# VR Siddhartha Engineering College
# Department of Information Technology

**Course Code: 20IT6404B**　　　　　**Course Name: Big Data**

**ASSIGNMENT-2 QUESTION Bank**

**A.Y:2022-23 /CBCS/Sem-I**

| Q.No | | Question | Course Outcome | BTL |
|------|---|----------|----------------|-----|
| 1 | a | Describe the features and advantages of NOSQL databases. | CO3 | Understand |
| | b | Design the Cassandra nosql database for student data with neat sketch and operations.. | CO3 | Apply |
| 2 | a | Design the Neo4j nosql database for facebook data with neat sketch and operations. | CO3 | Apply |
| | b | Distinguish SQL and NoSQL | CO3 | Analyze |
| 3 | | Create the MongoDB document database with the following columns: Studrollno, studname, grade, hobbies, doj Demonstrate the MongoDB statements for CRUD operations. | CO3 | Apply |
| 4 | | Create the mongoDB collection by the name food and then insert documents into food collection. Each document should have a fruits array. Find those documents from the food collection which have the fruits array having grape in the first index position Find those documents from the food collection where the size of the array is three. Find those documents from the food collection which have the element orange in the 0 index position in the array fruits. | CO3 | Apply |
| 5 | | Implement Word count using Pig Latin and describe each PigLatin statement execution with sample input text file. | CO3 | Apply |
| 6 | | Create the following tables  Orders: custid, itemid, itemname, orderdate, deliverydate | CO3 | Apply |

| | | Customers: custid, custname, address, city, state, country. Join the above two tables and display using Pig Latin Write PigLatin to find the number of items ordered in Oct 2020. | | |
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