EXPERIMENT 1

AIM: To draft the problem statement of the University Registration System.

DESCRIPTION:
The problem statement of the system is the first step in the direction of gathering requirements and making an efficient software product.
A problem statement is a short description of the issues that need to be addressed by a problem solving team and should be presented to them (or created by them) before they try to solve a problem.

- When bringing together a team to achieve a particular purpose, they would be provided with a problem statement. A good problem statement should answer these questions:
- What is the problem? This should explain why the team is needed.
- Who has the problem or who is the client/customer? This should explain who needs the solution and who will decide the problem has been solved.
- What form can the resolution be? What is the scope and limitations (in time, money, resources, and technologies) that can be used to solve the problem? Does the client want a white paper? A web-tool? A new feature for a product? A brainstorming on a topic?

Steps to be followed

- The system is understood and existing problems documented
- A probable solution is proposed along with a high level outline of the features that it will possess and the functions it will perform.

RESULT:

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.

Features 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.

Discussion/Learning

Learnt to draft the problem statement of a system- the most basic document. The problem statement is not only an analysis of the problems the current system faces but also an effort at investigating possible solution for the same

Conclusion

The problem statement of the University Registration System was drafted