BIG DATA LAB

CS 704 -DEPARTMENTAL ELECTIVE LAB
BE VII SEMESTER
ACADEMIC SESSION: JULY-DEC 2021

Name:
Enrollment No:
Branch/Section:
Year:

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING
ACROPOLIS INSTITUTE OF TECHNOLOGY & RESEARCH

LIST OF LAB EXPERIMENTS

No	Date of Experiment	Name of Experiment/Program	Submission Date	Grade/ Remark
1		Write a java program to implement List, Linked List, Queue, Set and Map data structures.		
2		To draw and explain Hadoop architecture and ecosystem with the help of a case study.		
3		Perform setting up and installing single node Hadoop in windows environment.		
4		To implement the following file management tasks in Hadoop System (HDFS): Adding files and directories, Retrieving files, Deleting files		
5		Create a database 'STD' and make a collection (e.g. "student" with fields 'No., Stu_Name, Enrol., Branch, Contact, e-mail, Score') using Mongodb. Perform various operations in following experiments.		
6		Insert multiple records (at least 10) into the created student collection.		
7		Execute following queries on the collection created. 1. Display data in proper format. 2. Update the contact information of a specific student. 3. Add a new field remark to document with name 'REM'. 4. Add a new field as no 11, stu_name XYZ, enrol 00101, branch VB, e-mail xyz@xyz.com contact 098675345 without using insert statement.		
8		To implement a graph of 50 nodes and edges between nodes using netwokx library in python.		
9		Write and implement betweenness measure between nodes across the social network.		

Lab Experiment No. 1

Objective:

Lab Experiment No. 2

Objective:

Lab Experiment No. 3

Objective:

Lab Experiment No. 4

Objective:

Lab Experiment No. 5

Objective:

Lab Experiment No. 6

Objective:

Lab Experiment No. 7

Objective:

Lab Experiment No. 8

Objective:

Lab Experiment No. 9

Objective:

Lab Experiment No. 10

Objective: