CAP457:INTRODUCTION TO BIG DATA - LABORATORY

Course Outcomes: Through this course students should be able to

CO1 :: apply big data technology in data analysis

CO2 :: tabulate the use of various framework of big data analysis

CO3 :: understand the working with virtual box and cloudera

CO4 :: assess the usage of different platform

List of Practicals / Experiments:

Introduction to Big Data
- Big Data and its importanceFour V's in Big Data

Introduction to Big Data Tools
- Introduction about Tools used in Big Data Analysis

Introduction to Virtual Box
- learning usage of virtualboxinstalling and working with virtualbox

Introduction to Cloudera
- Learning about other open source software related to Hadoop and Installing Cloudera

Introduction to Hadoop Administration
- Hadoop - Environment SetupHadoop - HDFS Overview

Hadoop Architecture
- Learn how HDFS works Hadoop Architecture and Understanding the main Hadoop component

Text Books: 1. BIG DATA FUNDAMENTALS by THOMAS ERL, PEARSON

References: 1. MINING OF MASSIVE DATASETS by JURE LESKOVEC, ANAND RAJARAMAN, JEFF ULLMAN, STANFORD UNIVERSITY PRESS