Lesson Plan

**BCA III semester**

**BCA – 244 RELATIONAL DATABASE MANAGEMENT SYSTEM**

Teacher name:

April 2021

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| Relational Model Concepts, Codd's Rules for Relational Model,  Relational Algebra:-Selection and Projection, Set Operation, Renaming,  Join and Division, Relational Calculus: Tuple Relational Calculus and  Domain Relational Calculus. |

May 2021

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| Functional Dependencies and Normalization:-Purpose, Data  Redundancy and Update Anomalies, Functional Dependencies:-Full  Functional Dependencies and Transitive Functional Dependencies,  Characteristics of Functional Dependencies, Decomposition and Normal  Forms (1NF, 2NF, 3NF & BCNF). SQL: Data Definition and data types, SQL Operators, Specifying |

June 2021

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| Constraints in SQL, Basic DDL, DML and DCL commands in SQL, Simple  Queries, Nested Queries, Tables, Views, Indexes, Aggregate Functions, Clauses. PL/SQL architecture, PL/SQL and SQL\*Plus, PL/SQL Basics, Advantages of  PL/SQL, The Generic PL/SQL Block: PL/SQL Execution Environment,  PL/SQL Character set and Data Types, Control Structure in PL/SQL, |

July 2021

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| Cursors in PL/SQL, Triggers in PL/SQL, Programming using PL/SQL. |