National Institute of Electronics & Information Technology
Chennai
(Under Ministry of Electronics and Information Technology, Govt. of India)

Certified Data Analyst (Big Data)

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240 Hrs./ 14 Weeks (03 hours per day)
Seats: 40

Medium of Training: English

Last Date of Registration: 10/02/2023

Course Start Date: 15/02/2023

Objective

The objective of this program is to make Statistical Analysts, Data Scientists, Data Analysts, Big Data engineers, and Hadoop developers. The program is targeted at creating qualified Data Science Engineers. The course progresses through the learning of Linux OS, structured (MySQL) database, Java, concepts of Data and its storage, programming for data science, Big Data Technologies, and its implementation. Various tools such as MySQL, Apache Cassandra, Java Programming and Hadoop Framework, and Spark framework are used for achieving the goal of solving critical business and Analytic problems.

Eligibility

✓ B.E./ B.Tech/ M.S./ M.C.A./ M.C.S./ DOEACC "B" Level/ M.Sc./ Master Degree in Mathematics or Statistics

Prerequisite

- ✓ Candidate must have latest computer/laptop with preferably 8 GB RAM or higher and Graphics Card (2 GB)
- ✓ Internet connection with good speed (preferably 2Mbps or higher)

Course Fees

Rs.14,000/- (Including GST)

Certificate

Certificates will be issued to the participants based on the marks scored in the examination conducted after the completion of training.

Methodology

- ✓ Teaching Mode: Online
- ✓ Instructor-led live classes.
- ✓ Instructor-led hands-on lab sessions.
- ✓ Recorded Session Available

Intended Users

It is quite obvious that existing resources along with new candidates who are interested in perusing a career in this field need to be trained. Our objective is to create a pool of talent who can meet this demand

Outcome

Upon completion of the Course, the Participants will learn the concept of Data Analytics using open-source Big Data technologies like Apache Hadoop, Hdfs, Pig, Hive, Spark, Flume, Kafka, and Graphx technologies. They will be able to implement an industry-oriented Data Analytics Project.

Module 1: Configuring Platform for Data Engineering • Understanding Linux Environment & Basic Commands • BASH Scripting • Configuring Secure Shell & LAN • User Administration • Virtualization • Data warehousing using MySQL
Module 2: Big Data Analytics • Java for Hadoop • Introduction of Big Data Analytics • Hadoop MapReduce • Working with Pig and HIVE • Apache HBase • Apache Spark, Kafka & Flume • JAQL data model • Embedding JAQL in Java
Module 3: Project (Manage Real-World Data Analytics Application)

* After successful completion of **'Certificate Course in Linux and Data Warehousing', 'Certified Data Analyst using R and Python',** and **'Certified Data Analyst (Big Data),** candidates can apply for NSQF Examination and can get the **'Post Graduate Program in Data Engineer'** certificate.

Faculty

Dr. Sanjeev Kumar Jha		
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