

University Department Information System

Various details regarding each student such as his name, address, course registered, etc. are entered at the time he/she takes admission.

At the beginning of every semester, students register for courses. The information system should allow the department secretary to enter data regarding student registrations. When the secretary enters the roll number of each student, the computer system should bring up a form for the corresponding student and should keep track of courses he has already completed and the courses he has back-log, etc.

At the end of the semester, the instructors leave their grading information at the office which the secretary enters into the computer. The information system should be able to compute the grade point average for each student for the semester and his cumulative grade point average (CGPA) and print the grade sheet for each student.

The information system should also keep track of inventories of the Department, such as equipment, their location, furniture etc.

The Department gets a yearly grant from the University and the Department spends it in buying equipment, books, stationery items, etc. Also, in addition to the annual grant that the Department gets from the University, it gets funds from different consultancy service it provides to different organizations. It is necessary that the Department information system keeps track of the Department accounts.

The information system should also keep track of information such as the research projects running in the Department, publications by the faculties, etc. These information are keyed in by the secretary of the Department.

The information system should support querying the up-to-date details about every student by inputting his roll number. It should also support querying the details of the cash book account. The output of this query should include the income, expenditure, and balance.

Major Entities – students, secretary, courses, instructor, information system, department etc.

Major Functionality – department information system, student details, course details etc.