



**EAST WEST UNIVERSITY**  
**Department of Computer Science & Engineering**  
**B.Sc. in Computer Science and Engineering Program**  
**Quiz II, Summer 2021 Semester**

**Course:** CSE347 Information System Analysis and Design, Section-1  
**Instructor:** Md. Mohsin Uddin, Senior Lecturer, Department of CSE  
**Total Marks:** 20 (10 will be counted for final grading)  
**Time:** 40 Minutes

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1. Consider the following simplified description of a university where professors teach seminars in which students can enroll. **Construct** an appropriate class diagram. Add attributes and methods when necessary. You do not have to include getters and setters for attributes. In your diagram use appropriate notations, symbols, multiplicity to represent Generalization (class, abstract class/interface), Aggregation, Composition, and Association. [CO2,C4, Marks:20]

“A professor of East West University has a name, unique employee id, phone number, address, email address, and salary (must not be public). A student of the same university has also a name, id, cgpa and address. A student, however, has an average mark (of the final marks of his or her seminars). A seminar has a name and a number. When a student is enrolled in a seminar, the marks for this enrollment are recorded and the current average as well as the final mark (if there is one) can be obtained from the enrollment. From a student one can obtain a list of seminars he or she is enrolled in. Professors teach seminars. Each seminar has at least one and at most four teachers. In each seminar, one of the enrolled students must play the representative role. There are two types of seminar: bachelor and master. From a bachelor seminar students can not withdraw. From a master seminar they can. The officers of logistics department allocate lecture galleries for different seminars. A lecture gallery has unique name and unique number. An officer has a unique employee id, name, address. All the employees involved with seminars must provide feedback.”