

Course objectives:

Upon completion of the course, participants shall be able to:

- Identify Big Data and its Business implications
- List the components of Hadoop and Hadoop Eco-System
- Access and Process Data on Distributed File System
- Manage Job Execution in Hadoop Environment
- Develop Big Data Solutions using Hadoop Eco System
- Explain big data including world big data problems including 3 key sources of big data; people, organizations and sensors
- Explain volume, variety, valence and value in big data and why each parameter impacts data collection
- Plan and implement a big data strategy for your organization

Course content:

- Big Data Overview
- What is big data
- The rising and importance of big data
- Big data analytics in industry
- Data Analytics Lifecycle and methodology
- Data exploration & preprocessing
- Measures and evaluation
- Data Analytics: Theory & Methods
- Unstructured Data Analytics