E-ACADEMIC WALLET FOR STUDENTS APPLICATION

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Abstract - *E-academic wallet for student application system is an android application which is helpful for students as well as the colleges. In the existing system all the activities are done manually and also convert traditional notice board to android based notice board. It is very costly and time consuming. In our proposed system, students can view results using Android phones. The faculty can login into their college account through the app itself and update the academic result. Specifically this application designed to communicate and to notify the update from the college. It acts as a overview about college, overview about departments, gallery, department organization can be invite or make publicity to news and events, all department time tables are visible and then notes, Anna university result updates are got through notification. This android app contains location of our college. This android app provides to access and send leave letter through online. Internal marks and Anna university update are directly notify to parents mobile. Frequent information published by Anna University also notify to students. This project includes major activity entities: add notices and other information like placement information which are handled by Admin. The Admin can add, delete, and update them simultaneously on through this online system. These can then be viewed by the students as well as parents. Admin can be either college management or faculty.*

*Key Words***: Android device, Online System, Admin, Traditional notice board, Activity, Results, Notification.**

1. INTRODUCTION

The websites are vanishing and the mobile phones are emerging. The design and implementation of the system is to provide service in institute and colleges. The system decreases paperwork and time needed to access student records. In the previous system, all the information has to view in a hard file, or in website. At the same time while searching any information it is too difficult to access and takes a lot of time to search the particular website. In the existing system all the activities are done manually and also convert traditional notice board to android based notice board. Traditional notice board required lots of paper work and also wastage of papers. In a real world scenario, such as college campus, the information is in the form of notice, hand-written manual, verbal message, is being spread among the students. Hence in order to overcome this problem a smart phone based application using Android can be used to make this process easier, secure and less error prone. It is time to change from conventional website to apps and also from conventional notice board to apps and which has become the part of our daily routine. We are introducing "E-ACADEMIC WALLET FOR STUDENT APPLICATION" for our college which would be a miniature of our college website. Our multipurpose programs are considering the user as faculty and student. It gives us more comfort and a better user interface.

Specifically this application designed to communicate and to notify the update from the college. It acts as a overview about college, overview about departments, gallery, department organization can be invite or make publicity to news and events, all department time tables are visible and then notes ,tutorials, exam date, exam timetable hall allotment, Anna university result updates are got through notification. This android app contains location of our college. This android app provides to access and send leave letter through online. Internal marks and Anna university result are directly notify to parents mobile. Frequent information published by Anna University also notify to students. This project includes major activity entities: add notices and other information like placement information which are handled by Admin. The Admin can add, delete, and update them simultaneously on through this online system. These can then be viewed by the students as well as parents. Admin can be either college management or faculty. It can also be useful in an organization at a certain limit not the whole application.

2. SCOPE

This android application will be substitute for the official website of our college. This application will be designed to maximize the ease of use of official website of our college in mobile view. Specifically the application is designed to communicate and to notify the updates from the college. The system contains a relational database containing a list of users. The applications will facilities communication between students and faculty via database. Application forms for different college activities are provided from the application. Also include other facility like leave letter and timetable. This system is useful for accessing notice on android device. It informs students about the activities and various events related to their college. Student does not need to visit the notice board every time. More efficient information will be achieved through this system .To provide access to information related to college, departments,

uploaded assignment , notes, news and events ,exams, discussion forum and daily time table on the go.

3. LITERATURE SURVEY

3.1 Mobile Web Based Android Application for College Management System

Authors: A.J.Kadam, Aradhana Singh, Komal Jagtap, Srujana Tankala

This paper discuss about college management system [1] for college based on android devices. On the basics of a comprehensive investigation and analysis on the college management system, we establish the models for our college including some more features. This paper does not include some feature like internal mark notification and Anna University updates. These features are included in our project. This paper concluded that the propose system will not only aid the automation to the college ,but will also help to digitize the system and in turn help to deploy resources efficiently.

3.2 Android Based College Notification System

Authors: adhav Komal, Sayyad Sana, Shinde Swapnali and Bhaldar Jasmin , Prof. Mahind R. N

This paper discuss about college notification system [2] based on android devices. On the basics of comprehensive investigation and analysis on the college notification system, we establish these models for our projects with more important notices. Some of notification features added in our project is Anna university updates, internal marks, notes and placement information notifications that will be notify to users through android devices anytime and anywhere. This paper uses to eliminate or reduce the human interaction so as to avoid mistakes in the database. It is now implement notification system for students as well as teachers. Student can get notice on its own android device and teacher can get their meetings and extra additional notices from HOD to Principal on its android device. This scheme is good compatibility, easy to use, suitable for application on Android platform.

3.3 Android College Management System

Authors: Vishwakarma R Ganesh

This paper discusses college management system [3] for college based on android devices. This paper proposed that it is a simple yet powerful integrated platform that connects the various entities of the institution, namely Administration, Staff, Students and other specialized modules. It is a handy application that can be used by the students, staff and the administrator to facilitate communication. The application introduces portability as it is used on a mobile device and can be carried anywhere. Since the application is used on a

mobile device with Android OS. Direct access, here, means that the students can download assignments or they can put up queries and the staff can upload assignments or answer queries irrespective of where they are at a given time. The application provides a portal to them that can be used in a very efficient manner to facilitate communication, improve connectivity and provide transparency. This paper also include feature like students can view the result by login with their appropriate login. The application will greatly simplify and speed up the result preparation and management process. It includes advertisement of the college thus satisfying the marketing criteria to showcase its facilities to the HSC and diploma students. It provides high security and a system that reduces the work and resources required in traditional process. The proposed system provides the new way of computing and displaying an operation with responsive and attractive user-interface.

3.4 Android Application for College Website

Authors: S. Sangeethaa, G. Kirubhakar

This paper discuss about college website [4] based on android devices. This application is designed to manage and handle the operation of an institution. It is a handy application that can be used by the all users to facilitate communication. The application introduces portability as it is used on a mobile device and can be carried anywhere. Since the application is used on a mobile device with Android OS, it improves connectivity between the all users, thus helping the institution to provide a more transparent system altogether. It is a useful tool that can be used by all the members from anywhere, at anytime on an Android mobile device. They convert website into mobile based application but it does not include any notification information. They concluded that the application is portable and can be easily installed and used on any mobile phones supporting Android OS. The use of this application in a mobile can result in a reduction of number of hours spent than in PC. It also provides an interface which is easy to understand by the users and greatly helps in adapting to the use of this application. An Android based mobile application for college offers reliability, time savings and easy control. Not only the institution members, but also the other users can also view the college details through this application.

4. EXISTING SYSTEM

4.1 College Website

The college information and notifications are currently viewed through only official website. It is difficult to check any information through website and also any notification can get by accessing the website. Our college does not have time table information for all department classes in website. Timetable is visible only in notice board.

Fig –1: College Website

4.2 Notice Board

Currently our college has mutual system of putting notices on notice board. It's outdated now. As nobody has a time to stand in order to read the notices on notice board. Each Time tables are visible in their own department notice board. It is very difficult for student as well as faculty to view timetable in notice board.

Fig -2: Traditional notice board

4.3 Survey About Other Existing College Apps

The following colleges have published college app in play store, this apps contain information about college, books details, and as well as notification but it does not include leave letter facility, internal mark notifications, Anna university update.

1. Sree Sowdambika College Of Engineering.
2. Bharath University.
3. Vv College Of Engineering.
4. Paavai Institutions.
5. Muthayammal Engineering College.
6. Sona College Of Technology.
7. National Engineering College, Kovilpatti.
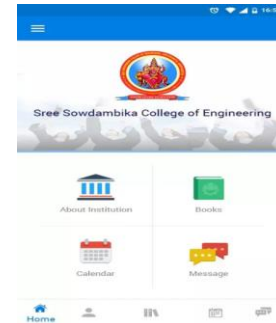8. Sri Balaji Polytechnic College.

Fig -3: Sree Sowdambika College Of Engineering College Application.

5. DRAWBACKS OF EXISTING SYSTEM

5.1 Leave Letter

Currently our college does not have any facility like applying leave letter through online in website. It also faces difficult in nowadays.

5.2 Internal Mark

Our college have report card to maintain all internal marks as well as university marks for each students. It's not sure that all students show their report card to parents. Don't have facility of sending internal mark directly to parents.

5.3 Anna university update

Our college website does not include any frequent information published by Anna University. Students face difficult to get information updated from Anna University like result date, exam starting, last working day, next semester starting date, exam postponed information etc.

6. PROPOSED SYSTEM

In our proposed system we have the provision for adding the information about college, departments, news and events, location etc. So the overhead for students and faculty is become less. Specifically this application designed to communicate and to notify the update from the college. Our application also has advantage of having timetable information. Timetable contains timetables for all departments. This facility is useful for both faculty and students. Another advantage is notification. Notification used to notify directly to student and parents. Notification contain information like internal marks, exam information, placement information, Anna university updates, notes sent from faculty to students directly without accessing the website i.e. through email.

Our application designed to notify the internal mark directly to parent's mobile, parents can view this notification by login into notification button. So that notified data can be easily removed when it found unnecessary or it is contain any

mistake. Another advantages is leave letter can be sent to faculty or management through this. Leave letter button can be access by parents or students and faculty. This leave letter facility avoid using paper and also conformation of leave letter by parents through this without calling to the parents and get conform .This will be very useful for students as well as faculty. This project includes major activity entities: add notices and other information like placement information which are handled by Admin. The Admin can add, delete, and update them simultaneously on the online system. These can then be viewed by the students as well as parents. Admin can be either college management or faculty.
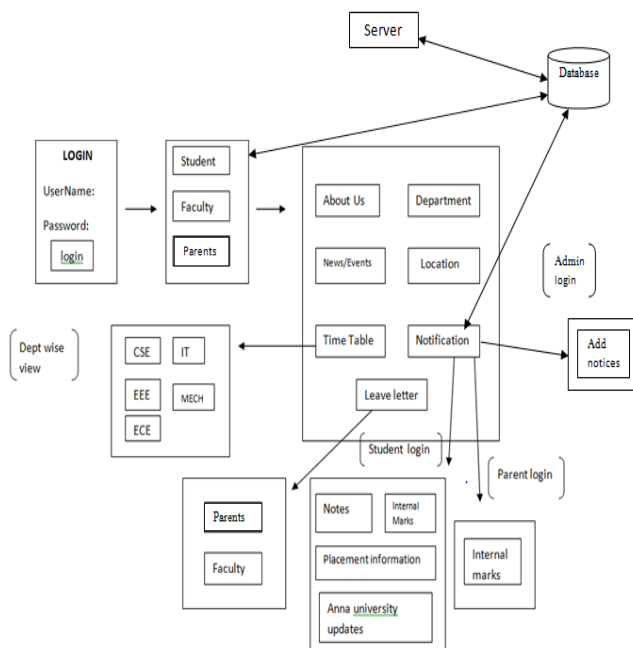

Fig -4: Proposed System Architecture

7. MODULES

The application is divided into 5 modules

7.1 Module 1

In the module first process is login. In the login process the user can input his/her unique username and password if he / she have already got an account. Thus the user can login to his/her allocated username and password. The signed in users can access the college information, leave letter, timetable, notification and news and events of the college.

7.2 Module 2

Also users can get an overview about college. They can get in overview of the college by accessing information about the college, location, department, gallery, facilities etc. Other features like notification, timetable, leave letter can also access through android devices.

7.3 Module 3

Signed in users access the timetable. This page contain time table for each departments.

7.5 Module 4

Leave letter facility can accessed by parents. Signed in parents fill the leave letter through this android device

7.6 Module 5

Notification contains two login student login, parent login. Student login can views notes, internal marks, placement information, Anna university updates. Parent login can view internal marks of their children.

8. WORKFLOW

The application is divided into 3 sub-groups-

8.1 Admin /faculty

After the admin login he or she can now view main page where there are option to about view college, department, location, news and events and send notification. Notification can send to either students or their corresponding parents. Faculty can send leave letter through this android device.

8.2 Parents

After the parents login he or she can now view main page where there are option to view college, department, location, news and events and notification which is sent by admin. Parents view their corresponding children internal mark through this android device. Also parent can send leave letter through this device.

8.3 Students

After the student login he or she can view main page where there are option to view college, department, location, news and events and notification which is sent by admin. Notification contains information like notes, placement information, internal mark derails, Anna University updates.

9. REQUIREMENT ANALYSIS

9.1 Hardware Interface

Processor: 64bit Intel Pentium Iv processor

RAM: 8 GB

Hard Disk: 80GB

9.2 Software Interface

Client side

Platform: Android Studio – 2.3.3

Server side

Database: My SQL database

Server: tomcat

10. BENEFITS OF PROPOSED SYSTEM

1. It overcomes the limitations of the web based system as our proposed system is developed on Android OS.

2. As the current system is manual it does not require any sophisticated training for the User of the system.

3. This project will cater facilities to all the existing versions of android devices.

4. Students do not have to visit the college notice board every time.

5. Students can get frequent updates of Anna university information through notification.

6. Parents can send leave letter using android OS and also view their children internal mark through this.

11. CONCLUSION

An Android based mobile application for e-academic wallet for students application is presented. The application offers reliability, time savings and easy control. Students and their parents will also view internal marks through this application. Also students can view details, notifications anywhere and anytime. It has reduced a lot of manual work. It provides high security and a system that reduces the work and resources required in traditional process. The proposed system provides the new way of computing and displaying an operation with responsive and attractive user-interface. The application has been implemented and tested on real devices.

12. REFERENCES

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