**Student Management System**

**Case-study**

**Problem statement:**

Information plays an essential job in the advancement and development of an organization. The various departments have systems in place to store and process student data but the systems are not able to talk to each other. This makes it difficult for the registrar to collate information of students across departments.

For instance, if a registrar wants academic information of a student immediately, he will have to go to different teachers, different faculties, different members and departments to gather information of the student. If a student wants to get his transcript, he will have to run towards university, submit an application and then wait for response. He cannot get his transcript immediately. The Student Management System is an automated version of manual Student Management System.

**Objectives and Purpose:**

The objectives of the project are:

* To build an integrated student database system to facilitate an easy access of records of students across departments.
* To maintain all the accounts of the students from enrollment up to the end of the study.

It can handle all the details about a Student. The details include Exam details, Students personal details, Course details, Faculty details etc.

* To update the information that is essential to transmit to the users.
* To have a centralized control over the records of the students, departments, teachers, staffs, library, etc., and monitor the changes in these records.
* To update marks of each subject’s assignments, quizzes, exams and post calculated result.

Almost all work is computerized. So the accuracy is maintained. Maintaining backup is very easy. It can do it within a few minutes.

**Schema’s Tables:**

The project includes following tables with the attributes mentioned under each table’s heading.

**Student:** Student id (number), First name (text), Last name (text), Registration number(text), Gender (character), Date of Birth (date), Email (text), Phone(number), CNIC (text), Temporary address (text), Permanent address (text), Guardian’s Name (text),Guardian’s CNIC(text), Date of joining (date).

**Teacher:** Teacher’s name(text), Teacher ID(number), DOB(date), Email(text), Salary(number), cell number(number), Qualification(text), Date of joining(date), CNIC(text).

**Courses:** Id (number), Course name (text), description (text).

**Staff:** Staff id(number), first name(text), Last name(number), date of birth(date), email(text), cell(number),salary(number),Qualification(text), Gender (character),CNIC(number), temporary address(text), permanent address(text).

**Fee Data:** Form id(number), student id(number),fine(number),tax(number), monthly tuition fee(number), Discount(number), extra charges(number), kinship (number).

**Teacher Timetable:** Course id (number), teacher id (number), course name (text), Venue (text), Time (time).

**Student timetable:** Course id (number), student id (number) teacher id (number), course name (text), Venue (text), Time (time).

**Grades:** Grade id (number), student id (number), midterm (text), final term (text), quiz (number) , assignment (number), grade (character).

**Attendance:** Student Id (number), number of leaves (number), date of leave (date), Time (time), Subject ID (number).

**Library:** Student ID (number), Library ID (number), Dues (numbers), Issue Date(date), Expiry Date (date), Book ID(number), Book Title (text).