# CSE 216

# Project Guidelines July 2017 Term

Each project must be divided into the number of modules equal to the number of students in the project and each student will take one module each. Each module must be given a module title which will be subtitle of the project.

**Individual Performance**

**Task1:** For each module, a description (Scenario) of the module will have to be submitted. The description will contain all information about the entities and attributes of the system, multiplicity constraints, primary key, foreign key, etc. binary/ternary relationships, generalization/specialization and other related information.

**Task2:** Each student must design the ERD of his own module. There may be overlapping of entities among modules in the group. So it may be redundant. It is not a problem. Each ERD of the module must be complete.

**Task3:** The module ERD must be transformed into relational schema. The SQL DDL will have to be created using the relational schema. Primary, foreign key and other constraints will have to be added to the SQL DDL. The SQL DDL along with sample data in an sql file will have to be generated so that data can be loaded to the database as per DDL. The sample data will be synthetic data but it should be sufficient to process all kinds of queries.

**Group/Individual Performance**

**Task4:** ERD of each module will have to be integrated into an integrated ERD. Table will have to be created for the integrated ERD. The data input form for each module must be designed and implemented.

**Task 5:** Trigger, Functions, Procedures and theSystem Implementation, Demonstration and viva

In this phase, for each project, definitions of some triggers, functions and procedures must be given as per the requirement of the project supervisor.

Software output and relevant reports:

* Simple reports will have to be designed and implemented to show the regular activity/ daily activities.
* Detailed report will have to be designed and implemented to contain all detailed information.
* Summary reports must be produced on weekly/monthly/annually based on the daily reports.

In the final submission, students have to demonstrate all the features of the software as per above. The marks are allocated for the completeness and organization of the overall performance of the system.