



United International University (UIU)

Department of Computer Science & Engineering (CSE)

Course Title: Database Management Systems

Course Code: CSI 221 Fall 2021 Section: A/B

Assignment 02

1. Consider the following **University** database.

student(student_name, dept_name)
department(dept_name, location_name)
subject(student_name, subject_name)
teacher(teacher_name, dept_name, salary)
group(teacher_name, group_name)

2. Write the **SQL statements** and their corresponding **Relational Algebra expressions** for the following queries.

- Show the students' names who are from the "CSE" department.
- Show the students' dept names and their subject names.
- Show the students' names who are only studying in the subject that the student "King" is studying.
- Show the teachers' names who are at least in one of the groups of the teacher "Zeb" is in.
- Show the teachers' names who are present in exactly all the groups that the teacher "Zeb" is in.
- Show the number of groups that the teachers are involved in.
- Show the teacher's name with the maximum salary.

Submission Deadline: **MID Exam Day (15-12-2021)**

For any query mail me at **azhossain.98.ah@gmail.com**