

One week Faculty Development Programme On Data Science & Big Data Analytics

June 12-16, 2017

Overview

This course provides practical foundation level training that enables immediate and effective participation in big data and other analytics projects. It includes an introduction to big data and the Data Analytics Lifecycle to address business challenges that leverage big data. The course provides grounding in basic and advanced analytic methods and an introduction to big data analytics technology and tools, including MapReduce and Hadoop. The extensive labs throughout provide many opportunities for students to apply these methods and tools to real-world business challenges as a practicing Data Scientist. The course takes an "Open", or technology-neutral approach, and includes a final lab in which students address a big data analytics challenge by applying the concepts taught in the course in the context of the Data Analytics Lifecycle.

Course Objective

- Immediately participate and contribute as a Data Science Team Member on big data and other analytics projects by:
- Deploying the Data Analytics Lifecycle to address big data analytics projects
- Reframing a business challenge as an analytics challenge
- Applying appropriate analytic techniques and tools to analyze big data, create statistical models, and identify insights that can lead to actionable results
- Selecting appropriate data visualizations to clearly communicate analytic insights to business sponsors and analytic audiences
- Using tools such as: R and RStudio, MapReduce/Hadoop, in-database analytics, Window and MADlib functions
- Explain how advanced analytics can be leveraged to create competitive advantage and how the data scientist role and skills differ from those of a traditional business intelligence analyst.

Organized By



**University School of Information, Communication & Technology
Guru Gobind Singh Indraprastha University, Dwarka, Delhi – 78**

and

ICT ACADEMY
Innovate... Collaborate... Educate...

Registration:

1. Faculty are requested to registered on-line through this <http://www.ictacademy.in/pages/Upfdp.aspx>
2. Faculty are requested to bring their Aadhar card in the workshop.

Registration Fee:

Faculty are required to bring a DD of Rs. 500/- in favour of Registrar, Guru Gobind Singh Indraprastha University payable at Delhi to cover hospitality expenditure.

Certificate:

1. A participation certificate shall be provided to all the participants.
2. An *on-line* International examination of Academic Associate shall be conducted on 16th June, 2017 at 2 PM by DELEMC and the examination fee of USD 200 shall be paid by ICT Academy for participants.

Accommodation:

No accommodation shall be provided to the participants by the university.

PATRON

Prof. Anil K. Tyagi,
Vice Chancellor, GGS Indraprastha University, Delhi (India)

FDP CONVENER

Prof. C. S. Rai, Dean, USICT, GGSIPU

Organizing Team:

1. Prof. Amit Prakash Singh (amit@ipu.ac.in, M: 9899166168)
2. Dr. Sartaj Singh Sodhi, Assistant Professor, USICT-----Coordinator
3. Ms. Khyati Ahlawat, Assistant Professor, USICT
4. Mr. Poornaprakash, ICT Academy (poornaprakash@ictacademy.in, M: 9500145599)

Last date for online registration: 7th June, 2017 (Wednesday)

No. of seats : 30

Venue : University School of Information, Communication & Technology
Guru Gobind Singh Indraprastha University, Sector-16C, Dwarka, New Delhi