



Course Name **Fundamental Course in Big Data Analytics for Business Analysts**

Course Duration 25 Hours

About Technology IBM® InfoSphere® BigInsights™ is an analytics platform, based on open source Apache Hadoop, for analyzing massive volumes of unconventional data in its native format. The software enables advanced analysis and modeling of diverse data, and supports structured, semi-structured and unstructured content to provide maximum flexibility.

About Course This course is designed to aid the business students who are familiar with Big Data Concepts. Analyzing data using Apache's Hadoop requires that mapreduce programs be written. The student will learn the terminology of Big Data (Mapreduce , Hive, Pig , HDFS etc) along with the hands on sessions using IBM InfoSphere Big Insight.

Target Audience Students of:

- Undergraduate & Post Graduate Students in Business Management

Pre-requisites

- Knowledge in handling different types of data
- A programming background would be advantageous especially knowledge of SQL

Contents

Part 1: InfoSphere BigInsights Basics

1. Customer Video on Business Transformation
2. Introduction to InfoSphere Big Insight : Classroom Session
3. IBM Case Study and Customer Video
4. Introduction to Big Insights Analytics for Business Analysts : Classroom Session
5. Importing Data to InfoSphere BigInsights : Classroom Session
6. BigSheets Workflow : Classroom Session
7. Big Sheets Collections : Classroom Session
8. Lab Exercise 1 : Creating BigSheets Collection by uploading a file
9. Lab Exercise 2: Creating Collections by using Applications to gather Data
9. Customer Video on Business Transformation

Part 2: Working with InfoSphere BigInsights

10. Big Sheets Navigation : Classroom Session
11. Working with Big Sheets Collections : Classroom Session
12. Big Sheets Readers & Extensions : Classroom Session
13. Lab Exercise 3: Analyzing a Big Sheets Collection
14. Lab Exercise 4: Combining Data to create a new Collection
15. Lab Exercise 5: Visualizing Data in Graphical Form & Exporting Data from a Big Sheets Collection
16. Lab Exercise 6: Installing BigSheets Plug in