**Csc1203- Tutorial**

**Q1.** **International School of Technology**

International school of technology to assist them in scheduling classes. Below are the list of entities, attributes, and business rules.

* Room is identified by Building\_ID and Room\_No and also has Capacity. A room can be either a lab or a classroom, nothing else.
* Computer identified by ComputerID and has attributes ComputerType, TypeDescription, DiskCapacity, and ProcessorSpeed.
* Media is identified by MediaID and has attributes of Media\_Type and TypeDescription.
* Instructor has identifier Emp\_ID and has attribute Name, Rank, and phones.
* Timeslot has identifier TSIS and has attributes DayOfWeek, StartTime and EndTime.
* Course has identifier CourseID and has attributes CourseDescription and Credits. Courses can offer one or more sections and there is no section open until its course was created.
* Section has identifier SectionID (ex 01, 02, etc) and attribute EnrollmentLimit.
* A room cannot be both classroom and a lab. There also no other room types to be incorporated into the system.
* A lab has one or more computer. However, a classroom does not have any computers and it contains different type of board need to be saved.
* A room can be provided with one type of media, several types of media, or no media.
* Instructors are trained to use one, none, or many types of media.
* An instructor teaches one, none, or many sections of a course in a given semester of a given year. An instructor specifies preferred time slots.
* A room scheduled for a section during many time slot in a given semester of a given year.

(Hint: your section is scheduled at specific room for different slot times (Ex: Section 01 scheduled at room no. 3 in (8-9 sat , 8-9 Mon, 8-9 Wed))

* Course can have one, none, or many prerequisites courses before you can register for the given course.

