

# Electronics & ICT Academy

## IIT Roorkee

### One Week Short Course/FDP

### on "Cloud Computing"

Recognized by AICTE at par with  
QIP for recognition/credits



September 16-20, 2019

### Experts from Academia/Industry

- Dr. P. Sateesh Kumar, IIT Roorkee
- Dr. Manoj Mishra, IIT Roorkee
- Dr. V.C.V. Rao, C-DAC Pune
- Dr. R. Sandhu, Aneka Cloud Lab

### Certificates to participants by E&ICT Academy IIT Roorkee

### Supported by

Ministry of Electronics & Information  
Technology Government of India



### Venue

E&ICT Academy(N-321), ECE  
Department, Indian Institute of  
Technology Roorkee

## Why Cloud Computing?

Cloud computing is the most flamboyant technological innovation because it has seen the fastest adoption into the mainstream than any other technology in the domain. This adoption has been fueled mainly by the ever-increasing number of smartphones and mobile devices that can access the internet. Cloud computing is helping the society to cope with future problems such as managing big data, cyber-security and quality control. In addition to this, emerging technologies such as Artificial Intelligence, distributed ledger technology, and many other capabilities are becoming available as services through cloud computing.

## Focus Areas

- Introduction of Distributed Computing & Enabling Technologies, Cloud Fundamentals Cloud Definition, Evolution, Architecture, Applications, Deployment and Service Models.
- Virtualization of Data Centers.
- Study of Cloud Computing Systems like Amazon EC2 and S3, Google App Engine & Microsoft Azure.
- Deployment of Web Services from Inside & Outside a Cloud Architecture, HDFS & GFS, Issues with Interoperability.
- Resource Management and Load Balancing Broad Aspects of Migration into Cloud, Security-as-a-Service.
- Grid of Clouds, Green Cloud, Mobile Cloud Computing, Fog/Edge Computing.

## Objective of the Course

- This course will cover the study of various techniques involved in better implementing the cloud-based systems starting through fundamentals of deployment.

## Benefits and Outcomes of the Course

- Introduce the participants to the amazing world of consumption of network resources and services using cloud computing.
- This course serves as a platform to train and educate the participants to interact on cutting edge technology in the emerging areas.



## Program Features

- The program is split into lectures and labs/hands-on sessions.
  - Hands-on experience on basic and advanced-level topics.
  - Interaction & learning with experts from academia & industry.
  - Certificates to participants by E&ICT Academy IIT Roorkee.
- ### Coordinators
- Dr. Sanjeev Manhas, PI, E&ICT Academy IIT Roorkee
  - Dr. P. Sateesh Kumar, Local Coordinator, E&ICT Academy, 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: ₹ 1000/-

Research scholars: ₹ 3,000/-

Persons from Industry: ₹ 3,000/-

## 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 :  
September 02, 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 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 one-week short course/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.

## One Week Short Course/FDP on

## "Cloud Computing"



Dates: Sept.16-20, 2019

## REGISTRATION FORM

Applicant Name \_\_\_\_\_

Gender: \_\_\_\_\_

Category (GEN/OBC/SC/ST): \_\_\_\_\_

Designation: \_\_\_\_\_

Name and Address of the  
Organization/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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