CHRIST (Deemed to be University)

Department of Computer Science

Master of Computer Applications

Course: MCA513-1 - Advanced Database Technologies

Exercise No: LAB Exercise – 2

Date of assignment: 27-06-2025 Date of submission: 29.06.2025

Demonstration of the Relational Model

1. Create the necessary tables for the identified database objects from the ER Diagram of your business domain with the necessary constraints (Primary Key, Unique, Not Null, Check, Default, and Foreign Key).
2. Demonstrate the enforcement of constraints with necessary inputs.
3. Demonstrate the enforcement of constraints using the ALTER TABLE command.
4. List the constraints enforced on each table.
5. Demonstrate dropping of any one constraint of an object.
6. Demonstrate how data integrity is maintained by propagating changes across parent and child tables present in the database.
7. Demonstrate the Drop and Truncate Commands on the objects and display the records.

Evaluation Scheme: (Total 10 Marks)

Correctness and Demonstration	(5 marks)
Concept Clarity (Viva)	(3 marks)
Initiative & Effort (self-learning)	(2 marks)

General Instruction:

1. Create a Word document and paste all the answers. The file name should be your register number followed by lab No: Example: 2547101_Lab2
2. Upload the answer document in Google Classroom on or before the deadline mentioned.