

Entity Relationship Diagram for College Management System

Entities:

- 1) Student
- 2) Faculty
- 3) Department
- 4) Hostel
- 5) Exams
- 6) Courses
- 7) HOD

Attributes:

- 1) Student: Id, Name, Address, Date_of_Birth, Age, Mobile_no, Gender
- 2) Faculty: Id, Name, Mobile_no, Department, Salary
- 3) Departments: Id, Name, No. of Courses, No. of Faculties
- 4) Hostel: Id, Address, Name, No_of_seats
- 5) Exams: Exam_code, Date, Time, Room_no
- 6) Courses: Course name, Course id, Duration
- 7) HOD: HOD_ID, Name

Description:

- Faculty teaches the students
- Student lives in hostel
- Faculties belong to a department
- Student enrolls in courses
- Department conducts exams
- Department provides courses
- Student appears for exams
- There is one to n relationship between faculty and students, hostel and students, department and faculty, department and courses, department and exam, Student and courses, etc
- There is n to one relationship between student and faculty, faculty and department, students and hostel, courses and department, etc.
- There is one to one relationship between HOD and department, as one department has one HOD.

