

DBMS Assignment –I

1. A university registrar's office maintains data about the following entities:
 - (a) courses, including number, title, credits, syllabus, and prerequisites;
 - (b) course offerings, including course number, year, semester, section number, instructor(s), timings, and classroom;
 - (c) students, including student-id, name, and program; and
 - (d) instructors, including identification number, name, department, and title.

Further, the enrolment of students in courses and grades awarded to students in each course they are enrolled for must be appropriately modelled.

 - i. Construct an E-R diagram for the registrar's office. Document all assumptions that you make about the mapping constraints.
 - ii. Construct appropriate tables for the E-R diagrams.
2. Construct an E-R diagram for a hospital with a set of patients and a set of medical doctors. Associate with each patient a log of the various tests and examinations conducted.
3. Construct an E-R diagram for a car-insurance company whose customers own one or more cars each. Each car has associated with it zero to any number of recorded accidents