

Student Management System

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ABSTRACT

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Student Management System deals with all kind of student, academic related course. curriculum, batch timetable and other resource related details. Student Management System is based on two applications i.e... Android application and web application. Student application comes under the android application. The administrator, faculty and incharge application comes under the web application Student application includes subject. personnel, attendance, exam and fee details Our system has two types of accessing modes ie user and administrator. In case of manual system they need a lot of time, manpower and less security. Here almost all work is computerized and maintaining backup is very easy. The accuracy is maintained.

Keywords : Android Application, Student Management System

I. INTRODUCTION

The Student Management System, make the work simple and provide the user-friendly access by this program to all the students and staff members of the institute. It reduces the data redundancy and maintain all the records. This idea helps the college to maintain the records of students course fees and attendance. This new system will replace entire manual task with computer based system. This system provides user login computer based student management system that consists of unique ID's that help to search faster and easy manner.

OBJECTIVE:

- The main purpose of the student management system is to provide student information, like, Student results, Timetable, Exam details, Event details, Placement.
- Increasing the efficiency of college record.
- Decrease time spent on non-value added tasks.
- To make the system more secure.

II. EXISTING SYSTEM

All the details of the student are maintained in a single record. So searching and upgrading the details is a tedious task. Also there is a chance of error. The

content is not well organized and hence difficult to understand. A lot of searching is required. Students from one class are able to view and edit forums of some other class, which can result in ambiguity of displayed information and create confusion.

DRAWBACKS:

- This does not allow efficient data management and retrieval process .
- A student willing to get information about others has to approach the college and obtain the details.
- Often the information may not be available and misleading.

III. PROPOSED SYSTEM

The proposed system will keep the information on a central server while allowing users to access that information from their own Smartphone through the installed android application. The objective of the design of a new system is to automate the current procedure of managing and controlling the information about the student details and to reduce the overhead of managing paper documents for every announcement and notices being made. Alerts are to be send to all the students in the college. In this admin can also share the file suppose assignment so the file will be uploaded on in respective format. Students can view details of schedules for various events. This will help students keep better track of extracurricular activities and events. If the student wants to post a query to the professor then they can send the MSG to professor and professor can reply to that message by posting a comment to that particular student. The students could get all the information of which all books and latest magazines are available in college library. Students can check and view their academic results .

ADVANTAGES:

- It is very fast and clever.
- No need more user admin, always extra manual effort.
- Not easy for data loss.
- Approaching students to learn the requirements of the school.
- Short time to knowledge and learning to use operate the system.
- It needs a less number of used hardware device.
- Recently about the relationship between teacher and student lesson topic.
- Need short time to find any student information.
- No need for more time. o Easy to update any data.

IV. LITERATURE SURVEY

Changes in Information Technology (IT) allow schools to utilize databases and applications thus, making the accessing of records centralized. One of the changes that came about is the online-based applications. These applications are an improvisation to the traditional- transaction processing systems. Thus, most universities switch to the online system because of its efficiency to acquire process, store and retrieve information from the Internet.

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This paper deals with the development of an application in smart phones which deals with automatically The Student Management System (SMS) would be a new way of record management and transaction processing that would achieve efficiency on processing student information. It would be a great help to the administrative personnel. There are no satisfactory solutions for achieving student information. Due its continuous evaluation process. This has led the researches for it. Challenges that

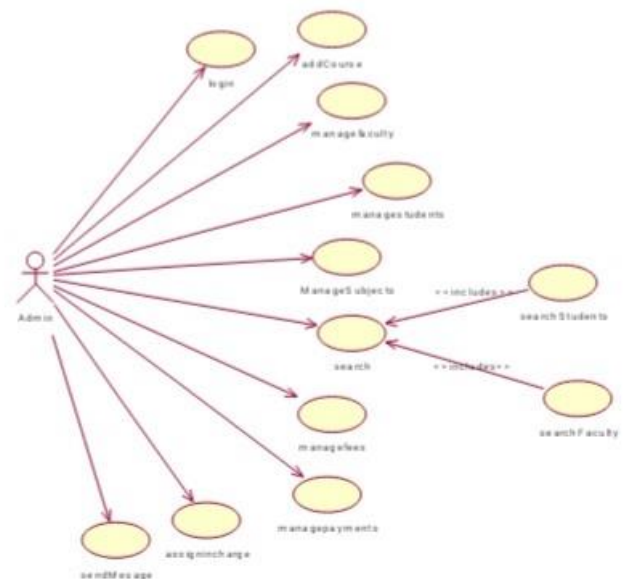
need to be considered prominently are difficult in implementation of student information system. All researchers have aimed to develop and provide a generalized solution to monitor the various works that are carried out by a College for automation of various tasks. They provide up to date information of the system which improved efficiency of college record management and decrease the space between student and college. The major contributions to this topic are summarized below: It is discussed in , a mobile solution for those students who are registered with senior design project capstone course of bachelor engineering technology program. During the process of registration, the student likes to choose those projects supervisors who are flexible and committed to them for successful completion of their project at the end of the semester. It is observed in , student Information system manages all sorts of student details, academic related reports, college details, fee details, results, batch details, attendance details. It tracks all the details of the student from very first moment to the end of the course which would be utilized for all reporting purpose and all these will be available through a secure, online interface embedded in the college's student record management system. It is observed in proposed student information supervision system, that gives path for maintaining of student information and also provides the guidelines for students in different areas, and it also provides the different facilities to the student related to the placement exam section details etc. technologies they used are HTML, CSS, JAVASCRIPT, PHP and SQL. In the authors proposed a system using android operating system and removes all anomalies of existing system, it has various features, e-schools, colleges, attendance information is available 24*7, significantly reduces paper wastage. This mobile application will maintain the student attendance. An attendance system is presented which will greatly reduce the work load, save time for taking attendance at various places like school, colleges. In proposed an application which provides the respective student

details i.e., their internal marks, total number of days they attend the class ,technologies used are android, SQLite, Development tools are eclipse, android SDK. In they proposed Meaning environments M-learning has enhanced the e-learning by making the learning process and exam security in Meaning environments and it provides appropriate security services.

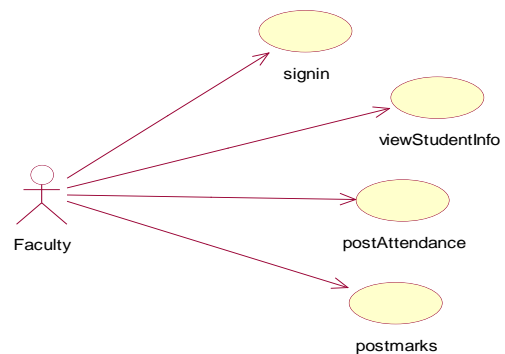
USE CASE DIAGRAM:

A UML diagram is a diagram based on the UML (Unified Modelling Language) with the purpose of **visually representing a system** along with its main actors, roles, actions, artifacts or classes, in order to better understand, alter, maintain, or document information about the system.

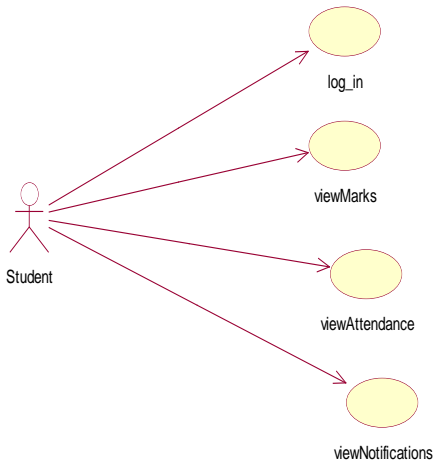
Admin module:



Faculty App:



Student App:

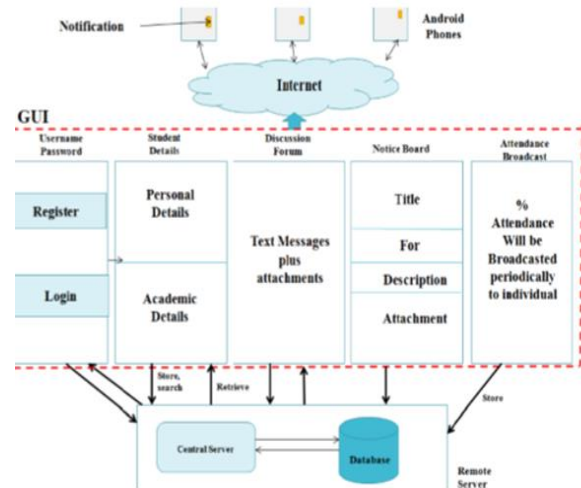


Hardware Requirements:

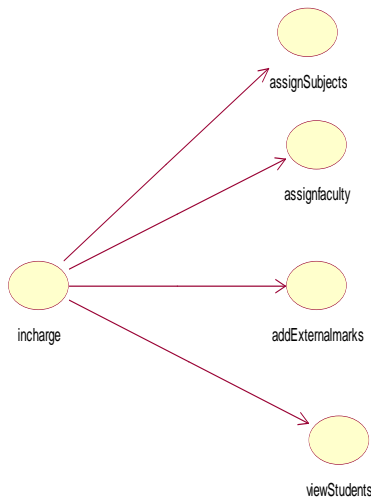
- CPU type : Intel i5,i7
- Ram size : 8 GB
- Hard disk capacity : 1TB
- Monitor : 15 Inch
- Monitor : colourmonitor
- Keyboard type : internet keyboard
- Mobile : Android

BLOCK DIAGRAM:

This block diagrams explains about how the recruitment process can be done through our proposed system



InchargeApp:



SYSTEM REQUIREMENTS:

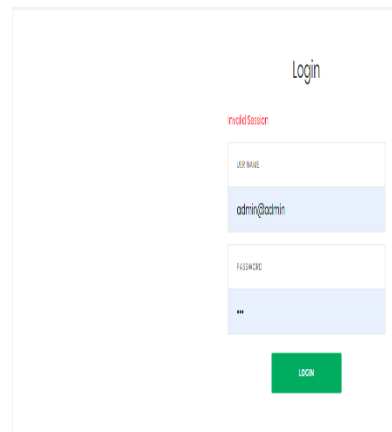
Software Requirements:

Operating System : Windows and

- Android
- SDK Ide : Android Studio 4.2
- Programming Language : Java
- Front End : Xml
- Server scripting Language : PHP
- Database : sql

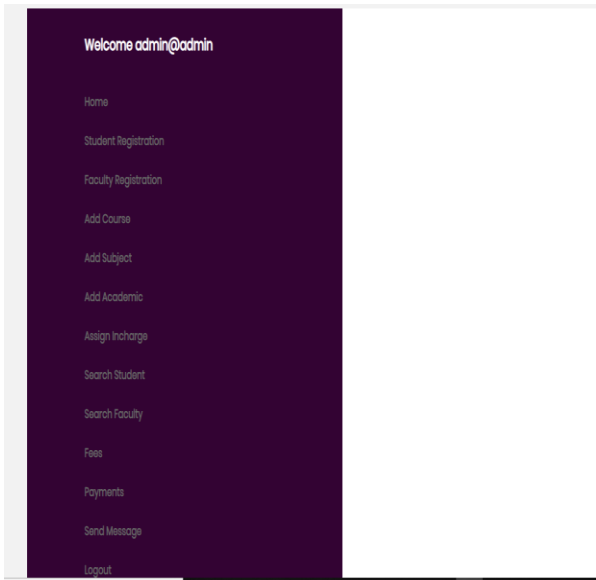
OUTPUT SCREENSHOTS:

Login Screen:



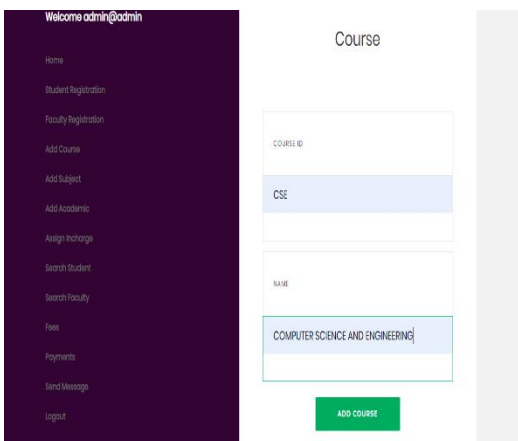
Admin Home Screen:

This is the admin home page and it is a web application through home page he/she provides student registration form, faculty registration form, add course add subject, add academics, assign in charge, search student, fee, payment, send messages.



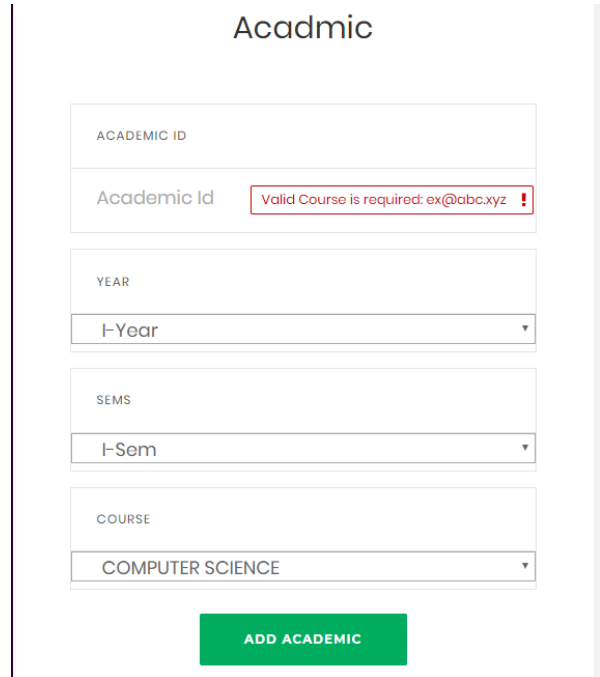
COURSE:

In this application admin can add the courses with respected ids like CSE, ECE, EEE, CIVIL, MECH.



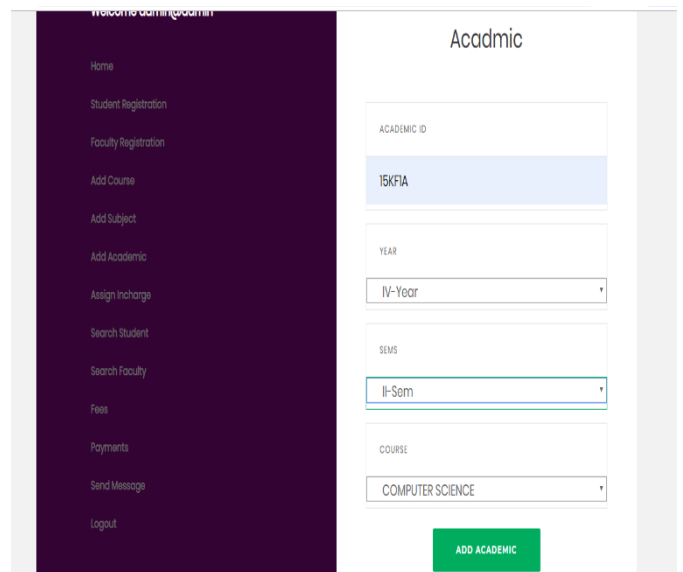
ACADEMICS:

In this application admin can add the academic ids like 17KF1A0, and he can add the year with semester.



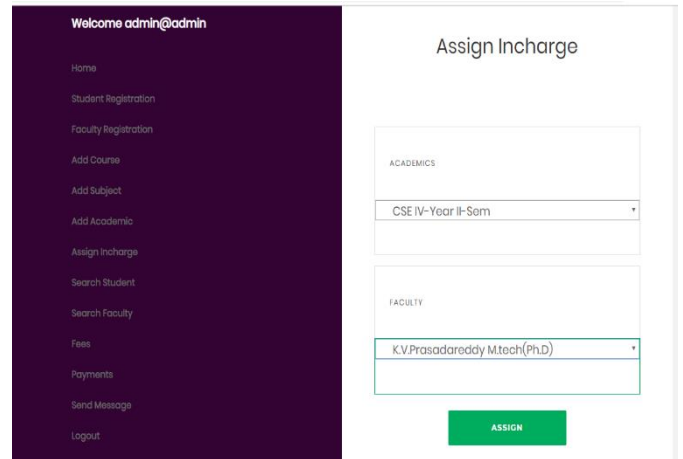
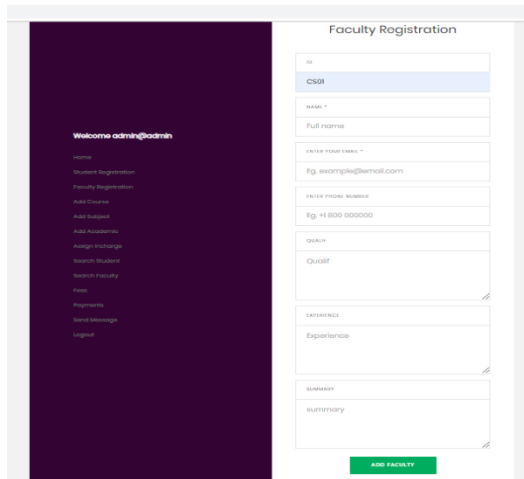
Student Registration:

In this application student can fill his/her roll number, name, email id, phone number, dob And academic details also. Through this detail the student information can be added.



Faculty Registration:

In this application faculty can fill his/her roll number, name, email id, phone number, qualification, experience and summary. Through this detail the faculty information can be added.

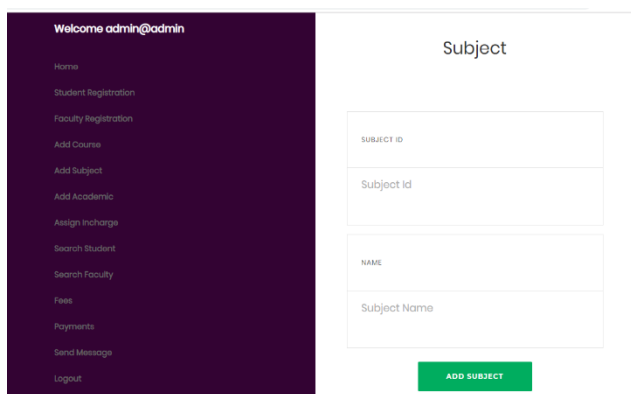


V. CONCLUSION

In this paper, we design tools for Student information management system, and the development, implementation, and database management system for online universities\Schools. We illustrate alternative design techniques and components. We also focus to make a good relationship between teacher and student to make as in the education system, The system provides an effective environment contribute to the follow-up basis of the performance of the students during the school year and helps create an environment in constant communication among students, parents, teachers and school administration / university. The waste of computer resources, workers, and time associated with the existing manual system. This project will provide the student management system serves as a useful approach Database dialog box for the update function, advanced search options to the authorized person and continuing link between each student and discuss any questions and exchanged the ideas of students, it serves as a useful approach for users. It reduces the time it takes a user to add, update, delete, view and search for information. In this paper an efficient method proposed “Android Based Student Information System” for challenging information technology allows colleges to utilize database and applicant such as SMS Student Management System, thus making the accessing records centralized. This proposed system is mainly concentrated and

Subject :

In this application admin can add the subject’s year wise as well as the semester wise and he/she can also add the respected subject id and name and finally he/she can add the subject.



Assign Incharge:

In this application admin can add the subject’s year wise as well as the semester wise and he/she can also add the respected subject id and name and finally he/she can add the subject.

efficiently on student information system for achieving better information to all staff and members involved institutions.

VI. Scope for future enhancement:

The project has a very vast scope in future. The project can be implemented on intranet in future. Project can be updated in near future as and when requirement for the same arises, as it is very flexible in terms of expansion. With the proposed software of database Space Manager ready and fully functional the client is now able to manage and hence run the entire work in a much better, accurate and error free manner. The following are the future scope for the project.

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