

University Registration Portal

A software product is to be developed for the automation of the college registration system. The main participating entities are Students and university academics branch (referred to as management from here on). Each student has to register for 6 subjects each semester where the subjects in the first 4 semester are fixed and the next 4 have options for electives. Any student failing to have less than a required number of credits will not be allowed to register for the coming semester.

The system is required to perform the following functions:

I. Signing up for students

Each student will sign up by entering their details, this includes their personal details, addresses, university details, and previous results. The students will then be redirected to the profiles for registering for the upcoming semester.

II. Registration

Once the student has signed up for the system, the students will then register for the upcoming year. The students of semesters 1-4 will have no provision for electives while students of semester 5-8 will be able to choose up to 3 electives. Once the registration is done, a student registration document will be generated showing the details and enrolled courses.

III. Course Management

After the registration period is complete the management will then be able to generate a list of all subjects with all the students enrolled in it subject/semester wise. They'll also have an option of generating sections by randomly picking students from the lot. (The number of sections will be decided using 50 students per class criterion). At the end the following data will be generated:

- i. List of students enrolled in each course.
- ii. Section-wise student list with the assigned professor and subject codes attached.
- iii. A departmental list of all all students enrolled in courses from that department

IV. Misc Features

- i. During the registration process students will be able to visit the subject pages to see the syllabus, course books, the professor incharge and Tas.
- ii. Each professor will have a profile as well showing their details.
- iii. Once the mentioned lists have been generated, the professors and students will be able to check the assigned sections. The professors will also be able to get a list of the students in their section.