GokarajuRangaraju Institute of Engineering and Technology (Autonomous)

Report of the Event

Title of the Event:

Organized Date: 15th to 20th February 2016

Faculty: Dr. Y Srilalitha

Summary:

Course Name IBM CE - Essentials of Big Data with Hadoop using IBM InfoSphere BigInsights Course Code IMBDH2FIN Course Duration 50 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. InfoSphere BigInsights allows enterprises of all sizes to cost effectively manage and analyze the massive volume, variety and velocity of data that consumers and businesses create every day.

InfoSphere BigInsights can help you increase operational efficiency by augmenting your data warehouse environment. It can be used as a query-able archive, allowing you to store and analyze large volumes of multi-structured data without straining the data warehouse.

It can be used as a pre-processing hub, helping you to explore your data, determine what is the most valuable, and extract that data cost-effectively. It can also allow for ad hoc analysis, giving you the ability to perform analysis on all of your data. 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. It presents concepts required by a system administrator to work with the Hadoop Distributed File System and concepts of MapReduce that are required by a developer.

It introduces the management of MapReduce jobs and provides an initial introduction to Jaql programming. Target Audience System administrators and developers. Students of: – CS/IT/ ECE/EEE – 2nd / 3rd Year – MCA – 2nd Year – BCA/ BSC – 3rd year Pre-requisites Prior to attending this course, knowledge of Linux would be beneficial. Contents After completing this course, you should be able to:

• Describe functions and features of InfoSphere BigInsights

• List the capabilities of Hadoop and HDFS

• Administer HDSF

 • Describe the use of mapping and reduction

 • Setup a Hadoop cluster

 • Manage job execution

• List the characteristics of Jaql

• Describe the process of data ingestion

• List the steps performed by the workflow engine IBM Career Education Applicable Certification - Follow on courses - IBM CE - Big Data & Analytics with IBM InfoSphere BigInsights