**Southeast University**

**School of Science & Engineering**

**Department of Computer Science and Engineering**

**Database Design Lab (CSE3012)**

**Project Deliverables for Summer 2019**

**Final Report**

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| **Faculty Name: Kimia Aksir**  **Faculty Initial: KIA**  **Email:** [kimia.aksir@seu.edu.](mailto:kimia.aksir@seu.edu.com)bd | **Total Marks: 40(20 in report+20 in VIVA)** |

**Part A**

1. Project Overview
2. An ER-Diagram
3. Creating Database, Database table(s) followed by your design decisions in the ERD
4. Demonstrate Database Queries on the created tables(Queries have to be combination of simple and complex queries), at least 15 types of queries you will have to perform all together
5. Create multiple tables
6. Create multiple views(using multiple tables)
7. Insert appropriate values in each tables
8. Alter tables
9. Using LIKE, IN, BETWEEN, OR, AND in your DML queries
10. Using aggregation functions (MAX, MIN, COUNT, SUM and AVG)
11. Using GROUP BY FUNCTION
12. Using ORDER BY (‘asc’ / ‘desc’)
13. Using mathematical operators
14. Perform delete operation
15. Perform update operation
16. Perform joining
17. Perform sub-queries

**Part B**

Viva voce

**Deliverables**

1. Lab report in hardcopy will be containing ERD, all the queries and the screenshots of successful execution of the proposed topic
2. Bring all the queries in softcopy for the viva

\*\*\*\*\*\*\*\*\*\* No Late submission will be entertained\*\*\*\*\*\*\*\*\*\*\*