

COURSE OUTCOME

Students will be able to:

OUTLINE OF THE COURSE

Unit No.	Title of The Unit	Time required for the Unit (Hours)
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1.Introduction to Big Data And Hadoop07

2.HDFS(Hadoop Distributed File System)08

3.Map Reduce08

4.Hadoop Eco System07

5.Data Analytics with R07

DETAILED SYLLABUS

UnitUnit Details

1.Introduction to Big Data And Hadoop

Introduction to Big Data, Big Data Characteristics Types of Digital Data, Introduction to Bi

2.HDFS (Hadoop Distributed File System)

Introduction of UnitThe Design of HDFS, HDFS Concepts, Command Line Interface, Hadoop

3.Map Reduce

Introduction of UnitAnatomy of a Map Reduce Job Run, Failures, Job Scheduling, Shuffle

4.Hadoop Eco System

Introduction of UnitPig : Introduction to PIG, Execution Modes of Pig, Comparison of Pig v

Big SQL : IntroductionConclusion of Unit

5.Data Analytics with R

Introduction of UnitMachine Learning: Introduction, Supervised Learning, Unsupervised L

RECOMMENDED STUDY MATERIAL

S. NoText Books:AuthorEditionPublication

1.Hadoop: The Definitive GuideTom WhiteThird Editon

2.Big Data AnalyticsSeema Acharya, Subhasini Chellappan2015Wiley

Reference Book

1.

2.

3.

Online Resources

1.http://www.bdbanalytics.ir/media/1121/big-data-analytics_turning-big-data-into-big-money

2.<https://www.techtarget.com/searchbusinessanalytics/definition/big-data-analytics>

3.https://www.tutorialspoint.com/hadoop/hadoop_big_data_overview.htm