Course Name	**Foundation Course in Big Data & Hadoop**
Course Duration	25 Hours
About Technology	IBM InfoSphere BigInsights brings the power of Hadoop to the enterprise. Apache Hadoop is the open source software framework, used to reliably managing large volumes of structured and unstructured data. BigInsights makes it simpler for people to use Hadoop and build big data applications. It enhances this open source technology to withstand the demands of your enterprise, adding administrative, discovery, development, provisioning, and security features, along with bestin-class analytical capabilities from IBM Research. The result is that you get a more developer and user-friendly solution for complex, large scale analytics.
About Course	This hands-on training course is for those who want a basic understanding of IBM InfoSphere BigInsights. It will give you an overview of IBM's Big Data strategy as well as detailed information on Apache Hadoop. This course is designed to aid participants who are working with IBM's InfoSphere BigInsights. Analyzing data using Apache's Hadoop requires that map reduce programs be written. The student will learn how to use Jaql to create high level programs that are decomposed into Hadoop map / reduce programs. This course will give the student an overview of Apache Pig, Hive, Mapreduce and Jaql.
Target Audience	System administrators and developers. Students of: – Under Graduate Engineering (Computer Science/Information Technology) – Post Graduate (Computer Science) – Business School Students (both Post Graduate & Under Graduate)
Pre-requisites	Prior to attending this course, basic knowledge of Linux & Information Management would be beneficial.
Contents	1. Overview of big data 2. Working with BigInsights 3. Overview of Hadoop architecture 4. Understanding HDFS 5. Insight to MapReduce 6. Introduction to Pig, Hive and Jaql 7. Introduction to Flume 8. Understanding & working with BigSheets