B V RAJU INSTITUTE OF TECHNOLOGY



Data Management System

LABORATORY RECORD

B.TECH

II Year II Sem Academic Year 2023-24

DEPARTMENT OF

**CSE (DATA SCIENCE)**

 **B V RAJU INSTITUTE OF TECHNOLOGY**

**(UGC Autonomous) Vishnupur, Narsapur, Medak(District)–502313**

**CERTIFICATE**

This is to certify that **Mr. MVS KARTHIKEYA** bearing Roll no **22211A67B9** of

B.Tech **II** year **II** semester **CSE (Data Science)** branch has satisfactorily completed **Data Management System** laboratory during the academic year **2023-2024**.

Signature of Faculty Signature of HOD

**Signature of**

**External Examine**

**INDEX**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **List Of Experiments** | | | | |
| **S.no.** | **Experiment** | **Page no.** | **Date** | **sign** |
| 1 | **Example:** ER Diagram for Sailors Database Entities: Sailor, Boat, Relationship: Reserves  **Primary Key Attributes:** Sailor Entity – SID, Boat Entity – BID, Reserves Relationship – SID, BID, DAY |  |  |  |
| 2 & 3 | Data types in Oracle. Creation (Use Constraints like Primary key, foreign key and Check while Creating Tables), Altering and Dropping of Tables.  Inserting records into a Table, Updating and Deleting records from table.  Simple queries using Select Command.  COMMIT and ROLLBACK commands. |  |  |  |
| 4 | Queries using Set Operations - UNION, INTERSETION, MINUS.  Nested Queries using IN, NOT IN, EXISTS, NOT EXISTS, ANY, ALL. |  |  |  |
| 5 & 6 | Queries using Aggregate Functions like COUNT, SUM, AVG, MAX and MIN.  Queries using ORDER BY Clause.  Queries using GROUP BY and HAVING clauses.  Creation of Views, Queries on Views and Dropping Views. |  |  |  |
| 7 & 8 | Queries using Conversion Functions - TO\_CHAR, TO\_NUMBER and TO\_DATE.  Queries using String Functions - CONCAT, LPAD, RPAD, LTRIM, RTRIM, LOWER, UPPER, INITCAP, LENGTH, SUBSTR, INSTR, TRANSLATE, and REPLACE.  Queries using Date Functions - SYSDATE, NEXT\_DAY, ADD\_MONTHS, LAST\_DAY, MONTHS\_BETWEEN, LEAST, GREATEST, TRUNC and ROUND. |  |  |  |
| 9 | Working with Hadoop single node Configuration using VM |  |  |  |
| 10 | Working with Hadoop multi node Configuration using VM |  |  |  |
| 11 | Working with HBase single node Configuration using VM |  |  |  |
| 12 | Working with NoSQL Queries using HBase |  |  |  |