

Certificate Program in Business Analytics in R

Why Analytics ?

Analytics Industry is one of the fastest growing vertical in modern times. It is poised to emerge as a prime player in the market by 2017. Business analytics tends to be based on solving a specific business problem by systematically gathering relevant data and information and analyzing it to take an informed business decision. Analytics enables professionals to generate business insight from extensive data with statistical and quantitative techniques. Such powerful insights enable and drive efficient decisions across different business verticals.

What is R ?

R is a language and environment for statistical computing and graphics. It is an integrated suite of software facilities for data manipulation, calculation and graphical display. It provides a wide variety of statistical (linear and nonlinear modelling, classical statistical tests, time-series analysis, classification, clustering, ...) and graphical techniques, and is highly extensible. With hands-on exercises, learn how to import and manage datasets, create R objects, install and load R packages, conduct basic statistical analyses, and create common graphical displays.

Who Should Attend ?

Aspirants responsible for the delivery of wide range of consulting assignments, including, data support, data analysis, financial forecasting, behavioral characteristics analyses, cluster segmentation, regression analyses, testing new business models for business insight can take up this program. PG students / Research Scholars / MBA Students/ IT professionals / Recent graduates planning for a career in analytics can attend this program

Program Highlights

- Over view of R Data Types
- Creating and manipulating Data Frames in R environment
- Importing Data Sets into R environment and data management
- Statistics and Measures of Central Tendency with Variation study
- Case based model generation and application of statistical techniques in real time usage
- Popular Algorithms—Simple Linear Regression & Multiple Regression
- Handling Categorical Data in Regression
- Difference between Regression and Classification

"Judicious mix of professors practicing professionals who are domain experts and practitioners in their own chosen fields..."

About ITMR

HTC Institute of Technology, Management and Research (HTC ITMR), a Group company of HTC Global Services, is a premier institute aimed at providing world class education through its various academic and corporate training programs. HTC ITMR aims to evolve into a "CENTRE OF EMINENCE" to offer cutting edge vocational skills, and mold professionals to become business and technical domain experts. HTC ITMR offers diploma, postgraduate diploma and degree programs to help working professionals to scale up and meet the challenges of the industry.



www.itmr.ac.in

Institute of Technology Management & Research

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Certificate Program in



About Big Data - Hadoop

Hadoop is especially well-suited to large data processing tasks (like searching and indexing) because it can leverage its distributed file system to cheaply and reliably replicate chunks of data to nodes in the cluster making data available locally on the machine that is processing it. Hadoop is an open-source software platform by the Apache Foundation for building clusters of servers for use in distributed computing.

Hadoop is the best tool available today for processing and storing herculean amounts of big data. Hadoop throws hundreds or thousands of computers at the big data problem, rather than using single computer. Apache Hadoop is an open-source project inspired by research of Google. Hadoop makes data mining, analytics, and processing of big data cheap and fast. Hadoop can take most of your big data problems and unlock the answers, because you can keep all your data, including all of your historical data.

Certificate Program

Duration - 45 hours

The program will help you to learn Hadoop administration/ development concepts and practices:

Course Curriculum

- Introduction to File system
- Foundations of Hadoop
- Foundations of HDFS
- HDFS Administration
- Yarn Concepts
- Pig Programming
- Hive
- MAP Reduce
- Common Map reduce algorithms
- Eco System components

JOB OPPORTUNITIES

Big data = Big Future

If you are looking to build or start your career
BIG DATA Hadoop is a fantastic option. It has enormous opportunities.

HADOOP DEVELOPER • HADOOP TESTER • HADOOP ARCHITECT



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