

on

"IoT, what and how?"

Under the aegis of

**Electronics & ICT Academy
IIT Roorkee**



24 Dec - 28 Dec 2018

Experts from Academia/Industry

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University of Cincinnati, USA

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CSE Dept, IIT Roorkee

Supported by

Ministry of Electronics & Information Technology
Government of India



**E&ICT Smart Classroom
ECE department
IIT Roorkee**

Why IoT ?

IoT is the next digital revolution which is going to change our lives in ways never imagined before. 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 state of the art of IoT, its application and important implementation issues. You will also get hands-on exposure on various IoT hardware platforms.

Focus Areas

- IoT Application Case Studies.
- IoT sensors and their components, and Security
- Integration with Cloud.
- Regularly deployed Sensors for IoT applications.
- Cloudify: Implementing IoT Protocols on the System Setup
- Routing in sensor networks for IoT civilian applications

Benefits and Outcomes of the Course

- Enhanced knowledge of fundamentals and advanced topics for Teaching and Research.
- Networking with the people from premier institutions from India and abroad.
- Visiting state-of-the-art research facilities.
- Not only theoretical concepts but also the practical understanding of the concepts of IoT.

Objective of the Course

- Getting insights into pursuing research in IoT.
- Understanding basics to initiate teaching, research, and development in Wireless Sensor Networks (WSN), and Internet-of-Things (IoT).
- Gaining Knowledge of Advanced topics like Fog computing, Edge computing, Mobile Edge Computing, etc
- To present the state of the art of IoT architecture.
- Development of Applications in IoT.
- Project-oriented implementation to gain a complete knowledge of a specific application.

Program Features

- The program is split into lectures and labs sessions.
- Hands-on experience on basic & advanced-level topics.
- Certificates to the participants by E&ICT Academy IITR.

Coordinators

Dr. Sanjeev Manhas Dr. P. Sateesh Kumar
PI, E&ICT Academy, Local Coordinator
ECE Dept, IIT Roorkee CSE Dept, IIT Roorkee



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: ₹1,000/-

Research scholars: ₹1,000/-

Persons from Industry: Rs. 1,500/-

Payment Details

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 Online
Registration:
14 Dec 2018**



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 fundamentals 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

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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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