



Student Information Management System

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ABSTRACT

Our college stores student data digitally for secure and easy access. However, the data is saved distributed and in various formats. As the number of students increased, it became a challenge to maintain it. This is the situation also causes data manipulation in different situations where students have to fill in the same information make the data consistent and inconsistent. We aim to build a web application that will be a cluster All information provided by students can be collected in one place and grouped for display different types of users according to what they need to know. This application allows students to easily update any information to help college officials easily access selected student information. Because it's a server side company. This application is designed for desktop browsers, mobile support native browser and mobile application. Using a microservice architecture and ReST (Representational State Transfer) architecture simplifies design and development.

Keywords: component, formatting, style, styling.

1. INTRODUCTION

Every college has an administrative system that needs to keep some records of its students. As the college grew, so did the numbers students also increased and the content related to students increased. Data is expected to be collected on a daily basis student information management system to improve management efficiency and productivity. The Internet has become a part of people's daily lives around the world. People do different things on the Internet; one they store their data in the database of interest. It can send queries on this database and get what it needs information. Student Information System software is needed to manage student information that helps provide the necessary information time efficiency, making all this information available in an online interface. Any institution has several administrative departments to control college information and student databases. That's all The department provides various records related to students. Most of these records should contain information about students.

This information may be general information such as student name, address, performance, attendance, or specific related information such as collecting data. All modules in the College of Management are interrelated. Maintained manually. So It should be automated and centralized, as information from one module will be needed from another module to share course content and track student progress. Adaptable curriculum design changing school needs is necessary. The Course management system authorities will be able to do more with limited resources. Create and song class work, assignments and test papers Environment to support graduate goals. Tracking teacher development and evaluating effectiveness teacher's work is important. There may be a teacher's speech based on student feedback. Automatic assessment process helps students improve their learning skills, success and achievement.

2. LITERATURE SURVEY

There are many educational institutions in India. But very little They modernize the institution and use software to manage it work day after day. Cities like Bengaluru have around 1,000 schools, over 300 academies and pre-university degrees higher education. Many of these institutions are still operating traditional management style that includes paper work, hard work. Students admitted to the institution must depend on the traditional way of managing things hard struggle to get certificates or other documents. Also, the administration is having trouble keeping up with everything records, track records, and extract records time interest. And the administration of the institution need to hire some employees to maintain records are needed to manage and maintain day-to-day operations. Some universities like PESIT and Christ University Bengaluru has its own web application to solve this problem problem mentioned earlier. This is a web application used by others The institution has the following characteristics and functions such as, Login / Register, Dashboard, View Results, Participate, courses, schedules, assignments and student progress; upload / download documents and notifications.

3. OBJECTIVE

- Keep all your important information in one place

- Give teachers a chance to know how students are doing in college.
- Provide students with automatic generation of an IEN number upon confirmation of admission.
- Get selected data about students in Excel format.
- Automate student fee receipts, mark sheets and college ID cards.
- Ensure uninterrupted access to relevant information for relevant college administrators.

4. METHODOLOGY

The waterfall model is a sequential design approach used in software development. Development is described as a flow Consecutively (like a waterfall) through the stages of concept, initiation, analysis, design, construction, testing. Production / implementation and maintenance.

The Classic Waterfall Development Model

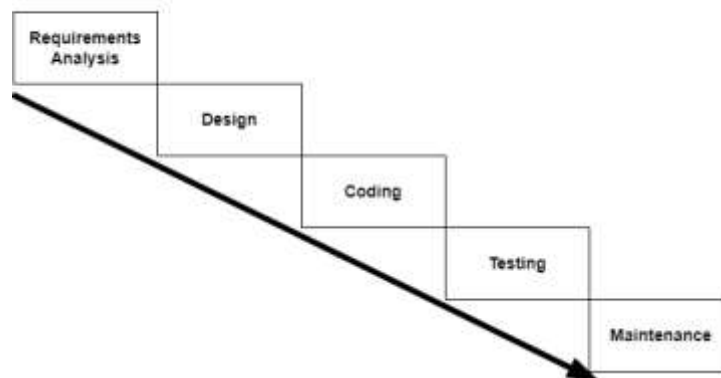


Fig4.1. Figure of waterfall model.

The waterfall growth model begins in the manufacturing and construction sectors: highly structured physically if not possible, after-the-fact changes are expensive. As official software is not developed process existed at that time, this is a hardware-oriented model for software development. We use this model as if we had specific, clean, and specific requirements; therefore, it is ideal for developing our software. Our project definition is stable. This model is straightforward and painless to understand and use as in stages it is processed and completed once and the phases do not overlap. The waterfall model works well for development projects the sequence is well understood.

5. CATEGORY OF USER

5.1 STUDENT

In this service, students can see them participation, progress reports, results, send requests to whoever you want View required documents, notices, schedule, view and submit assignments. Students can answer teacher's class presentation.

5.2 ADMIN

In this service, the administrator can add, change and crash course. Also, admin can add, update and explain certain teaching topics. TEACHERS Custodians and students can only view the courses they have joined admin.

5.3. ADMISSION INCHARGE

In this service, the administrator has access to all source. Admin can broadcast notifications via email, SMS and push messages. Also, admin can add, update and breach student, custodian and staff information.

5.4. FACULTY

This service can be viewed by employees (teachers). details about students under tutelage. TEACHERS will be able to report and evaluate the results of student work student performance. Teachers can upload tasks and checking tasks.

5.5. PLACEMENT

The placement module manages all the placement offers offered by the college by managing related information like company name, company description, last date of application for company coming for recruitment. It collects everything internship and placement information for students and alumni.

6. RESULT

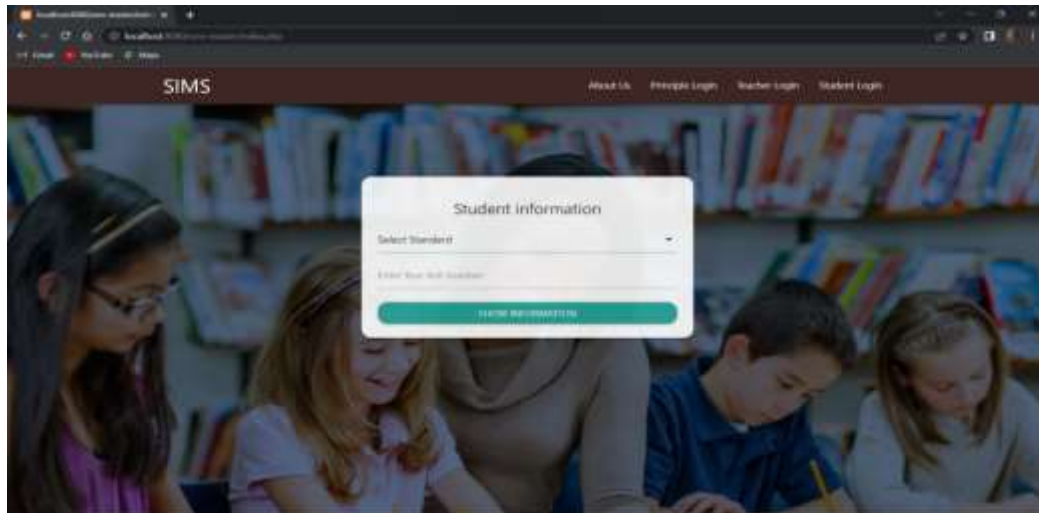


Fig 6.1. STUDENT LOGIN PAGE

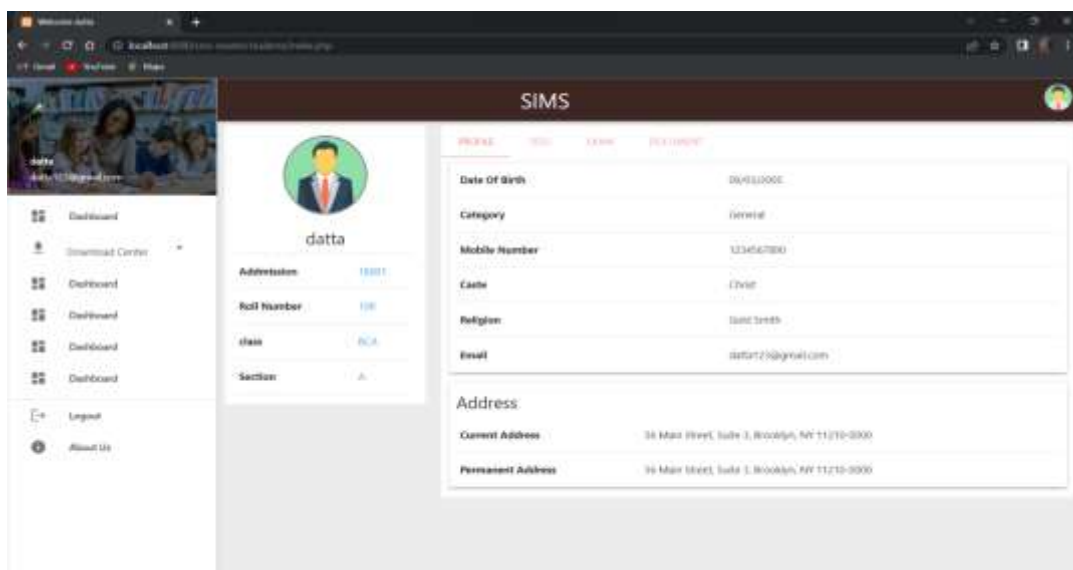


Fig.6.2. STUDENT DASHBORD

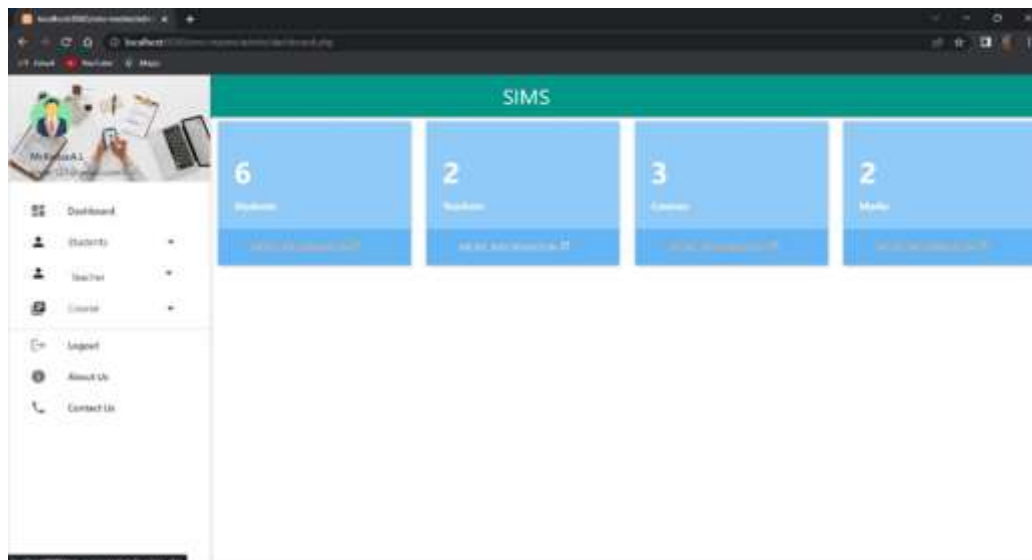


Fig.6.3. PRINCIPAL DASHBORD

7. CONCLUSION

Student management systems can be used by colleges to maintain student records and provide accurate information easily. Can be monitored and controlled remotely. All information collected can be stored and accessed at any time. Information students live in one place. It is useful to have all student information in one place; from students enrolled through department to students who pay internship information. Therefore, the SMS system will help the universities quality student information. The system will help you prepare multiple student reports and manage student data better until admission apathetic

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