**Student Registration Portal**

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**Title**-

Student Registration Portal

**Problem Statement**-

Making a Student Registration Portal

**Introduction**:-

This portal consists of students’ details, the courses taken by the student, the teachers teaching the particular course. The year-wise and semester-wise results of each student are displayed. The portal gives details of all the courses offered by the department.

**Student Info**

This table contains details of the student, the registration details such as name, address, religion, caste, email, details of SSC and HSC, Aadhar card, contact information. A MIS number will be assigned to each new student who joins the college.

**Student**

This table gives information about the new registered student. These include the department into which is the student is present. A MIS number will be assigned to each new student who joins the college. Each MIS will be different depending upon the branch the student is present in. The table also gives the total credits the student of the particular branch has to earn.

The degree gives information of whether it will be a BTECH/MTECH/PHD.

Also, it gives details of year of joining.

**Semester**

This table gives information about the courses available for that particular semester for any department. It also gives information about the credits assigned to each course.

**Semester-N Details**

This table gives details of that particular semester for each student.

For ex, for a BTECH degree, there will be four years for a student, giving 8 semesters for the total course. This table has a sem\_no attribute which will give details for that particular semester. It gives details such as the grade earned by the particular student, whether he has passed or failed in any course.

**Academic**

This table gives details for cgpa , sgpa for each student for a particular semester.

**Course**

This table gives details about the course offered by the college by each department, whether is a practical or a theory, the credits allotted to the course and the course name along with its course ID.

**Grades**

This table gives the relation between the grades and the pointer.

For ex, AA corresponds to a 10 pointer, BB corresponds to an 8 pointer.

**Department**

This table gives the relation between the department id and the department name.

For ex, CSE could mean computer engineering, ENTC implies electronics and telecommunication.

**Teacher’s Subject**

This table gives the details of which course the teacher will teach in that particular semester.

**Faculty**

This table gives the information for each faculty when the faculty joins the college. The respective faculty id will be given based on the course the faculty teaches. The Salary also given based on the position the faculty joins. The table also gives information of the respective department the faculty belongs to.

**Relational Schema**:

**Underlined and Italicized** denotes the primary key for each Relation.

**Department** (*Department\_ID*, Department\_Name).

**Grades** (*Grade*, Pointer).

**Student** (*MIS*, student\_name, Department\_ID, Credits, Year of Joining, Degree)

**Student Info** (Name, email\_id, Contact\_no, *MIS* ,12\_Board, 12\_YOP, 10\_Board, 10\_YOP, 12th\_marks, 10th\_marks, Caste, Religion, Address)

**Semester** (*sem\_no*, course\_no, course\_name, credits)

**Course** (*course\_no*, course\_name, Credit, Department\_ID, Type)

**Teacher’s Subject** (*course\_no*, sem\_no, faculty\_id, course\_name)

**Sem-N Details** (*course\_no*, course\_name, sem\_no, grade, Status, MIS)

**Faculty** (*faculty\_ID*, faculty\_name, Department\_ID, Salary)

**Functional Requirements**:

* Students and teachers can input their personal data for registration into the institute (Data manipulation).
* The application will give details of students’ performance, details in a neat and orderly manner.
* The application will also tell which teacher is teaching a particular course in that semester.