**EXPERIMENT 1**

**AIM:** To write problem statement for the case study “University Registration System”.

**Problems Faced in the Current System:**

Course registration at the local university is currently done by hand. Students fill out forms that contain their course selections and return the forms to the registrar. Clerks then enter the selections into a database and a process is executed to create student schedules. The registration process takes from one to two weeks to complete.

The current manual system faces different challenges as to maintaining data of each student manually. Hard copy registers are maintained currently to verify student details. From students’ point of view, they have to fill the forms manually and then get them verified from concerned officials, which is a very time consuming process.

**Problem Statement of the Proposed System:**

A software product is to be developed for automating the functioning of a university registration process. The proposed software would aid in smooth registration process of a university aims at reducing the workload all the entities involved in the registration procedure for the students.

A university has various departments and a number of courses in each department. The system should enable the users (students/faculty/administration) to perform various tasks corresponding to their roles such as access of their own registration card by the students and/or list of courses a student can opt from. A faculty can keep all the details regarding the number of students, their corresponding programmes and other details etc. An administrator can check course details, faculty details, total number of registered students etc.

Information about each course, such as professor, department, and prerequisites will be included to help students make informed decisions. The students should be able to view the list of departments in the university along with the various branches in those departments.

The students should be able to fill the choices of branches in order of their preference. The students should be able to pay their registration fees and print registration form. The faculty and the students should be able to see their respective time tables.

**RESULT:**

The problem statement of the system assigned is properly understood and laid out in front of the students. Also, the functionality of the system is described, which will make the further steps in project easier.

**DISCUSSION:**

The definition of the problem statement of the system has made a clear picture of the system under consideration, which will help in smooth passage into the next segments of the project.

**CONCLUSION:**

The problem statement is produced which contains all the consolidated requirements of the software to be produced.