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Android based information in campus environment

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Abstract: ***The Android based mobile campus is used to provide facility to students just like information regarding library due dates any placement activities, general notices, attendance and marks details. This information should be provided to students in a cost effective way. Students can access this information using their Android enabled mobiles. The mode of communication is android. An Android application provides interaction between people. One of the most widely used mobile operating system these days is Android. These applications make life more comfortable and advanced for the users. Students need not queue up near notice board /log on to college website for any of the above mentioned details. Student is anywhere can gain the information easily and quickly, so it is time saving.***

Keywords: Android, Information system, Mobile campus, Operating system.

I. INTRODUCTION

India has the fastest growing telecom network in the world with many users moving towards smart phones and majority by students. Other than India all over the world has boom in mobile with many applications that are useful in day today life such as games apps, video calls, photograph apps, shopping apps, easy search options etc. We introduce a novel approach to share information via an Android application between students and lecturers in order to enhance quality of information in campus environment. We describe a network for distributing campus information among lecturers and students. The idea is to enable the user to find and access all information that is of relevance to him. All he needs is a smart phone which enables the execution of an android application . All used techniques are in themselves not new or unique, but the combination of instant messaging. On top of that, the system based on a platform made purely for research is in the stage of evolving into a product and is even now being utilized as a public service on-campus. Altogether we find a situation on campus, where students use their mobile device for learning and interacting. Android is a reliable software development kit issued by Google in order to provide developers with a comprehensive set of tools for building android applications. The information which we get from our mobile in a cost effective way & student can get information easily & quickly. So, it is time saving through this service one can access the complete information about the college campus such as courses available, admission procedure, placements, college events, achievements etc.

II. LITURATURE SURWAY

A. Android based information in college campus

In this proposed system providing the information between students and lecturers in order to enhance quality of information in campus environment. In this system describe a mobile application for distributing campus information among students. The concept of developing campus information is to ensure that student can access information at any time, at any locations which is of interest and relevant to them.

B. Evernote

The ultimate note-taking app, evernote is perfect for students. You can digitize and search notes you took on paper. Its fully cross-platform, with an app for every device and an extension for every browser. And its incredibly powerful.

III. PROPOSED SYSTEM

In our proposed system providing the information between students and lecturers in order to enhance quality of information in campus environment. We describe a mobile application for distributing campus information among students. The concept of developing campus information is to ensure that student can access information at any time, at any locations which is of interest and relevant to them.

A. Alerts/Notification: Alerts are to be send to all the students in the college.

B. *File sharing:* In this admin can also share the file suppose assignment so the file will be uploaded on in respective format.

C. *Fest Information:* Student can view details of schedules for various events. This will help students keep better track of extracurricular activities and events.

D. *Post Request:* If the student wants to post a query to the professor then they can send the alert to professor and professor

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can reply to that alert by posting a comment to that particular student.

E. *Library Information:* The student could get all the information of which all books and latest magazines are available in college library.

F. *Check Result:* Students can check and view their academic results.

III. IMPLEMENTATION

The requirement is collected by use-case through which it was decided what objects and functionality should be given to administrator, such as Login, Add/Update Student, Send Alert/Update, Post Event, Query posting, and Add Resources. Then decided the functionality should be given to Administrator, such as Login, Add/Update Student, Send Alert/Update, Post Event, Query Posting, and Add Resources. Then we decided the platform to build this application which is Android, what database will be going to use which is MYSQL DB, which language should be used develop a web based application for administrator which is PHP.

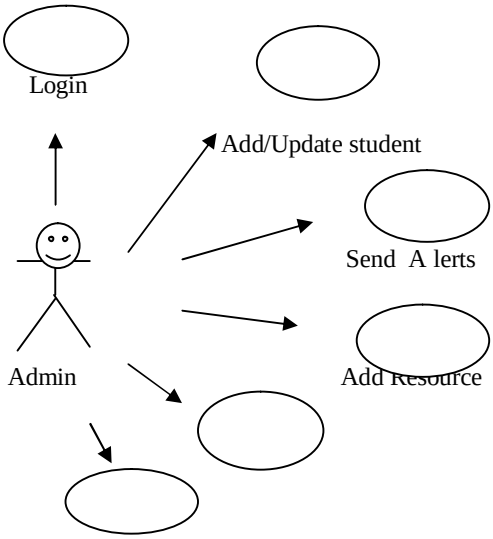
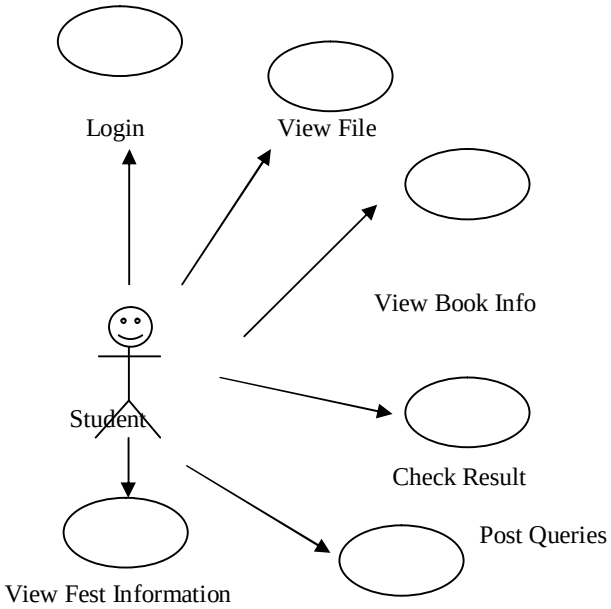


Fig. 1: Use case diagram for admin

After the initial collection of data, different user interface for the application have been developed. This included of login, home screens for user. User has to enter username and password for authentication. Upon successful login the user has to choose amongs the provided functionalities of the application is built using android SDK on Eclipse IDE.



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Fig.2: Use case Diagram for Student

The GUI for the administrator is developed using PHP which serves as the web application. The login panel is been made which allow admin to login in through the user name and password mean while it was decided to build a database on MYSQL database.

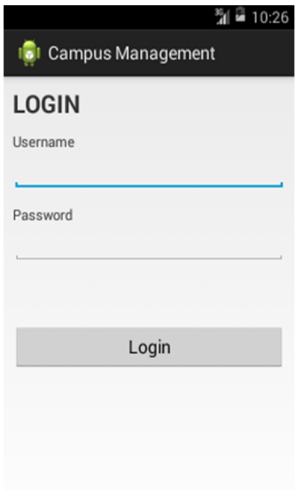


Fig.3: Login page for student

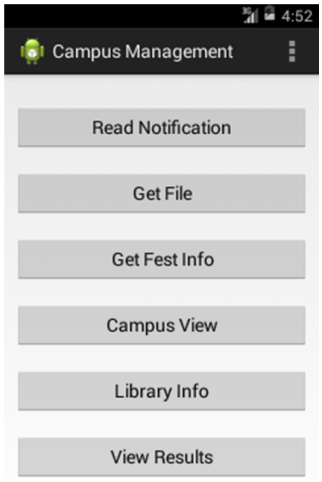


Fig.4: Home page for student

The detail about the directory, events and notices have been maintained at the server side database. Using PHP code the connectivity with the android functionality and database has been established. This information can be updated dynamically with admin access to the database which is secured properly and cannot be accessed without proper credentials.

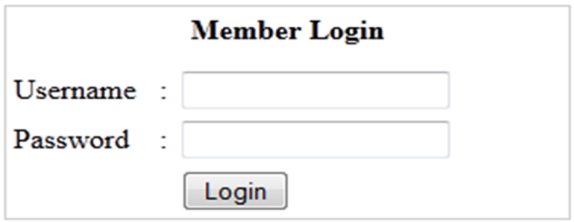


Fig.5: Login page for Admin

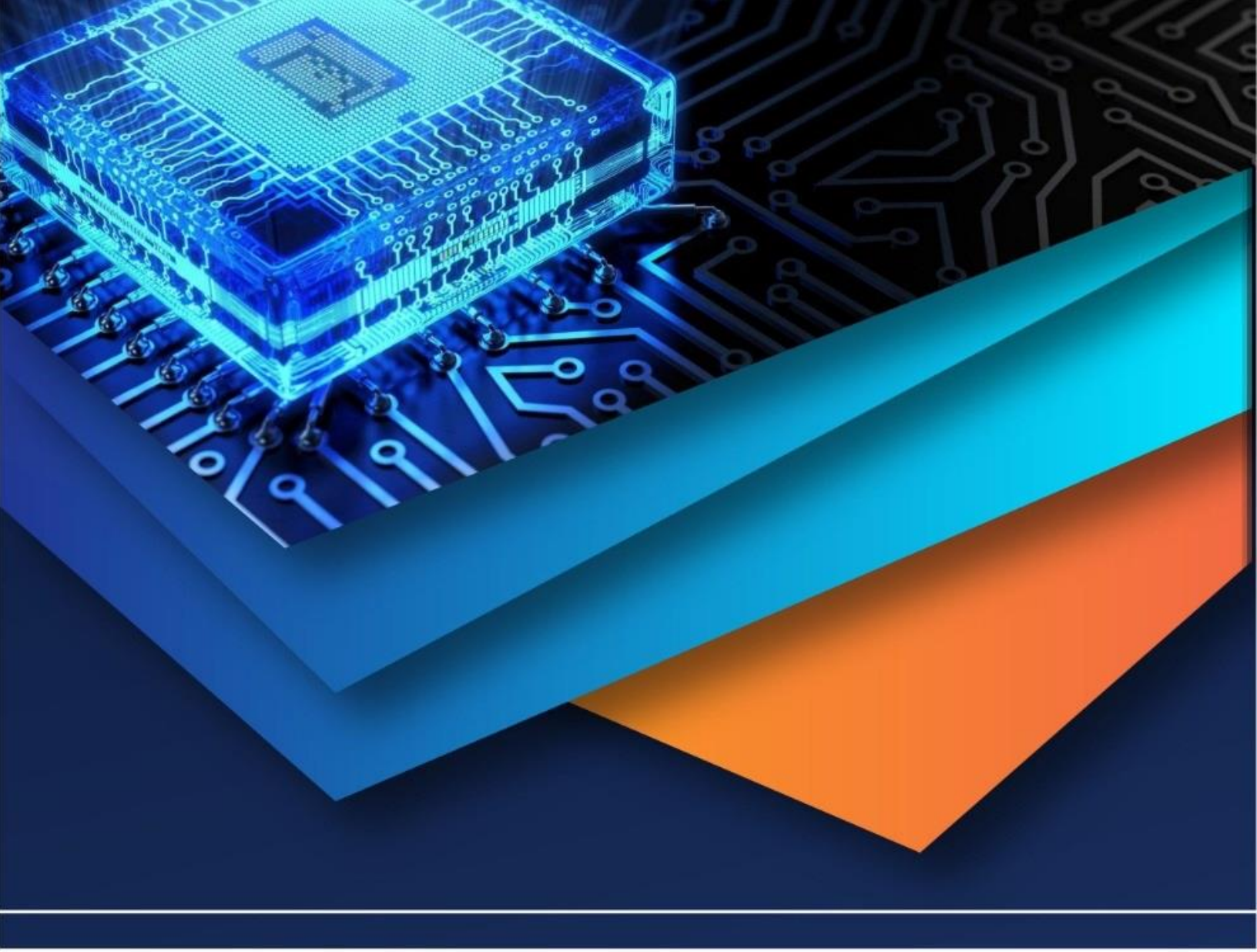
IV. CONCLUSIONS

Thus our project focuses on the development of a mobile application in campus environment that supports information services in campus environment. It is clear that there is a need for development for mobile services and terminals in campus environment and students are able to retrieve information at anytime and at any location.

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