Assignment 1:-

STUDENT COURSE REGISTRATION

1.0 PROBLEM DEFINITION:-

To build software that automates the student's course registration.

1.1 This is proposed for automating the student's course registration. While the student joins any educational institution his admission is made on the basis of his previous records.
1.2 The students who wish to the institution must be given with the available course details.
1.3 The student is allotted with a seat in the institution based on the marks that he scored in the institution he studied previously. After the confirmation of his joining the student must be given with new identity and records as per the institution.

2.0 THE OVERALL DESCRIPTION :-

2.1.1 This is proposed for automating the student's course registration. While the student
joins any educational institution his admission is made on the basis of his previous records.
2.1.2 The students who wish to the institution must be given with the available course details.

2.1 PRODUCT PERSPECTIVE :-

2.2.1 Hardware interfaces
   2.2.1.1 Hard disk: The database connectivity requires a hardware configuration
          that is on-line. This makes it necessary to have a fast database system
          running on high rpm hard disk permitting complete data redundancy and
          back-up systems to support the primary goal of reliability.
   2.2.1.2 The system must interface with the standard output device, keyboard and
          mouse to interact with this software.
2.2.2 Software interfaces
 2.2.1.2.1 Back End: MS-Access
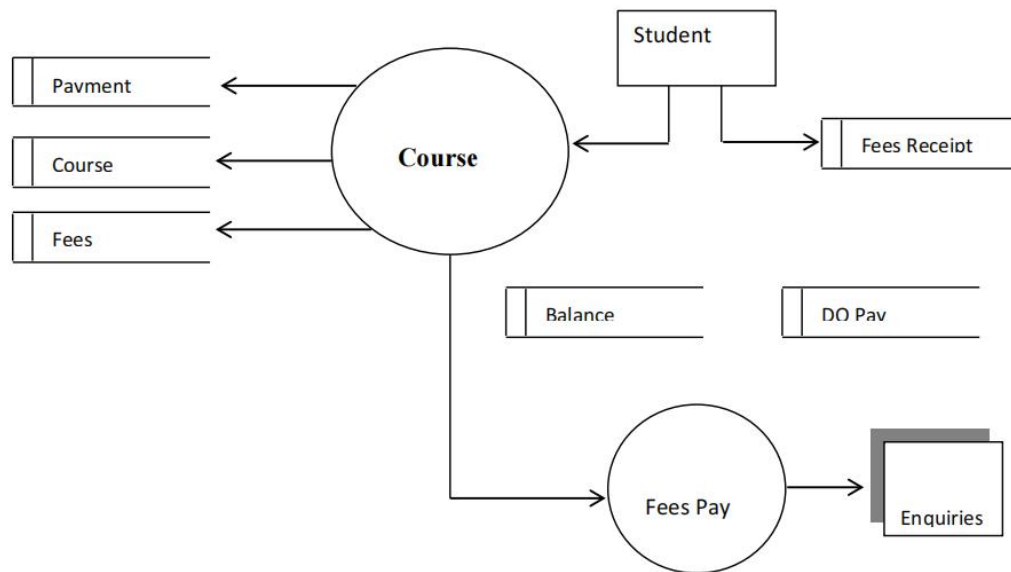 2.2.1.2.2 Front End: Microsoft Visual Basic 6.0
2.2.3 Memory Constraints

2.2 FRONT – END DESCRIPTION:-

The Student Course registration system is automated system where the user can register the
student for various courses.

2.3 BACK – END DESCRIPTION :-

The Student Course registration system consists of two tables. One contains the student details such as the name, id number that is the password, address, and date of birth. The Course details consist of the title of the course, code of the course, available seats.

2.4 DATA FLOW DIAGRAM:-

3.0 TESTING:

FORM NAME	INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT	STATUS
MAIN FORM	Details	Details are displayed	Details are displayed	Pass
REGISTRATION FORM	Enter the student of details	Check Seats Availability		Pass
REPORT FORM	Select Course	Display the particular course student	Students details are displayed	Pass