**ARYA College of Engineering (ACE)**

Previously Known as Arya Institute of Engineering & Technology (AIET)

**(Affiliated to RTU Approved by AICTE, New Delhi)**

REAP Code : 1011

- **Main Campus, SP-40, RIICO Industrial Area, Delhi Road Kukas, Jaipur - 302028 | Tel Ph. 0141-2820700**
- **www.aryacollegejpr.com**
- **Toll Free : 1800 102 1044**

## Department of Artificial Intelligence & Data Science
## IV Year VII Semester
## 7AID4-01: Big Data Analytics
## ASSIGNMENT-I

| | | |
|---|---|---|
| Q.1 What is Big Data and explain challenges of Big Data? | BLT-2 | CO-1 |
| Q.2 Describe Sources of Big Data? | BLT-3 | CO-1 |
| Q.3 Describe Problems with Traditional Large-Scale System? | BLT-2 | CO-1 |
| Q.4 Explain 3 Vs of Big Data? | BLT-3 | CO-1 |
| Q.5 Explain Hadoop Architecture with Diagram? | BLT-2 | CO-1 |

## ASSIGNMENT-II

| | | |
|---|---|---|
| Q.1. What is Weather Dataset? | BLT-2 | CO-2 |
| Q.2. Describe Map Reduce Architecture with Diagram? | BLT-3 | CO-2 |
| Q.3. Write Driver Code and Mapper Code of Hadoop MapReduce? | BLT-5 | CO-2 |
| Q.4 Explain Hadoop API for MapReduce framework (Old & New)? | BLT-2 | CO-2 |
| Q.5 Describe Record Reader and Combiner Code of Hadoop Map Reduce? | BLT-1 | CO-2 |

## ASSIGNMENT-III

| | | |
|---|---|---|
| Q.1 What do you mean by writable collections? | BLT-1 | CO-3 |
| Q.2 Define Custom Comparators? | BLT-1 | CO-3 |
| Q.3What is Writable Interface? Explain writable classes in detail. | BLT-1 | CO-3 |
| Q.4 Explain Writable Wrappers for Java Primitives? | BLT-2 | CO-3 |
| Q.5How can implement a Custom Writable? | BLT-4 | CO-3 |

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## ASSIGNMENT-IV

| | | |
|---|---|---|
| Q.1 What is ABCs Pig Latin Application? | BLT-1 | CO-4 |
| Q.2 Explain Evaluating Local and Distributed modes of Running Pig Script? | BLT-2 | CO-4 |
| Q.3What are the limitations of the Pig? | BLT-1 | CO-4 |
| Q.4Explain Scripting with Pig Latin? | BLT-2 | CO-4 |
| Q.5How can check out the pig script interfaces? | BLT-4 | CO-4 |

## ASSIGNMENT-V

| | | |
|---|---|---|
| Q.1 What is Hive clients? | BLT-1 | CO-5 |
| Q.2 Define Hive data types? | BLT-1 | CO-5 |
| Q.3What is Hive? Explain creating and managing database and tables. | BLT-2 | CO-5 |
| Q.4Explain how the Hive is put together? | BLT-2 | CO-5 |
| Q.5How the Hive data manipulation language works? | BLT-3 | CO-5 |