

Post Graduate
Program in

DATA ENGINEERING

Jointly Delivered by



Indian Statistical Institute
Pune Unit

Post Graduate program in Data Engineering is jointly created & delivered by Indian Statistical Institute, Pune and edu plus now along with industry experts..

Our tailor-made curriculum includes SQL, MongoDB, Bigdata Hadoop, Cloud, Python, Spark etc. which will help you acquire in-demand skills and start a career as an accomplished data engineer professional.



Indian Statistical Institute
Pune Unit

Welcome to Indian Statistical Institute (ISI), a unique P. C. Mahalanobis institution devoted to the research, teaching and application of statistics, natural sciences and social sciences. Founded by Professor P.C. Mahalanobis in Kolkata on 17th December, 1931, the institute gained the status of an Institution of National Importance by an act of the Indian Parliament in 1959.

The Headquarters of ISI is located in the northern fringe of the metropolis of Kolkata.

ISI Pune is a unit of Indian Statistical Institute, active in Teaching, Training, Research and Consulting on application of statistics, operations research & allied science to solve problems of the industry across the spread and depth of the industries. ISI Pune bring sanctity of statistics in the mother initiatives such as TQM, TPM, Six Sigma, Quality Management, Management Systems, Business Management, Data Analytic, Data Science.



edu plus now is an educational initiative of the Vishwakarma Group, which includes the Vishwakarma Institute of Technology, Pune. Its intent is to bridge the skill gap between conventional learning methods, meet real industry challenges and help the learner achieve their career potential.

Course Content

SQL

- SQL Overview
- SQL SELECT Statements
- SQL Functions and Expressions
- SQL Updating
- SQL Sub Queries and Unions
- SQL Summarization

Hadoop

- Hadoop Architecture
- Basic Features: HDFS Data Characteristics
- Map Reduce Architecture
- HDFS Architecture
- Hive Architecture.

MongoDB

- Introduction to MongoDB
- Introduction to NoSQL
- MongoDB Query Document
- Creating, Reading and Updating Data

Spark

- Spark Architecture
- RDD Fundamentals
- Basic Scala Programming
- Spark SQL introduction
- Spark SQL Data frames
- Spark Job Extraction
- Into Spark Streaming
- Intro to Recommendations system

Python Programming

- Variables, Data structures & Control flow
- Functions, Procedural Approach, Modules, File Handling
- Algorithms, Debugging & Bug Fixing

Cloud - Amazon Web Services(AWS)

- Introduction to Cloud Computing and AWS.
- Amazon Elastic Book Store
- Amazon Elastic Compute Cloud
- Storage and Load Balancing, Scaling and DNS
- Amazon Virtual Cloud
- Amazon Elastic File System
- Database – RedShift
- Code Deployment
- Project

Course Duration

3 MONTHS
BATCH - WEEKDAY & WEEKEND

Delivery Mode

Classroom / Online

Eligibility

All Graduates / Post Graduates – Engineering, IT, Computer Science, Electronics

Assessment

Periodic assessment and case studies evaluations by the Indian Statistical Institute, Pune and edu plus now have been built-in throughout the duration of the course.

Certification - Awarded Jointly by The Indian Statistical Institute, Pune and edu plus now

Job Possibilities in following sector

- IT Companies
- In-house analytics units of corporations
- Niche analytics firms
- MNC financial institutions, Pharma, Retail, Healthcare, Oil & Gas Industry, Telecommunication, Insurance & Manufacturing Companies

Job Roles

- Data Analyst
- Data Engineer
- Business Analyst
- Hadoop Developer
- Bigdata Engineer

COURSE FEE : INR 80000+ GST

edu plus now with the Indian Statistical Institute, Pune jointly delivers the following courses:

- Six Sigma Yellow Belt
- Six Sigma Master Black Belt
- Design for Six Sigma Supplement
- Six Sigma Green Belt
- Lean Six Sigma Supplement Program
- Executive Overview of Six Sigma Program
- Six Sigma Black Belt
- Statistics for Researchers



An initiative of Vishwakarma Group Pune.


Vishwakarma Institute of Technology (VIT, Pune), Vishwakarma Institute of Information Technology (VIIT, Pune), Vishwakarma University (VU, Pune), Vishwakarma Schools, Wisdom World School

Other initiatives of Vishwakarma Group



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