

Electronics & ICT Academy

IIT Roorkee

One Week Short Course/FDP

on

"Big Data Analytics"

Recognized by AICTE at par with QIP
for recognition/credits



In Association with

IMS Engineering College, Ghaziabad



April 27-01 May, 2020

Experts from Industry

Mr. Prashant Gangwar, Devarty
Technologies Pvt Ltd

Certificates to participants by E&ICT
Academy IIT Roorkee

Supported by

Ministry of Electronics & Information Technology
Government of India



Venue

IMS Engineering College, Ghaziabad

Why Big Data?

Big data is a term that describes the large volume of data: both structured and unstructured – that inundates a business on a day-to-day basis. But it's not the amount of data that's important. It's what organizations do with the data that matters. Big data can be analyzed for insights that lead to better decisions and strategic business moves. It's use is becoming common these days by the companies to outperform their peers. In most industries, existing competitors and new entrants alike will use the strategies resulting from the analyzed data to compete, innovate and capture value. Big Data helps the organizations to create new growth opportunities and entirely new categories of companies that can combine and analyze industry data.

Objective of the Course

- To understand and practice big data analytics and its approaches that includes modern computing big data technologies.
- Provide hands on Hadoop Eco System and Apply analytics on Structured, Unstructured Data.
- To understand the Big Data Platform, HDFS Concepts and Interfacing with HDFS.

Benefits and Outcomes of the Course

- Learn the various aspects of data handling and how information can be extracted from data.
- Carry out predictions – how to predict, how to analyse predicted values, discuss the importance of variables in a dataset.
- Industries and domain where analytics are used extensively.
- Guide/Mentor the participants to seek job opportunities in data analyst fields.

Focus Areas

- Introduction to Big data & Big Data Challenges.
- The Hadoop Distributed File System (HDFS), Data ingestion using Sqoop.
- Data analytical tools in Hadoop, Introduction to Pig, Hive and Impala.
- Introduction to Hive, Hive architecture, Hive Setup and Commands.
- Creating Databases and Tables, Altering Databases and Tables.
- Apache Kafka, Scaling Apache Kafka, Command Line Tools.

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

IIT Roorkee

- Dr. Sanjeev Manhas, PI, E & ICT Academy

ABES Ghaziabad

- Dr. Pankaj Agarwal (HOD, CSE, IMSEC Ghaziabad)
Contact No. – 9999940157

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: ₹ 1500/-

Persons from Industry: ₹ 2000/-

Food and Accommodation will be available on self paid basis. No travel allowance will be provided.

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:
April 20, 2020**

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

Big Data Analytics



Dates: April 27-01 May, 2020

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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