

Android application on college ERP

Hardik Patel, Aniket Dhemare, Jayesh Karanjekar, Shravan Kurdekar,
Nayana Vaity.

BE students, Department of Computer Engineering, Terna Engineering College, Nerul, Maharashtra, India.

Abstract

In today's era of Technology mobile has become an integral part of students and teachers so creating a convenient android app which helps students to communicate and learn with the help of staff members to improve their academics and also become the part of their daily routine. Now Introducing a Digitized Learning app which is an android app which will consist similar features as college ERP website or in other words creating vest-pocket android app of college ERP system. It will work as a management app which will be able to manage the student and staff members data and their activity through app admin /college can also circulate notice about some upcoming events and holidays. This app is also useful for students as well as the college faculty member and other academic staff. So that they can conduct their quiz using this app so that student will be able to know about academic's progress. There are many such activities such as Teacher can collect student's attendance through this application. Here individual profile is created for all student where student can directly communicate with teacher solve their doubt as well as discuss about Mini project, research paper and etc.

Introduction

Since few Years, college ERP system has become an integral part of college, it is kind of a web application which integrates all the functionalities of college system on a single system that is handled by one administrative head. Whereas in today's era of Technology mobile has become an

integral part of a human life this project, an aspire has been made to develop College ERP application on android cellular phones. Where only one person is required to maintain the back end of the system. The root cause behind app development is since android is open-source operating system and inclusive of software development kit which provides tools to build and run android applications easily. The main objective to create this android app is as described below

- Provide a reliable and user- friendly interface
- Add mobility and flexibility to the process of managing user data and its information in colleges
- The system is easy to organize, safe with appropriate operations.
- App will make things easier and speed up the result

Existing System

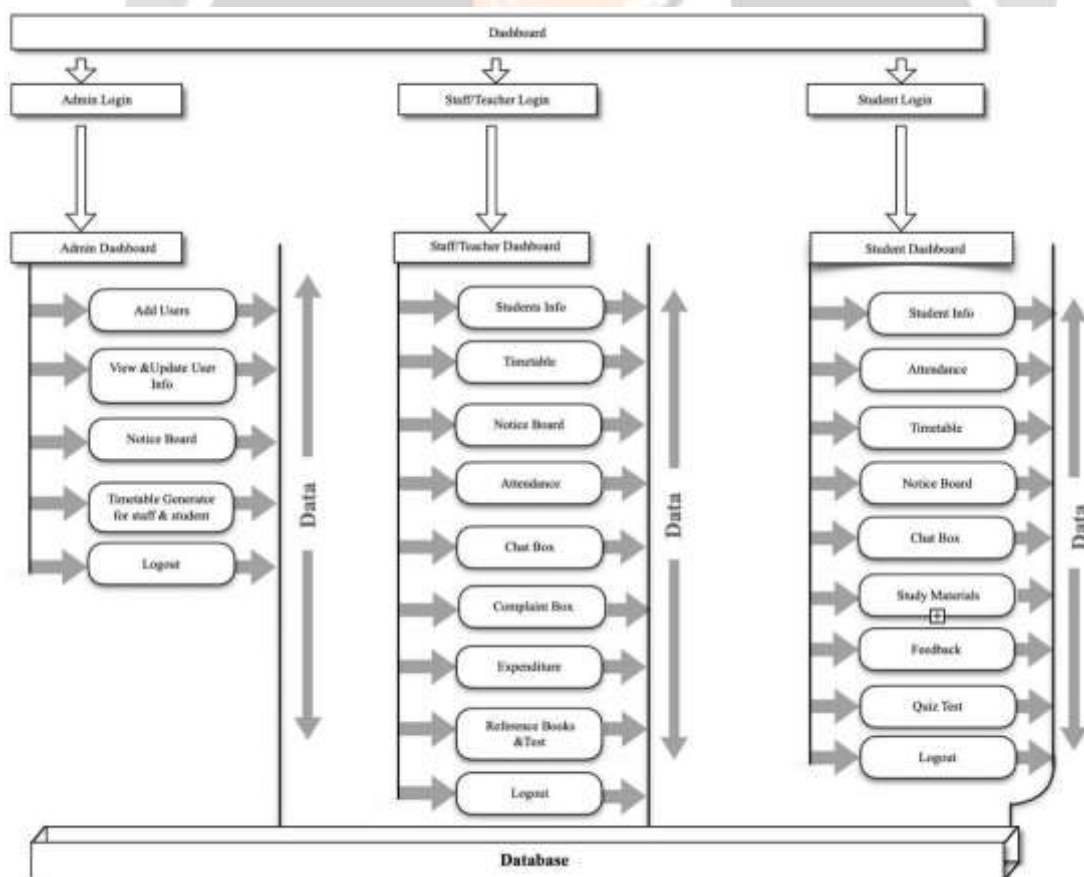
Implementation of enterprise systems within organizations has received much attention in information system and this system has over time resulted in a large body of research studies. One of the reasons for this attention is that enterprise systems, and in particular enterprise resource planning (ERP) systems, represent an important backbone of the business which can control all organizational resources and transactions through one system. ERP systems are well-suited for implementation in every organizations due to their wide range of functionalities and expected benefits, such as efficiency, and better communication.

Proposed System

This system is to provide the platform between the faculties and students where students and faculties can be interacting with each other. The admin in the system has control over the entire system can add or can register students, faculties and do some other related work. The Chat- box provided to have communication between student and faculties where student can clear there any doubts and query. The Students can give quiz through the system so the faculties can get the idea of understanding of student. Also, faculties can take attendance through this which will be instantly. student can ably see fees structure throughout their academics. Faculties can request admin for any expenses such as Lab requirements, arranging seminars and projects. Account's feature provided by admin can keep track on fees status of student and on request from faculties. Hardware and Software Requirement: Software: - • Database: -Firebase 13 Terna Engineering college, Nerul Android Application on “COLLEGE ERP” • Developer: - Android Studio • Programming Language: -Java • Client: - Android Device, Internet Connectivity Hardware: - Developer: • Processor: - Intel corei5 • RAM: -8GB • HARD DISK: -1TB Client: - • Android device • Android version 5.0 or more • 2GBram • 1 GB space for data • Internet connection.

System Architecture

Here every user will have their own features and functionalities depending on which type of user they are. There are 3 different types of login such as Admin, Staff, and Student. Through this below diagram we have mentioned our scope and different features of different user



Advantages

- Mobility and flexibility is added to the method of managing student and their day to day academics activities in institute.
- Accessible to sanctioned user.
- This System is easy to organize, safe with easy convenient operations.
- Clean and simple UI.
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Disadvantage

- Creation and designing the framework architecture of the system can be bit difficult.

Conclusion

1) "College ERP" app is developed for college and has been aimed to achieve supreme productivity and also reduce the time taken to handle the storing activity. It is designed to replace a standing handbook record system.

2) By developing this android application, the administrator can enjoy the task, doing it ease and also by saving the valuable time. The amount of time consumption is reduced and also the manual calculations are omitted. The effective utilization of the work, by proper sharing it and by providing the accurate results. The storage facility will ease the job of the operator. Thus, the system developed will be helpful to the administrator by easing his/her task.

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