Social Networking Application For College

Sagar Khatri[1] ,Saurabh Latkar[2] , Sahil Shah[3], Akshay Zankar[4]
[1, 2, 3, 4] Dept of Information Technology
[1, 2, 3, 4] P.E.S Modern College of Engineering Pune

Abstract- *Having a social life is important in college education, and mobile social applications (apps) cannot be absent in students' modern life. However, many mobile apps have specific limitations. To solve such issues and overcome these limitations by promoting online social life in campus, a mobile social app using Android OS specifically for campus users is designed. Social networks allow students to connect, collaborate and share. But does that connectivity keep students motivated to stay in class and get good grades? This App will help connect students with potential friends, study partners and campus activities better than social media platforms with a broader audience. Also it will help freshers and needy people through its unique modules like smart notice boards, portals, second-hand store, Lost and Found, etc. The Application will be beneficial to the students for communication among people on network i.e, Faculties, Students, other Staff, etc. which works quite similar to Social Media Site. Students can learn about and interact with their professors, form campus groups, plan events and use E2 connections to work with alumni and friends to find internships or career opportunities. College students have a greater willingness to make new friends and have motivations of participating in various activities. To save their precious time of making announcements, payments, registrations, getting schedules automation of such activities is truly necessary. Firstly, campus users need campus social apps that specially designed for them to better meet their campus social and daily life needs. An active social life can benefit college students. Secondly, they prefer applications with more practical and interesting functions to overcome conventional manual tasks. This app provides the features of writing and posting a post or any event all at one place and notifies students about various college events and placement opportunities.*

Keywords- Android Application, Campus Users, College Automation, Education, Social Media Site.

I. INTRODUCTION

In this Modern Era of Technology we need to take our college a step forward in digital learning. An active social life can help students to interact with people from various backgrounds, to form good study habits. Nowadays, We are more Attracted towards social media so we can use this attraction to motivate, guide and help students towards study using this app. There was lack of digital communication, interaction is happening only in physical way. So to make better communication and to reduce the manual labor we felt the urge to introduce digital environment. While interacting to continuous library users and organizers of various events we came to know that there is high demand of automation of manual task to motivate students towards curricular as well as extracurricular activities.

A social life is important in college education, and mobile social applications (apps) cannot be absent in student's modern life. However, many mobile apps have trust issues more or less and have specific limitations. To solve trust issues and overcome these limitations by promoting online social life in campus, a mobile social app using Android OS specifically for campus users is designed. Campus users need campus social apps that specially designed for them to better meet their campus social and daily life needs.

This app provides the features of writing and posting a post at one place and notifies students about various college activities and placement opportunities. Main features include personal profiles, groups, messaging. There is also a flagging system to allow all members to report objectionable content posted on the app. Students can learn about and interact with their professors, form campus groups, plan events and use E2 connections to work with alumni and friends to find internships or career opportunities.

II. PROBLEM STATEMENT

In the previous system, all campus activities such as informing students about notices, different college events and other day to day campus activities are done manually by staff and students. At the same time, for every task campus users need to use different system which makes it lengthy and takes a lot of time in using particular application for particular problem. 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. More efficient execution activities will be achieved through this system.

III. OBJECTIVE

The main objective of the project is to establish a network among the student residing in all over the collage. All the information can be easily accessed and shared among the student.Apart from the students and teachers it can be used by library sta's also. An objective of this app is to reduce time for the students. Dierent departments utilize the system for sequencing dierent processes that are isolated apart.

Aim of the project is:

i)   For Better Communication.
ii) To form good study habits.
iii) To share common interests

"The goal is to bring the entire college campus to the fingertips of the student. We are trying to bring the whole campus to your mobile device".

IV. SCOPE

This software system is mobile social app specifically for campus users and a website for administrators for its management. This system is designed to better meet campus user's social and daily life needs by providing tools with more practical and interesting functions to overcome conventional manual tasks. By meeting campus user's needs and promoting online social life in campus the system will save their precious time while remaining easy to understand and use.More specifically, this application will help connect students with campus activities and having motivations of participating in various activities. The software facilitates communication between Faculties, Students, alumni and other Staff. The systemis administered by staff and specifically by permitted co-ordinators through a website.

V. LITERATURE REVIEW

4.1The development and design of the student management system based on the network environment
Authors: Zhi -gang YUE ,You-wei JIN

The paper discusses various methods for management information in higher education. On the basis of a thoroughinvestigation and analysis on the campus management in higher education, we establish the models of the college students' behaviouralpatterns by using the advanced technology, and construct the student social networking platform. Moreover, we studied the aspects of the information management in higher education, and elaborate the concepts to solve the diculties confronting in the students communication management in the college campus. Finally,

the key methods and technology to carry out the social networking and management platform are presented.

4.2Android-based Attendance Management System
Authors :SitiAisahMohd Noor, NorlizaZaini, MohdFuad Abdul Latip, NabilahHamzah

In this paper a process of taking attendance by using an application running on the Android based platform is proposed. This application can be used to download the students list anytime from a designated web server. Based on this downloaded list of students, the device will that acts like a scanner to scan each of the student cards one by one and confirms and verify the students presence. The device camera acts as a sensor that and reads the barcode printed on the students cards. The updated attendance list is to be uploaded to a server database and can also be saved as a file for transferring to a PC later on. This system will help to reduce the current problems, while also establishing a paperless environment at the same time. Since this application can be installed on staffs own existing Android mobile devices, no additional device cost is required.

4.3The Designment of Student Information Management System Based on B/S Architecture
Authors :JinMei-shan, QiuChang-li , LiJing

In this paper the B/S structure is used to design the student information management system, and explains the systems design principles, systems plan and structure, the functional modules of information system according to current campus users information management needs. It provides an effective students management platform for the management of information of a large number of students and the management of campus users.

4.4 Research and Implementation of Web Services in Android Network Communication Framework Volley
Authors : Yang Shulin ,Hu Jieping

This paper includes integration of Web Services and mobile devices that will promote the development of mobile applications. Volley frameworkproposed by Google 2013 has the advantages of convenient use and faster network request communication, but it does not support Web Services. Extension of Volley, to support the Web Services, can facilitate the efficient Web Services application development, and also improves the access performance of Web Services. On the basis of analysis and research done on the Volley, Ksoap2 and Java Web Services, by the implementation of the Http Stack interface and the expansion of JSON Object Request for realizing support for Web Services .This scheme

use JSON format to transfer data, support S SL/TLS protocol request, custom parameters,sets or gets the request header. This scheme has good compatibility,also it is easy to use, suitable for application on Android platform.

VI. PROPOSED SYSTEM

This system which is a modified version of the present applications which are used by the institutions will consist of two parts: one mobile application and one web portal.The mobile application will be used by students for their daily campus activities while the web portal will be used by admin and staff for managing these activities and system as a whole.The overall system design consists of three modules namely a user module, database module and a staff module. These modules collectively implements diverse functionalities in single application. This includes unique modules like smart notice boards, event management and notification system, Library management, Discussion forums,Onlinesecond-hand store, Lost and Found platform, etc. Other features include personal profiles, e-books, chat groups, and messaging.
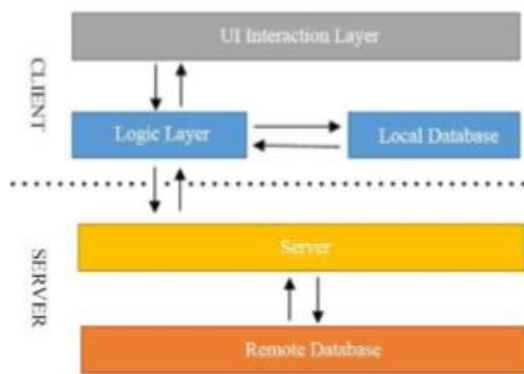

Figure 1. Main architecture of application

.

Students are authorized by system and control is transferred to the respective user-interface. The system uses MySQL as its database and Xampp Server because of their simplicity and flexibility. This module stores every single information about students, faculty and model their data on specified operations. These operations can be storing student attendance, result data or can be authentication credentials. The other module is designed for sta☐, which uses mobile phone as well as web portal to upload notice, upload result and upload college notifications as well as use discussion forum. They cansend message to only available options like all student, to particularclasses, specific department.
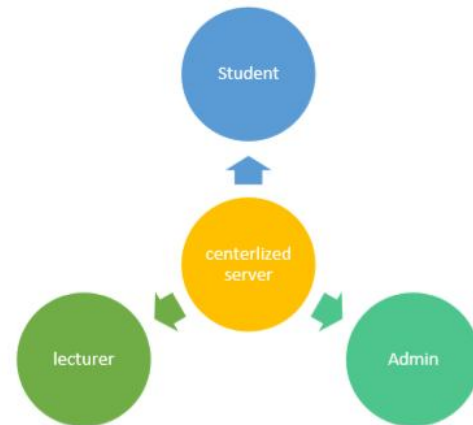

Fig. System Architecture

Digital Notice Boards displays instant notices on mobile platform along with facility of comments for resolving any issues of students. The Library module includes unique functionalities like Searching available books, Sending due date notification to students and Online fine payment. The Events and Participation module is used for announcement of events, templates for creating posters, standard and custom registration forms,smart registration management along with online payment. Likewise Notification module notifies users about various events, for ex; notification of new notice and college events, Due date notification of books, notifications to event participants about schedules and payment, etc.

Among other unique functionalities, the Second hand e-store allows the online trading of books, educational and sports instruments. Lost and Found platform establishes a trust based healthy environment in campus where students can find their belongings and other valuable things. Discussionforum is a Feature where Students, teachers and Alumni can discuss upon various Educational and Industrial topics. The E-books is another platform to motivate study habits of the campus users where students can download any books available on the database server anytime and also they can share their own study material on the platform. Another extraordinary feature is the Fellow-townsman function which o☐ers campus users a convenient way to know fellows who come from the same place. It willshow users a list of fellow-townsman based on the hometown and school information that user filled in college information system.

This way designed application solves the existing problems by automating all campus tasks of both students and staff and especially it helps students to connect with each and increase their interests in studies and other co-curricular activities with whole campus in their hand at any time. As all the functionalities are available at one place students will be

attracted towards using this system instead of finding new system for every different task.

VII. CONCLUSION

It is concluded that the campus users need campus social apps that specially designed for them to better meet their campus social and daily life needs. An active social life can benefit college students. What is more, they prefer applications with more practical and interesting functions. There is a high need of striking a balance between syllabus, curriculum, books and also co-curricular activities beyond that which they find at their hands through modern digital life which helps in motivating students towards these activities.The system reduces the task of the staff members and to benefit them exceptionally in almost all aspects. Man power and manual labor shall be greatly decreased by the arrival of this android based application, and any information updates/retrieval can be done with great ease. Students are introduced into this application with required flexibility and they may interact with the particular staff more frequently for any purpose at any time any place. Hereafter, the students may schedule with this app, they can be able to view Campus on their palm.

REFERENCES

[1] Liu Jianglong, Xiong Min, "A Mobile Social App for College Students based on Perceived Similarity and Trust," 2016 8th International Conference on Information Technology in Medicine and Education.

[2] K. VivekThangam, T. Shyam Kumar, V.Yogeshkumar and S.Prabhu, "Android Application for College Management System (M-INSPROPLUS)," International Journal of Modern trends in Engineering and Research.

[3] Qingya Wang, Wei Chen, Yu Liang,"The Effects of Social Media on College Students".

[4] Pooja S. Sharma,Reshma R. Shetty,Gayatri V. Yadkikar, Prof. DhanashriKanade,"College Automation System".

[5] "Mobile Web Based Android Application for College Management System",International Journal Of Engineering And Computer Science ISSN: 2319-7242 Volume 6 Issue 2 Feb. 2017.