

Post Graduate Program in Data Engineering

PG Program in Data Engineering



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840 Hrs. /24 Weeks (06 hour per day)

Seats: 70

Medium of Training: English

Last Date of Registration: 14/10/2022

Course Start Date: 21/10/2022

Objective

The objective of this program is to make Statistical Analysts, Data Scientists, Data Analysts, Big Data Engineer, Hadoop Developer.

The program is targeted for creating qualified Data Science Engineers. The course progresses through the Operating System, concepts of Data and its storage, programming for data science, Big Data Technology and its implementation.

Various tools such as R and Python, along with MySQL, Apache Cassandra, Java Programming and Hadoop Framework are used for achieving the goal of solving critical business and Analytic problem.

- ✓ B.E./B.Tech/M.S./M.C.A./M.C.S./DOEACC:
Level/M.Sc./Master Degree in Mathematics or Statistics
or Operations Research/Economics or Econometrics
/Applied Mathematics/Applied Statistics/M.B.A.

“B”

Eligibility

Prerequisite

- ✓ Candidate must have latest computer/laptop with preferably 4 GB RAM or higher and Graphics Card (2 GB)
- ✓ Internet connection with good speed (preferably 2Mbps or higher)

Rs.42,000/- (Including GS)

NSQF Examination Fee: Rs. 2600(Including GST)

Course Fees

Certificate

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

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

Methodology

Intended Users

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

On completion of the Course, the Participants will learn the concept of Data Analytics using open-source statistical tools like R, Python and some very good visualization tools and techniques. They will be able to implement industry-oriented Data Analytics Project.

Outcome

Course Content
<p>Module 1: Configuring Platform for Data Engineering</p> <ul style="list-style-type: none"> • Understanding Linux Environment & Basic Commands • BASH Scripting • Configuring Secure Shell & LAN • User Administration • Virtualization • Java for Hadoop • Data warehousing using MySQL • Basics of NoSQL and Apache Cassandra
<p>Module 2: Data Analytics & Machine Learning</p> <ul style="list-style-type: none"> • Basic Concept of Data Analytics & Data Manipulation in R • Python Basics • OOPs concept & Exception Handling in Python • Understanding Data Frame in Python • Data Visualization using Python • Inferential Statistics in Python • Time Series Analysis using Python • Machine Learning • Neural Networks • Deep Learning Applications
<p>Module 3: Big Data Analytics</p> <ul style="list-style-type: none"> • Introduction of Big Data Analytics • Hadoop MapReduce using Python • Working with Pig and HIVE • Apache HBase • Scala, Apache Spark, Kafka & Flume
<p>Module 4: Mini Project (Implementation of Data Analytics)</p>

Faculty

Dr. Sanjeev Jha	Mr. Jayakodi	Mr. Vignesh
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