**University Registration System**

A university is organized in different teaching schools and each school conducts a variety of programmes. Admissions to the various programmes offered by each school are done through counseling. Admission slips are issued to the admitted students giving their roll numbers, name of the school and name of the programme. Students are registered in various schools manually based on the admission slips. Students are assigned papers (compulsory, elective and practical) depending upon the scheme of the selected programme. Every school is responsible for its registration process and following are prepared and maintained manually.

1. List of students registered in a programme
2. List of students registered for a particular paper
3. List of papers offered in a particular semester
4. List of faculty in a school
5. Personal details of the students
6. Registration card for every registered student

University decides to automate the manual registration process in order to improve the existing system. The proposed system should perform the following functions:

1. Issue of Login Id and password to the members ie student and faculty
2. Maintain the personal details of the students
3. Maintain the detail of the various papers – Theory (compulsory and elective) and practical as per the scheme of the programme
4. Issue of registration card to the student in every semester
5. List of registered students
   1. Roll Number wise
   2. Programme wise
   3. Semester wise
   4. Paper wise
6. List of programmes offered by university
7. List of papers offered in a particular semester for a particular programme
8. List of faculty in a school

Sequence Diagram

Activity Diagram



ER Diagram

1:1

Student

School

Faculty

has

Program

Subject

conducts

teaches at

studies at

1:1

1:\*

1:1

1:\*

1:\*

1:\*

1:\*

1:\*

registered for

1:\*

Class Diagram



Use Case Diagram

Data Flow Diagram

Student

Registrar

Faculty

Starts Registration Process

Issue Registration Card

Request for various Lists

Registers at University

Browse courses

Select courses

Deposit Fees

Login into the system

Login into the system

Updates Personal Information

Accept Fees

Confirm Registration

List of Faculty

List of Students

List of Programmes

Deposit Fees

Registers

Enrolls in Programme

Programme Details

Faculty Details

Registrar

Faculty

Login Details

Student

Enter Username Password

Enter Username Password

Student Details

Fee Records