

College Notice Board Using Barcode System

Akash Kamble¹, Omkar Biradar², Suraj Mali³, Ms Suvarna Bahir⁴

Computer Department, Genba Sopanra Moze Institute of Technology, Pune (India)

ABSTRACT

Today notice board has become an important thing in institutes/organization or public places like railway stations, bus stands and hospitals. But to use the paper notices slicked on a notice board is a time taking and expensive process and there is wastage lot of time, paper and labour. The Notice board is used to display the information in an effective way to the people, but to update the messages instantly is not easy on the notice board. In this project deals about an advanced Hi-Tech wireless Notice Board. This system is enhanced to display the latest information through an Android application of smart phones or tablet.

Keywords: Barcode System, Android Application, Admin User, Notification

I.INTRODUCTION

In Today's world, Communication is a very basic and essential need of our life and wireless communication is the only in demand. In colleges, university and even in hospitals there is a need of displaying notifications on notice boards regarding information about college events, result declaration, meetings or even some special announcements. But doing it day to day sometimes becomes hectic and also requires human presence at the spot for the same. Notice board in colleges are important factor of communication between students and staff of college.

II.PROJECT IDEA

The main objective of this project is to add mobility and automation to the process of managing student information in an institute .The system bridges this gap between the end-users and the contrivance planning managers by providing centralized control over the entire system. Different departments utilize the system for sequencing different processes that are isolated apart..

III. PROJECT SCOPE

The system being designed is economically with respect to the students and teachers point of view .The goal is to extract useful information from an unstructured data using the concept of information retrieval, filtering and secure random algorithms .To develop an enhanced student information management system that can help solve drawbacks of existing ERP system. Our basic approach attempts to develop a smart phone based application using Android which can be used to make this process easier, secure and less error prone. More efficient information will be achieved through this system .To provide access to information related to college ,departments ,uploaded assignments ,notes ,news and events ,exams , discussion forum and daily time table on the go.

IV. SYSTEM ARCHITECTURE

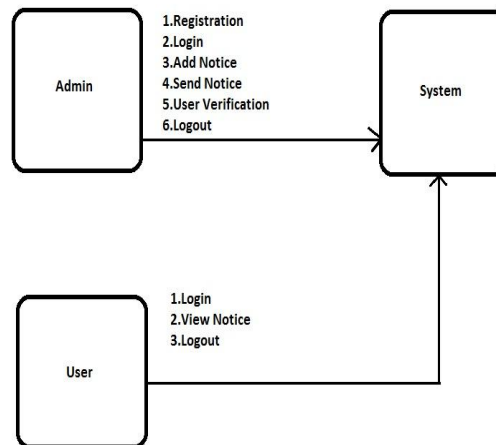


Fig.1: Architecture Diagram

V. MODULES

The module of project include Four modules

1. **Login activity module:** In this module the HOD, Staff and Student login will be performed.
2. **HOD activity module:** In this module the HOD can do Student registration and Staff registration and can send barcode notice, send normal notice can takes place.
3. **Staff activity module:** In this module the Staff can send normal notification, scan barcode notices, view notification takes place.
4. **Student Activity module:** In this module the Student can scan barcode notice, view notification takes place.

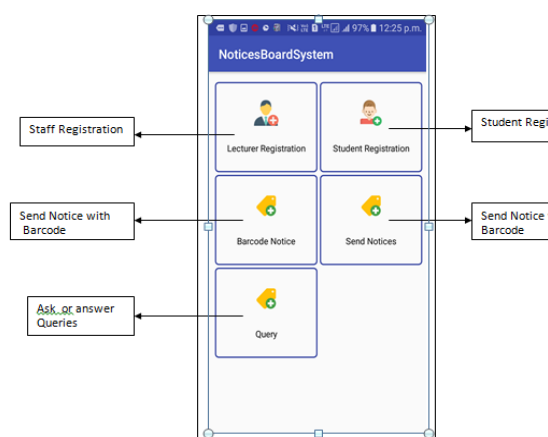


Fig 5.1:HOD Activity Board

1. In this stage HOD can select the particular task to do like Register the student,

Register the Lecturer, send barcode notice, send normal notice, and add get queries.

2. This authority is given only to Head of Department.

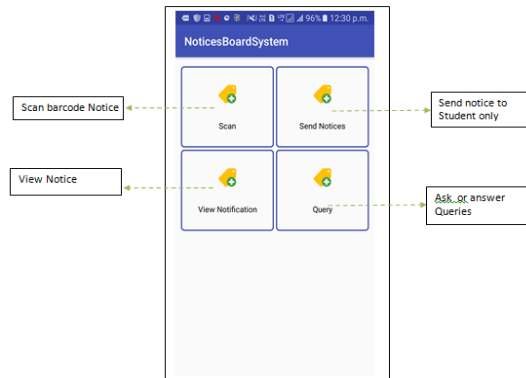


Fig 5.2: Lecturer Activity Board

1. In this stage HOD can select the particular task to do like Register the student, Register the Lecturer, send barcode notice, send normal notice, add get queries.

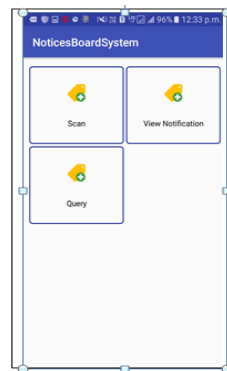


Fig 5.3: Student Activity Board

1. In this stage Student can select the particular task to do like Scan Barcode view notification/normal barcode and send query.

VI. GOALS

This system develops an android application for notice boards. The application used for students and teachers. Teachers should be able notice. All private or public notices will be delivered to students in time. Admin shows all students and staff list as well as add notice templates. This application eliminates manual pen and paper work and uses Bar code scanning.

VII. CONCLUSION

We have Developing Android based College Notification system to provide college related notices directly on your android device using barcode. By introducing the concept of wireless technology in the Field of the communication we can make our communication more efficient and faster, with greater efficiency. We can display the messages with less errors and maintenance. This system can be used in college, school, offices, railway station and commercial as well as personal used. The above technical paper explains how we can develop as well as modify voice control Android based wireless notice board. In the existing system i.e. the one we are using in our college campus, maximum work goes manually and also leads to error. In this proposed work we have presented the design and implementation of a mobile application named as an android based mobile application for sharing the college/campus activities. By this application student can get detailed information and stay updated.

REFERENCES

- 1.A.J.Kadam, Aradhana Singh, KomalJagtap, SrujanaTankala ” Mobile Web Based Android Application for College Management Sysytem” (IJECS) Volume 6, Issue 2.
- 2.SaloniSahare, RajatKadwe, Sheetal Garg, ShitalHingawe, A. Chopade “A Survey Paper on Android Controlled Notice Board” (IJTRD) Volume 4, Issue 1.
- 3.Lori Y. Pise, Prof. Aditya P. Bakshi “Android Application to Access College Activities” (IJRISE) Volume 1, Special Issue 1.
- 4.A.J.Kadam, Aradhana Singh, KomalJagtap, SrujanaTankala ” Mobile Web Based Android Application for College Management Sysytem” (IJECS) Volume 6, Issue 2.
- 5.SaloniSahare, RajatKadwe, Sheetal Garg, ShitalHingawe, A. Chopade “A Survey Paper on Android Controlled Notice Board” (IJTRD) Volume 4, Issue 1.
- 6.A.J.Kadam, Aradhana Singh, KomalJagtap, SrujanaTankala ” Mobile Web Based Android Application for College Management Sysytem” (IJECS) Volume 6, Issue 2.
- 7.SaloniSahare, RajatKadwe, Sheetal Garg, ShitalHingawe, A. Chopade “A Survey Paper on Android Controlled Notice Board” (IJTRD) Volume 4, Issue 1.