


IQAC/NBA/ LAB-INDX/ 2024-25		<div>ACHARYA</div> <div>ACHARYA INSTITUTE OF TECHNOLOGY</div> <div>Bengaluru – 560 107</div> <div>Department of CSE(DATA SCIENCE)</div>													
Course Title:		BIG DATA ANALYTICS					Course ID:		C311						
Course Code:		BAD601		Semester:		6		Section:		A		ACY:		2024-25	
Student Name:							Batch:		0		USN:				
Sl.	Description of Experiments						Coure Outcomes / Marks						Total Marks (50)	Student Signature	
							Write-up	Analysis	Results	Viva					
1	Install Hadoop and Implement the following file management tasks in Hadoop: Adding files and directories Retrieving files Deleting files and directories. Hint: A typical Hadoop workflow creates data files (such as log files) elsewhere and copies them into HDFS using one of the above command line utilities.														
2	Develop a MapReduce program to implement Matrix Multiplication														
3	Develop a Map Reduce program that mines weather data and displays appropriate messages indicating the weather conditions of the day.														
4	Develop a MapReduce program to find the tags associated with each movie by analyzing movie lens data.														
5	Implement Functions: Count – Sort – Limit – Skip – Aggregate using MongoDB														
6	Develop Pig Latin scripts to sort, group, join, project, and filter the data.														
7	Use Hive to create, alter, and drop databases, tables, views, functions, and indexes.														
8	Implement a word count program in Hadoop and Spark.														
9	Use CDH (Cloudera Distribution for Hadoop) and HUE (Hadoop User Interface) to analyze data and generate reports for sample datasets														
Average Marks Obtained (Total Scale to 15)															
Test-1															
Average Laboratory Test Marks (Total Scale to 10)															
Total of Marks obtained (Exp+Test 25)															
CIE Marks (IA):							/25								

Course Coordinator Name:	Surbhi	Signature:	
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