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E-Forum for Professional Colleges Using Android

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ABSTRACT

In most of the educational institutions, the only way to communicate with students regarding the activities conducted by the forum of various departments is only through departments' notice board. If the student wishes to participate, they need to find the concerned person manually. The relevant documents need to be maintained in a file. The solution to the above problem is the "E-Forum Android Application". This application helps the administrators to upload the notices regarding the forum activities. This system helps the students to view the details about the activities of the various departmental forums and also register themselves to participate in the activities. This client-server architecture enables the delivery of information to individual student on their mobile devices which can be accessed anywhere and anytime. This keeps students informed.

Keywords: Client-Server, E-Forum Android Application, Administrators.

I. INTRODUCTION

Now a days Android is the operating system which is mostly used in the smartphones. Near about 80% people are using the smartphones which is based on Android Operating System. With the help of Google App Market, it is very easy to spread the applications among the people. Android Studio (Android Application Development Tool) provides the user friendly platform to develop android application. This is the reason behind selecting the platform for the proposed application is Android.

E-Forum App helps the user to access online notices as well as information about all the forums in the college. It is an online notice board where a

group of people can easily communicate with each other by accessing virtual notices. E-Forum application provides information in the form of text and images.

The notice board has always been the place where staff/students gather to get their latest release of institutional news. E-notice in this E-Forum application brings the notice board to a virtual location where students/staff can not only read notices but also immediately react and response to them from their own mobiles. In E-Forum and E-notice (Announcement System) information alerts may be sent to the opted staff/students that new notices are available.

A. Purpose

The purpose is to design an Android Application which contains the digital notice board, that should improve the pre-existing college notice board of various departments.

B. Objectives:

- To develop an application which brings the notice board to a virtual location where students can access it easily.
- To develop highly efficient application as it keep the students aware through notices about forums.
- To make the student able to do online registration to participate in any activity organized by forums.

C. Organization of the paper:

The content of this paper as follows: In Section II provides Literature survey, Section III covers the details of the proposed work, Section IV presents Experimental results and discussion and in Section V Conclusion is presented.

II. LITERATURE SURVEY

This is the era of modern technology where people have their own smart phones for their daily use. In every institute there is nothing for advertising or spreading the news about the activities conducted by the forum. They have only one way that is notice board [1] of departments. Most of the students don't have the habit to see the notice board. In many educational institutes, to maintain notices or other any forum details they maintained it in a file by keeping hard copy of relevant document. These also results into copious use of the paper [2], affecting the environment adversely.

Some the of colleges use e-notice boards [3] to display about current events but there is nothing to get information about the forums present in the

colleges and e-notice boards used by those colleges are only for the purpose of display notices. There we cannot store the information about any forum or anything related to the forums. There is also the problem of limited spacing to display the notices. Because of this many students don't know about events organized by the forums and are unable to participate in those events.

This is the problem with the pre-existing system i.e. e-notice board. The solution to the above problem is the application "E-Forum for the Professional Colleges ".With the help of this application students can get the details about the forums present in the colleges and students will also know what actually going on. This will also results in reduction in copious use of the paper, which is affecting the environment adversely. With the help of this application students will get details about all the forums present in the college and the events which will be organized by the forums.

In this application we will provide separate login IDs to staff-incharge of every forum so that only he/she will be able to update the status of their respective forums. If the students want to participate in any forum activity they register their names online to participate in that activity.

III. PROPOSED SYSTEM

There is lots of information required in the education institution but we are concentrating on Colleges Forum Activities using Android, as it is very essential in day to day life in academic. In our proposed system there are two phases, Admin and Student. The admin for this "E-Forum" application are president, vice-president, secretary and joint-secretary of the respected forums. They can upload the notices related to the forum activities.

Registration form is provided for new users. Existing users (students) can register online for any events conducted by forums.

looking college notice board for checking any forum events, create the awareness of permissions to the user.

The proposed system is easy to use, it keeps all notices, needs less memory space, no need for

D. Proposed System Architecture

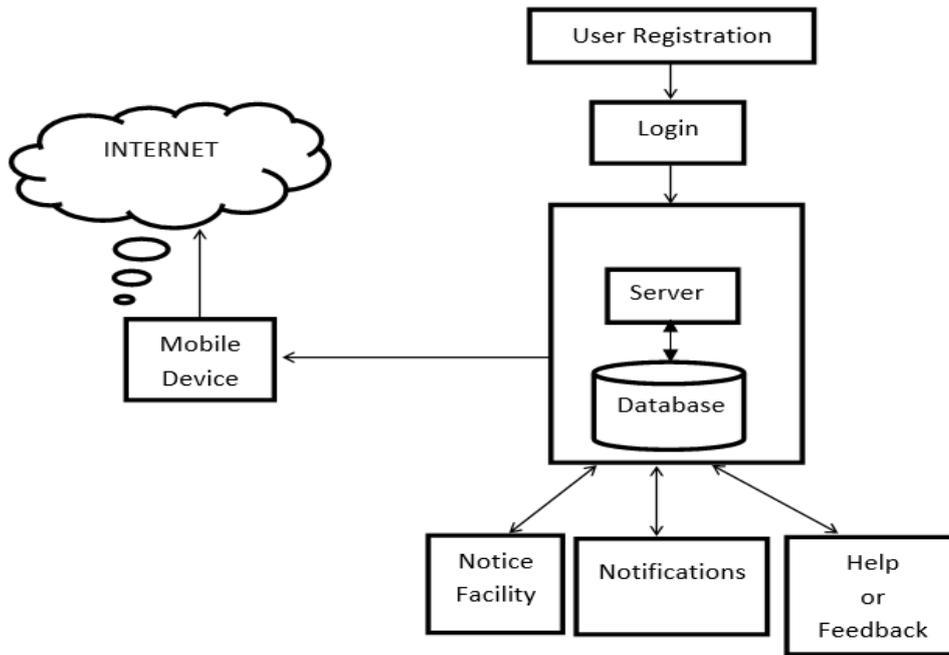


Figure 1(a). Proposed System Architecture for E-Forum

E. Sequence Diagram

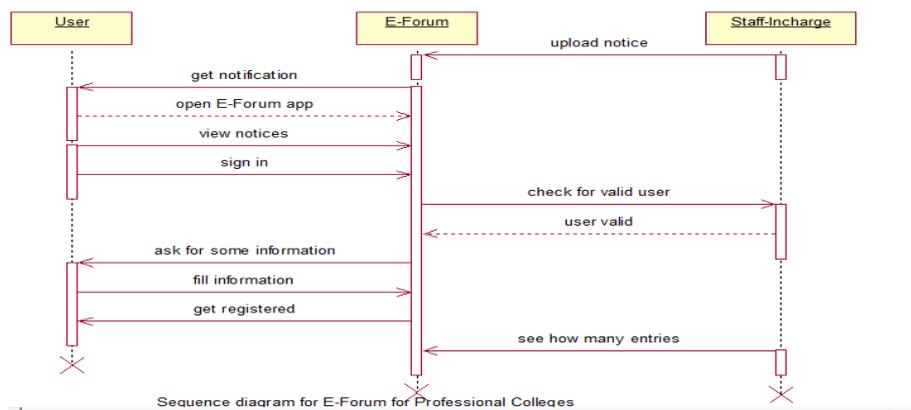


Figure 1(b). Sequence diagram for E-Forum Application for Professional Colleges

IV. EXPERIMENTAL RESULTS AND DISCUSSION



Figure 1(c). Menu page for E-forum Application

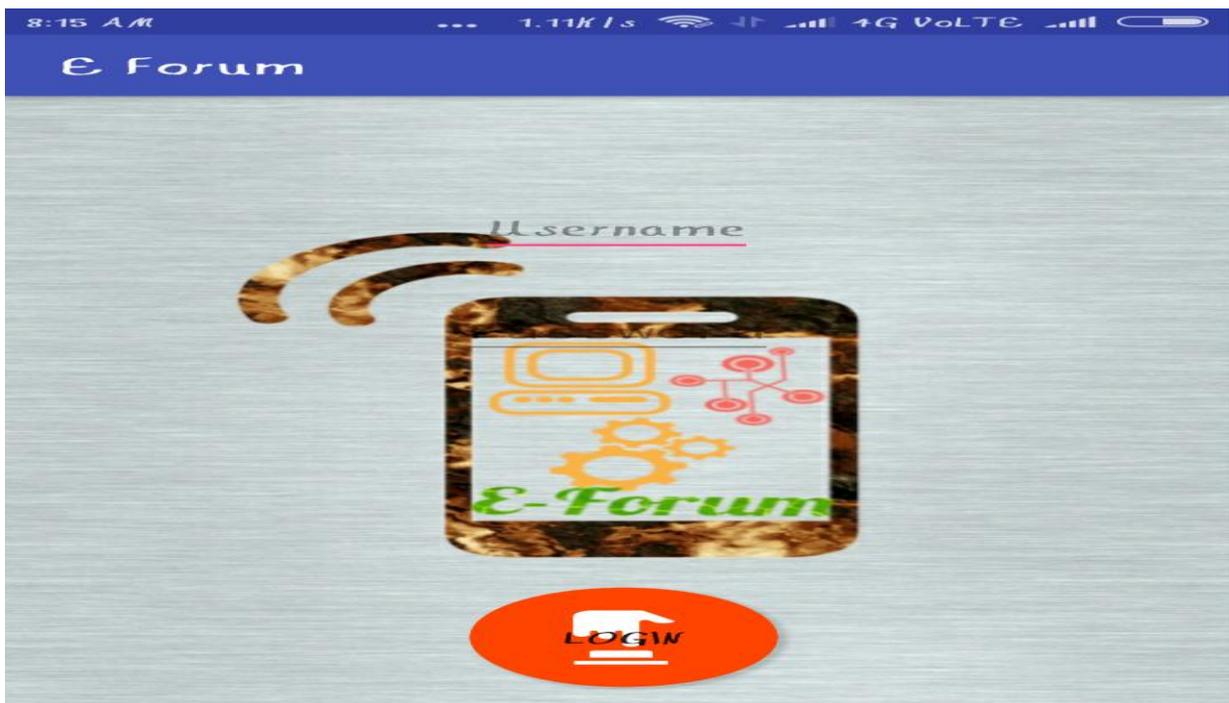


Figure 1(d). Login page for E-forum Application



Figure 1(e). Upload notice page for E-forum Application

V. CONCLUSION

The deployment of our E-FORUM android application brings an advanced means of passing notices around college campus. It has capability of disseminating notice in a well-organized manner compared to the existing paper-based notice board system. In addition, people will be able to view multiple posted notices and also get registered for any events conducted by the forum at anytime and anywhere. Security of the notice is guaranteed as the admin and the faculty posting notices have an authorization to do so. The output can be displayed on android mobile phones, tablet computers and other android devices. In this application the student is the main priority. Ever feature added in this application is keeping in mind the needs of the students and the main aim to provide the users services in an efficient and user-friendly manner.

In general, the e-forum will result as an improvement over existing notice board used in college campus.

Requirement and ample opportunity, behind this project renders it necessary for a system of this kind to be developed. On the move, people are able to access requisite information and capture immediately any important information at any time. The promise is to ensure timely and accurate information flow to the users.

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