|  |  |  |
| --- | --- | --- |
| **Ex.No. 3** | **Database Design (ER Model)** | **Date :** |

1. Construct an ER diagram for a car insurance company whose customers own one or more cars each. Each car has associate with it zero to any number recorded accidents. Each insurance policy covers one or more cars, and has one or more premium payments associated with it. Each payment is for a particular period of time, and has an associated due date, and the date when the payment was received.
2. A university register’s office maintains data about the following entities
3. courses, including number, title, credits, syllabus, and prerequisites
4. course offerings, including course number, year, semester, section number, instructor
5. students, including stud-id, name and program and
6. Instructors, including identification number, name, department and title.

Further the enrollment of students in course and grades awarded to students in each course they are enrolled for must be appropriately modeled.

Construct an ER diagram for the registrar’s office. Document all assumptions that you make about the mapping constraints**.**