Lab Code	CSL402	Lab Name	Database Management system Lab
Academic Year	2020-2021	**Semester**	IV
Class	SE3, SE4, SE9	**Course Incharge**	Ms. Vaishali Chavan

Laboratory Outcomes (LO)

LO No.	**LO Statement** (At the end of the course, students will be able to …)	BL
1	Construct ER and EER diagram for the real life problem with software tool.	3
2	Apply different rules for Creating and updating database and tables with different DDL and DML statements.	3
3	Apply integrity constraints and provide security to data.	3
4	Construct simple and Complex SQL queries.	3
5	Apply triggers and procedures for specific module/task	3
6	Illustrate Handing of concurrent transactions and access data through front end (using JDBC ODBC connectivity.)	3

List of Experiments

Sr. No.	Title	LO	PSO	PI
1	Design an Entity-Relationship (ER) / Extended Entity-Relationship (EER) Model for the given case study and detail statement of problem.	LO1	1,2	1.3.1, 2.1.1, 2.2.3, 2..3.2,3.1.1, 3.2.1, 3.5.1, 4.1.2, 4.3.3, 5.1.2, 10.1.2
2	Perform mapping ER/EER to Relational schema model.	LO2	1,2	2.2.3, 2.2.4, 2.3.2,3.5.1, 4.1.3, 4.3.1, 4.3.3, 4.3.4, 5.1.2, 8.1.1, 10.1.1,10.1.2 ,
3	Write Data Definition Language (DDL) and DML Commands to populate database for the given specified System.	LO2	1,2	2.2.3, 2.2.4, 2.3.2,3.5.1, 4.1.3, 4.3.1, 4.3.3, 4.3.4,

				5.1.2, 8.1.1, 10.1.1,10.1.2 ,
4	Write Integrity Constraints for the specified system.	LO3	1,2	2.3.2, 2.4.3, 3.5.1, 4.1.3, 5.1.1, 5.1.2
5	Write Simple queries, string manipulation operations for the given statement of problem.	LO4	1,2	2.3.2, 2.4.3, 3.5.1, 4.1.3, 5.1.1, 5.1.2
6	Write Nested queries and Complex queries for the given statement of problem.	LO4	1,2	1.1.1, 4.1.3,, 5.1.2, 5.2.1
7	Perform Join operations for the given statement of problem.	LO4	1,2	1.1.1, 4.1.3,, 5.1.2, 5.2.1
8	Write Views and Triggers for the given statement of problem.	LO5	1,2	1.1.1, 4.1.3, 5.1.2
9	Write Functions and procedure for the given statement of problem.	LO5	1,2	1.1.1, 4.1.3, 5.1.2
10	Perform Transaction and Concurrency control for the given statement of problem.	LO6	1,2	2.1.2, 2.4.2, 4.1.3, 5.1.2, 9.1.2, 9.2.1, 9.3.1, 12.2.1
11	Write a Program to perform database connectivity (JDBC-ODBC).	LO6	1,2	2.1.2, 2.4.2, 4.1.3, 5.1.2, 9.1.2, 9.2.1, 9.3.1, 12.2.1

Name: Vaishali Chavan   **Signature:**

Date: 25/01/2021