STUDENT RECORD-KEEPING SYSTEM DATABASE PROJECT

ABSTRACT

Education institutes can simply maintain the records of their students by using the student record-keeping system. Using a manual system makes it challenging to accomplish this goal because the information is dispersed, often redundant, and gathering relevant information can take a lot of time. Using this project, all these issues are resolved.

PROJECT OBJECTIVES

Such a database management system is intended to maintain student records in an appropriate and ordered manner, enable data and information flow across various activities related to processing student information, and safeguard student data.

The scope of this project is as follows:

1. The application will assist in adding student records like their personal information, information about fees, information about scholarships, information about courses, and information about grades.
2. Depending on approved authority, the application shall allow editing or deleting of any student record.
3. The application should allow the generation of reports such as mark statistics, student fees duelist, etc.
4. Role-based authorization must be enabled for read and write processes for the application to have access based on authorization.
5. For security reasons, sensitive data must be maintained in encrypted form, like payment and password information.
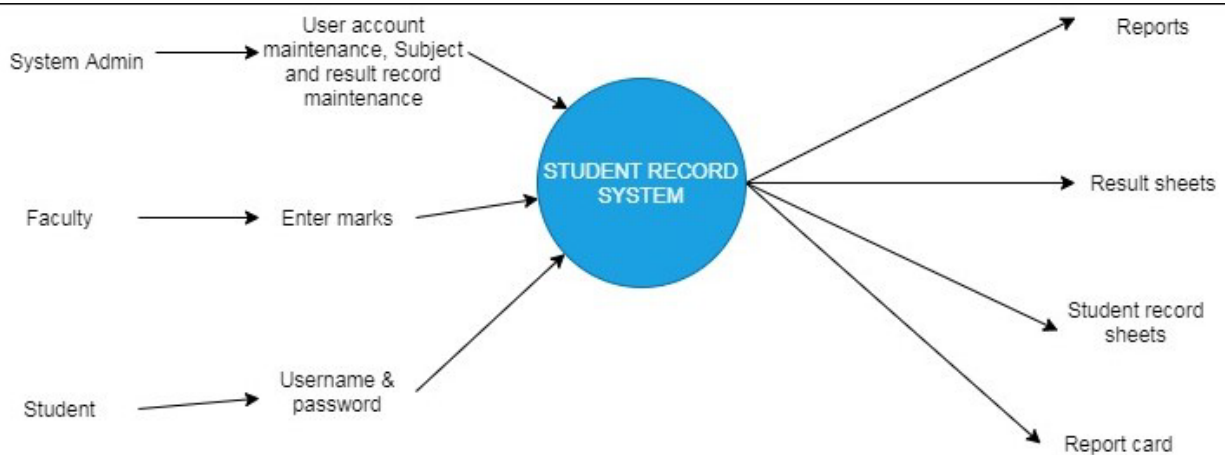
REQUIREMENT ANALYSIS

The application should allow **Administrator** to do the following:

1. Add Student: Allow **Administrator** to add student details like Name, Enrolment ID, Contact Number, Address, Course Enrolled, Subjects, Date of Birth, Gender, etc.
2. Manage Student: Allow **Administrator** to view student record, delete existing student record, edit or update any existing student record.
3. Allow the **Administrator** to add marks, manage marks and generate results.
4. Allow the **Administrator** to generate lists of students who have not paid fees and those who have availed scholarships.
5. Allow the **Administrator** to manage user records and change passwords.

Student can do the following:

1. The application should allow student to register
2. The application should allow students to view and download result.

CONCEPTUAL DIAGRAM

TABLES