

Student

Management

System

\*\*Manage students efficiently with an all-in-one system.\*\*

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# Section 1: System Idea in a Nutshell

The University Student Management Database System (USMDS) is a user-friendly platform that will assist academic staff to store and organize student’s information easily in one place. We understand that how challenging it is, to store the information of the thousands of students and update it frequently when it is required.

After studied existed Student Management Databases, we came up with the idea to create a new database that will not only helps in reducing the administrative tasks performed by the academic staff such as student’s grades, attendance, records, course registration and many more, but also helps students to manage their profiles along with the high level of security.

Apart from that, with the assistance of this database, it will also become easier to update the student’s information frequently in a swift manner.

# Section 2: Story Behind the Idea

Everybody is familiar with the topic of Student Management System; still academic staff finds it a stressful task to gather information of plenty of students and keep a track on their profile. Despite of having enough knowledge about SMS (Student Management System), many universities need extra staff members to manage the student information effectively. The one vital reason for this is the increment of number of students per university.

Therefore, to tackle such a problem, me and my team members decided to design a database that can handle all aspects of student management, such as from enrolment and course registration to keep an eye on academic performance and managing various complicated administrative tasks.

We think that this database would be fruitful for the academic institutes to deal with vast number of students and their information effectively.

# Section 3: Information offered to the user

Our system will offer complete information for the students as well as staff members of the college or university to enhance the overall experience of studies. For students, the system will offer all the personal details of the students such as name, date of birth, gender, address, contact information, email address. Some other details from academic side like student ID, enrollment status, course subjects (major,minor),classes schedules, grades, attendance records which will help student to get the all necessary information during study time.

This system will not assist students to manage their information, but will also becomes handy for the academic staff members. With the help of this database staff members can keep tracks on student’s performance by checking the student’s grades, so that they can assist those students who are struggling with studies by providing them extra support.

Apart from that, this system will also provides the complete administrative information for the students, for example, tuition fees, payment records, scholarships, financial aid details and health insurance details.

**Personal Information:**

* **Full Name**
* **Date of Birth**
* **Gender**
* **Address**
* **Contact Information**

**Academic Information :**

* **Student ID**
* **Enrollment Date**
* **Program of Study**
* **Subjects**
* **Grades**
* **Attendance Records**
* **Academic Advisor**

**Administrative Information:**

* **Tuition Fees**
* **Scholarships**
* **Financial Aid**
* **Health insurance details**

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# Section 4: Data stored By The System

A student management system is made to manage a variety of information on faculty, students, and academic activities.   
 **PERSONAL INFORMATION:** Name, gender, country, and date of birth are the basic details.   
  
**Contact details**: email addresses, phone numbers, and address.   
 **EMERGENCY CONTACTS**: Identity and contact information of guardians or emergency contacts.   
 **Academic Information:** Enrolment number, date of enrolment, and current class grade.

**CURRENT COURSES:** A list of the subjects and/or courses offered, together with their schedules and grades.   
 **RECORDS OF BEHAVIOUR**

**Disciplinary actions**: Documentation of all occurrences or disciplinary measures.

**BEHAVIORAL NOTES:** Remarks or observations regarding the conduct and behaviour of students.   
  
**INFORMATION ON HEALTH AND WELLNESS**

Medical documents pertaining to allergies, health issues, and immunisation data.

**Medications**: Details on any drugs taken while attending school.

**GUARDIAN INFORMATION**

**CLUBS AND ORGANISATIONS:** Involvement in sports, clubs, or other extracurricular activities;

**ACHIEVEMENTS**: Accomplishments or honours gained outside of the classroom.   
  
Institutions can monitor student development, oversee daily operations, and have productive conversations with students and their families with the use of this data. The depth and scope of data kept can differ based on the specific and its capabilities.

Section 5: WHERE IS THE DATA COMING from ?

A student management system's student data usually originates from multiple sources, such as:

**Forms for Enrolment**

**APPLICATION FORMS**: Data gathered from students' personal and academic histories during the application process.

**REGISTRATION FORMS:** Information collected, such as contact data and demographics, when students formally enrol in a course or program.   
  
**ADMINISTRATIVE RECORDS**

**REGISTRATION OFFICE**: Information gathered from administrative personnel for course selection and record changes during registration.

**Academic affairs**: Details about grades, reports, program modifications, and academic progress.   
  
**Academic Records**: Information on enrolment, grades, attendance, and performance in courses managed by course management systems.   
Exam records contain information from assessments, grading, and exams.

**AUTHORITY AND STAFF ENTRY**

Instructor feedback includes comments, evaluations, and grades

**Contributions from Staff:** Modifications and updates to student data performed by

Administration staff.

**Medical and counselling records**: Details pertaining to medical and counselling services, as

allowed under privacy legislation, if relevant.

**INFORMATION ABOUT SPECIAL ACCOMMODATIONS**: Specifics about the

services or accommodations offered to pupils.

**MANAGEMENT OF RESOURCES AND LIBRARY**

**Library checkouts**: A list of the books and materials that students have checked out.  
 Information about the utilisation of academic facilities and resources.  
  
 **DATA FINANCIAL**

**Fee payment details:** The finance office provides information on tuition, scholarship and financial features and functionality of the system. Still, a few of the main target audiences are usually as follows aid

**Financial aid applications**: Information gathered from loan and grant applications aswell as scholarship applications.

**Records of communications SURVEYS:** Information gathered via questionnaires feedback forms for students.

# Section 6: TARGET Users

The target users of a student management system (SMS) can change based on the   
 features and functionality of the system. Still, a few of the main target audience are usually as follows

**Students:**  
 The main users of the system are students who utilise it to access their personal data, grades, schedules, and communications from their school.

**Guardians/Parents:**  
The system is used by parents and guardians to monitor their child's attendance, academic achievement, and any significant announcements from the school or other educational facility.

**Instructors and Teachers:**  
The system is used by teachers and instructors to enter grades, oversee classroom activities, keep tabs on attendance, and interact with parents and students.

**Employees in Administration:**  
The system's daily operations are managed by the administrative staff, who also process admissions, maintain student data, and produce reports.

**College/School Administration:**  
Principals, deans, and other upper-level administrators make strategic decisions, evaluate performance indicators, and supervise all aspects of school operations using the system in school/college management.

**IT Support Employees:**  
The upkeep of the system's functionality, problem-solving, and data security are within the purview of IT support staff.

**Advisors for Academics and Counsellors:**Using the system, counsellors and academic advisors help students plan their courses, monitor their academic progress, and offer career recommendations.  
In order to carry out their responsibilities as assigned, each of these users interacts with the system differently and needs varying features and access levels.

# Section 7: SIMILAR SYSTEM

# Section 8: BENEFITS to the Users

# Section 9: diagram and visual design