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## Student Management System

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**Abstract:** *This project is based on web application. It manages the college information, student information, placement information, various different types of event going on in our college. Student Management System is software which is helpful for students as well as the school authorities. In the current system all the activities are done manually. It is very time consuming and costly. Our Student Management System deals with the various activities related to the students. In the Software we can register as a user and user has of two types, student and administrator. Administrator has the power to add new user and can edit and delete a user. A student can register as user and can add edit and delete his profile. The administrator can add edit and delete marks for the student. All the users can see the marks.*

**Keywords:** *Introduction, Goals, History, Features, Advantages, Disadvantages, Future Scope, Conclusion, Reference.*

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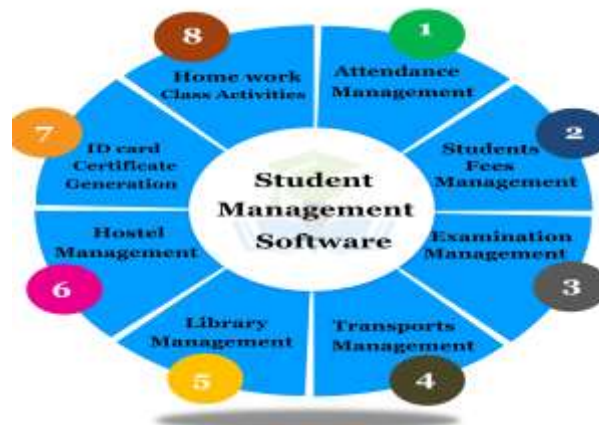
### I. Introduction

Sack Info project will work on college area network. Under this system it will include all the departments which comes a particular college. Student Information System (SIS) is a web-based application software designed to introduce a conducive and structured information exchange environment for integrating students, parents, teachers and the administration of a school or college. Some of the other software packages available for this purpose include Student Management System (SMS), Student Information Management System (SIMS) and Student Records System (SRS). These software systems enable educational institutions to supervise student-related activities such as keeping records of tests or examinations conducted, attendance, appraisal on performance including details of marks scored, particulars of everyday school attendance, and all other institution-related activities; in short, they provide a complete student records system. They are designed with diverse application potentials ranging from simple management of students' records at school to management of all student-related functions as well as administrative functions of a university or a chain of educational establishments.

### II. Goals

The main objective at the end of the day for any college is the dissemination of information in an environment that encourages accountability, relevance and retention of the information gathered. Such are the main objectives of a school administrator, who, as a student manager, is charged with allowing this opportunity and environment to occur on behalf of the students. Here are some of the goals and roles of student management:

1. Creation of Classroom Instructional resources.
2. The Development of Academic related programs
3. Monitor the progress of the students in academic
4. Teacher management and resource
5. Career Counseling
6. Administration, Records and Accountability



### III. History

Much of the software used in erstwhile student information systems and school administration worked on an out dated code base and had a curious mix of presentation, business sense, and data accessibility. It was impossible and often expensive to modify these systems to cater to future demands. Some of the early initiative software programs such as Web CT, SCT Campus Pipeline, Jet speed, and Blackboard merely enabled interactions between students and teachers for academic purposes and served only as a student information system. The advantage of having a student management system was missing as it was not possible to integrate any of the campus-based activities within these systems. Most often, student data were kept strewn in multiple locations, making it difficult to construe and project.

Educational institutions were looking for a web-based solution such as a student information management system or an intelligent student information system with an inbuilt mechanism to meet the requirements of student-related information management as well as to serve the purpose of a school management system. Furthermore, they were looking forward to a complete package on student information management system from a single vendor.



### IV. Features

#### 1. Communication & social features:

Student Information System need to be integrated with robust alerting and communication systems to alert students, parents or teachers on emergencies and key events. Alerts need to be triggered on key events like student being absent, broadcasting. Today there are also social network features for students and parents to collaborate together.

#### 2. Admission Management:

Why to keep bundles of files while all the data can be saved smartly. Instant search makes this data easily accessible. By using student information systems and school software you can manage all this and much more.

**3. Account Management:**

Only few student information systems offer true accounting functionality. Tracking institution's day to day expenses and income, keeping all records of fee received and the defaulters will make work easier for education institutions. If possible stay away from accounting software that doesn't talk to student information system.

**4. Laboratory Management:**

Manage the Lab inventory using IA. Know exactly about the chemicals, instruments are required and when.

**5. Profile Management:**

Each student, his/her parents, Teacher, Staff members and management will have separate login to access the desired information. So you can know all the things for every single student, his/her parents, Teacher, Staff members.

**6. Transport Management:**

Manage all the vehicles like bus, cars and transport vehicles that are used for transportation purpose. It can help in route description in association with the particular student, teachers and staff members.

**7. Attendance Management:**

Look for student information system that can manage day to day attendance of all the students easily. This helps in minimize proxies and paper work. Some Student Information Systems like Classe365 also sends automated SMS and email alerts when students are absent from classes.

**8. Examination Management:**

This module will allow you to manage all type of exams like unit test, half yearly test and final examination. It will enable you to announce your results faster via SMS and Email alerts.

### **V. Advantages**

**1. Smart management of student's data:** Students fees, examination, transports, library facility can be accessed directly using a unique identification number per student. This can be used by a student or the management for tracking their schedules/dues.

**2. Avid student performance:** Every child can now focus on their education, rather than running over to the management/administration to access their records. This gives them ample time to work on their weaker areas, achieving more than ever before.

**3. Streamline and simplify everyday tasks:** The dashboard helps in reminding which activities an individual needs to perform and which of them are already done. It gives a unified view collecting all the useful data on a single screen, making sure everything important is highlighted. This results in a better productivity and growth with minimum effort.

**4. Improves communication:** Not every student is as open in the classroom as some of their classmates, this could be either because of limited time or because of their hesitation while asking a query. With a discussion panel built into the software, they can ask away all the queries their heart desires. Having an alumni tab, let the students stay connected to their seniors who have already gone past the educational heights, and can further be useful while seeking assistance when they are out in the open world.

### **VI. Disadvantages**

**1. Costly :** applications face minor technical glitches and these systems are no exception but, ratification is immediate. Only, people who are accustomed to regular use of smartphones or computers can operate this software. The upfront cost of the software alone can be prohibitively high, especially for small-to-medium-sized businesses.

**2. Cost of Implementation and Maintenance :** While the software alone is a major investment, the implementation process can cost nearly four times as much. Businesses must take into account the cost of manpower and time necessary for a successful deployment.

**3. Complexity**

While project management software is meant to help companies organize things and streamline processes, learning the system may take time. Based on the program's complexity, there is a learning curve that needs to be taken into consideration.

Project managers will need to learn how to use the program's key features and ensure that their team members learn how to use the components relevant to the tasks they need to perform. It will obviously take time for everyone to get up to speed and before the new system is being used by everyone smoothly.

## **VII. Future Scopes**

1. In the future the students can also be able upload or download notes.
2. A few more minor tweaks here a there for making the application more visually appealing and will have statistics, tracking and analytics.
3. The whole project will be made available as an android app for far more ease of use and mobility.
4. To enable the student evolution with giving online exam and get the result on the spot.
5. To enable the student to view as well as raise suggestion from anywhere.

## **VIII. Conclusion**

This paper assists in modifying the existing system to site based system. This is a paperless work. It can be monitored and controlled remotely. It reduces the manpower. All gathered and extra information can be saved and can be accessed at any time wer required. It provides accurate information always. Malpractice can be reduced

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