attend ?

Program is open to faculty members/research scholars/PG students from colleges/universities, and industry personnel working in the concerned/allied discipline.

Registration Fee

Faculty members/Research scholars: ₹ 1,000/-
Industry person: ₹ 1,500/-

How to make payment

Offline: DD in favor of "Dean SRIC IIT Roorkee" payable at Roorkee
"OR"
Online: (https://www.onlinesbi.com/prelogin /icollecthome.htm?corpID=365641)
Read the instruction for payment before filling the online registration form.

How to Apply

Step 1: Make Payment
Step 2: Participants may fill registration form through Academy website (http://eict.iitr.ac.in).
OR
Step 2: Send a duly filled-in registration form along with Demand Draft to Academy address.
Mr. Prateek Sharma, EICT Academy, ECE Department, IIT Roorkee-247667

Important Dates ⭣

Last Date For Registration : 18 -Feb-2019

EICT Academy IITR

Electronics and ICT Academy (E&ICT) at IIT Roorkee (funded by Ministry of Electronics and Information Technology) aims to enrich and upgrade teaching and research competences of engineering faculties of institutes/colleges by conducting courses and workshops in fundaments as well as emerging areas of E&ICT and enabled areas. The programs are conducted by well-known industry partners, resource persons from leading academia and experts from renowned R&D organizations.

Activities of the Academy

- Specialized training on basic and advanced level topics with hands-on experience in the emerging areas of Electronics & ICT.
- Setup the activity centers to conduct FDPs locally at institutes/colleges.
- Curriculum development for the industry.
- Continuing Education Programme for students/working professionals.
- Design, develop and delivery of specialized modules for specific research areas in industry.

Faculty Development Program on Internet of Things (IoT)

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REGISTRATION FORM

Applicant Name _____
Gender:_____
Category (GEN/OBC/SC/ST): _____
Designation: _____
Name and Address of the Organizatio/Institute: _____
_____
_____
City/Town: _____
Email: _____
Phone Number: _____
Do you need Accommodation? (Yes/No):_____
DD Number:_____
Date: _____
Issuing Bank:_____
Payable at:_____

Signature of the Applicant

Contact Us

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