

UNIVERSITY ADMINISTRATION SYSTEM

Milestone: Project Proposal

Group 01

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Problem Statement:

The management and administration of the university's activities since utilizing manual or conventional techniques is quite tiresome. The major objective of this project is to handle a database in a way that makes it easy, accurate, and efficient to access information about students, staffs, library, on-campus activities, admissions, payments, research, stores, information technology services and other extra-curricular activities.

Theory:

All the universities require an organized and systematic office solution. In each university, there are several administration departments responsible for the upkeep of college information and student databases. All these departments keep various records on pupils. The majority of these track records must keep information on the pupils. This information includes basic facts such as student and staff information, on campus activities, research works, particular information connected to departments such as data gathering.

All the programs in university administration are interconnected. They are manually maintained. As a result, they must be automated and consolidated since information from one module will be required by other modules. For example, when a student wants his course co transcripts, numerous facts about him must be enquired, such as his name, registration number, year of study, major, and many other details. Therefore, it must contact all of the modules that are office, department, examination, and student results.

The project majorly focuses on the department which receives the maximum number of full-time opportunities, research projects from external sources and the information about enrollment of students in each course. The requirements for the projects are detailed below.

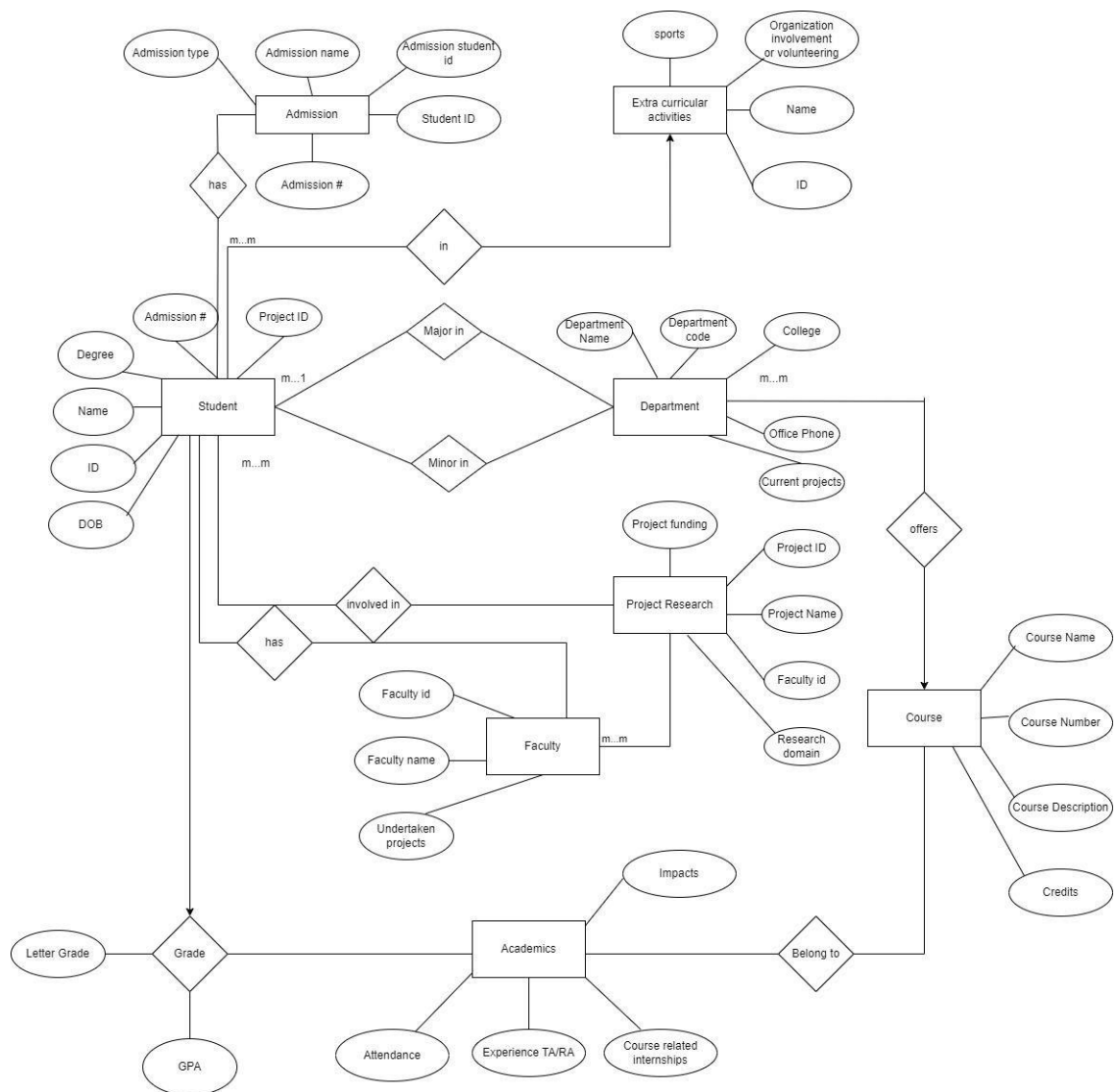
Data required:

1. Student data
2. Department data
3. Faculty data
4. Project research data
5. Admission cell data
6. Data for extra-curricular activities

Relationship between entities:

- A student can have multiple faculty members and vice versa
- A student can be enrolled in one department, but a department can have multiple students.
- A faculty member can handle multiple departments.
- A student can work on one project under one faculty member, and a faculty member can have multiple students working on multiple projects.
- A faculty member can handle multiple student's academic data and a student can handle only his/her academic details.
- Admission cell will be having multiple student's information but a student will have only his/her information.

Conceptual data model using the EER model:



Conceptual data model using the UML Class diagram:

