RESEARCH ARTICLE

AUTOMATING THE PROCESS OF INFORMATION PASSING IN AN INSTITUTION USING ANDROID APPLICATION

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ABSTRACT

This includes college or information and other details like departments, students, infrastructure information. More details can be added as per the requirements of that institution. This application provides logins to the staff based on their User Levels and Ranks to access the information about students, events, payrolls, leave and academics calendar etc and to perform few actions like create new, edit, follow-ups, closing, reporting etc. Application takes care of all the security issues so that only the authorize logins and even only the computers can access the relevant information. This application mainly uses an intranet network of educational and coaching campuses with live update to connecting portal. The core part of this system is to make work smoothen and paperless. All the routine functionality of educational and organizational campus is included in this system. This application provides login option to the different users according to their permissions. Some users can login and update the information while other users can just view the informations. Application takes care of all the security issues so that only the authorize logins and even only the computers can access the relevant information.

Key words: Android, Automation, Logins, Relevant, Security, Synchronization

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INTRODUCTION

In the modern world of technology, the use of Internet and World Wide Web has changed and evolved the provision of information and the facility for the user to take action on the information accessed. And also, computers and mobile devices are affecting our lives in more ways than we probably are aware of, maintaining information of an educational institutes, colleges, other the list is endless. If management wants necessary information he checks the information about a student, staff, worker etc. It is difficult to do all these things manually and make sure that we didn't committed any mistake.

Scope

The SMART CAMPUS is a mobile as well as web application. It uses smart phones of android platform and web services on computer systems. The main objective is to develop an application that provides a smart and easy way for the execution of several academic operations to provide students with information regarding complaints, any placement activities, general notices, and important notices regarding all departments.

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The application has four types of users: Student, Teachers, H.O.D., and Principal. Each type of user will have own application view respective to their type. They will have privileges according to their designation or

Proposed System

The proposed system for Smart Campus is fully an automated one using Wireless Android. The Smart Campus is a mobile as well as web application. It uses smart phones of android platform and web services on computer systems. The main objective is to develop and to provide students with information regarding complaints, any placement activities, general notices, and important notices regarding all departments. Main aim in developing Smart Campus is to provide an easy way not only to automate all functions of a college, but also to provide reports to higher authority of college with the finest of details about any aspect of college. Smart Campus provides one attractive environment where user can manipulate data and information about students and staff easily. So, we can say the main purpose of designing "Smart Campus" is to manage the task related to the college students/teachers and to reduce time to searching of appropriate information related about college. Smart Campus does not just emphasise on the college but also synchronises the all the departments within the college.

It is a value-added service offered by Smart Campus, which facilitates colleges to maintain the functionality related to college, faculties and their students. With the advancement of technology, paperwork is being

IMPLEMENTATION

- Install and run application on your mobile via debugger and login or register.
- You will get this dashboard after you had login.

Click the button if you want to view it.
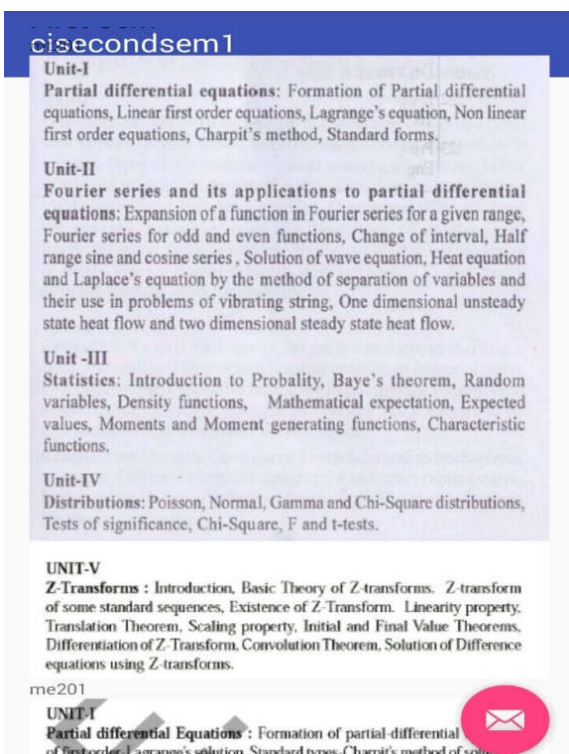

Fig 1. Dashboard

- After you click syllabus.

Fig. 2 Syllabus

- After you click time table

Fig 3. Time Table

- After you click notices.

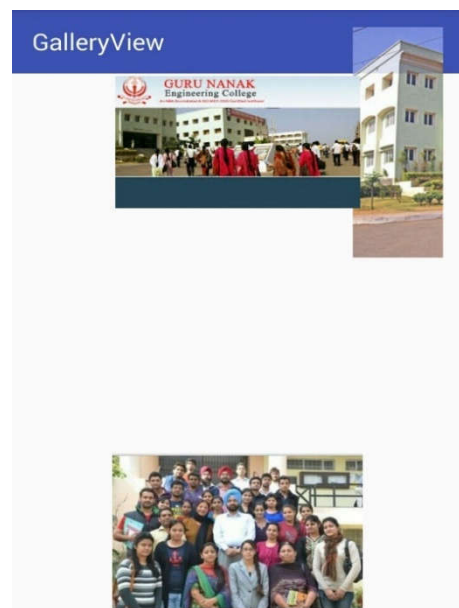**Fig. 4. Notices**

- After you click gallery.

Fig 5. Gallery
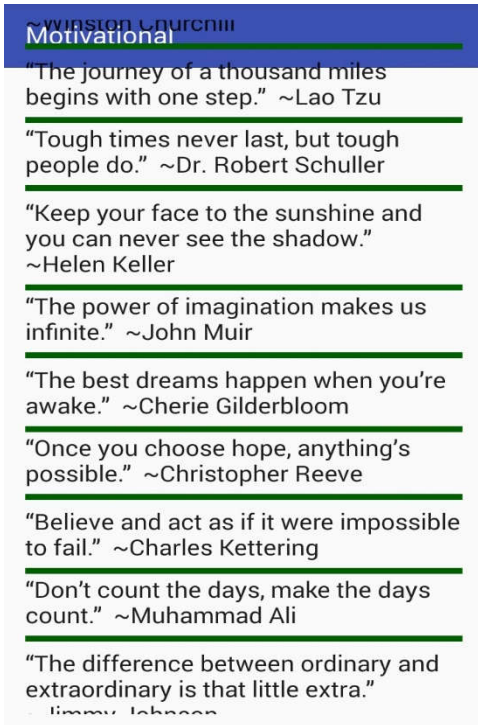
- After you click motivational quotes.

Fig 6. Motivational Quotes

Data Flow Design

The database is maintained and updated by the admin but other users other than HOD can only access these data but cannot make changes in it. Permissions can be granted to the users according to convenience, by the admin.
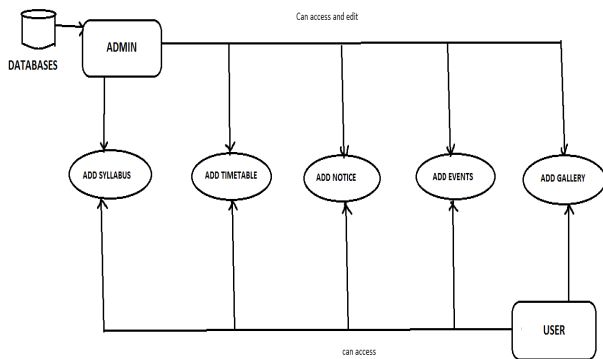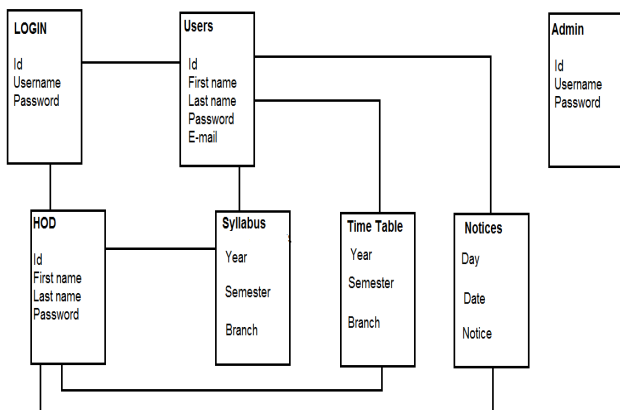

Fig 7. Data flow

Fig 8. Database Design

Conclusion

We learnt how proposed system is better than existing system. It is compatible to everyone; our system reduces the physical human efforts. Through proposed system the standard will maintain the particular security and also provides features those are not included in existing system. Proposed system provides a way to maintain records. It provides easy way for interaction between students and all college faculties. Student will improve their interaction skills by using our proposed system. Proposed system will also help the college to manage their records an save natural resources and job gets done in less time compared to existing system.

All the users get the information without delays because of real time use of proposed system. It helps to reach to every student and faculties in the college in very less time. The data which is stored on database will helps the management to take major decisions on the suggestion and ideas. Proposed system will also help to students to get their queries solved by the answers of other users such as fellow students and respected faculties of the college. Since there will be many users on system we planned to make it secure and spam free using various algorithms.

Future Enhancement

It helps to reach to every student and faculties in the college in very less time. The data which is stored on database will helps the management to take major decisions on the suggestion and ideas. Proposed system will also help to students to get their queries solved by the answers of other users such as fellow students and respected faculties of the college. Since there will be many users on system we planned to make it secure and spam free using various algorithms. We can also integrate the attendance system of teachers and students in this application.

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