College Communicator

Rakshit P[1], Vishal C[2]

P.G Student, Department of MCA, Rastreeya Vidyalaya College of Engineering, Bangalore, Karnataka, India1 Assistant Professor, Department of MCA, Rastreeya Vidyalaya College of Engineering, Bangalore, Karnataka, India2

ABSTRACT

Notice board is essential thing in any organization or open utility spots like transport stations, railroad stations, schools, malls; and so on. Be that as it may, spending different notification every day is a troublesome procedure. A different individual is required to carry out this responsibility. This venture is about cutting edge remote notification board. The project is built around Android technology which is most important in this system. Any data transfers are done via mobile application itself which will be reflected on the notice board. College communicator is not only an application for publishing notices on notice boards but also an android application through which exchange of notes and study materials can be done. At any time we can add as well as remove the text, study materials etc, according to our requirement. At administrator end, authorized person can use android phone for sending notices. The data is received from authorized user only such as Staffs and students of an organization. This is the model for showing notices in schools on advanced notification board by sending messages. It is a remote transmission framework which has less blunders and upkeep. The hardware board is replaced by this proposed system. Many users can access to update notices on the digital notice board and study materials by providing there password. We can use a web application with an administrator for monitoring the system. Thus, it is both the web as well as mobile application.

INTRODUCTION

A Notice Board is where individuals can leave open messages, for instance, to promote things, declare occasions, or give data. Notice sheets are frequently made of a material, for example, stopper to encourage expansion and expulsion of paper messages or it very well may be put on computerized gadgets. So individuals can leave and eradicate messages for others to peruse and see. The primary point of this undertaking is to make data dispersal a lot simpler in a paperless network as the world will in general alumni into that line of collaboration to build up the Notice Board office as an application, for use in college or any organization.

This application is about the implementation of Electronic Notice Board to the college administration system. This work for the most part expects to go about as an emotionally supportive network for the current strategy by which notification are being posted in the Electronic Notice Board web application. The project is an electronic notice board that is controlled by an web based technology and an android device to share the study materials or notes by the faculties to students using this mobile application. The faculties have N number of options such as users can update their profile, change password, launch complaints to parents etc. In other words there is no need of maintaining N number of accounts and passwords as majority of things can be made using this application itself. This project can be used not only in colleges but also other areas such as offices, railway stations or airports for displaying any information. The administrator of the application logs in to the application by giving his valid credentials. The details or any information which needs to be put on the notice board will be inputted and it is stored in the server. When the admin posts this information it will be displayed on the notice board as well as in the android mobile application. If someone wants to view the details they can login in their application and view the posted information on their android phones at their place.

OBJECTIVE

The fundamental target of this undertaking is to build up a keen notification load up that show message sent from the administrator and to plan a basic, simple to introduce easy to understand framework which can get and show notice in a specific way as for date and time which will push the client to handily monitor notice load up each day and each time he utilizes the framework.

The undertaking targets structuring a Mobile based message show controlled from an Android cell phone. The proposed framework utilizes remote innovation to convey from Android phone.

LITERATURE REVIEW

Sr. No	Paper Name	Year	Technique
1.	GSM Wireless Communication System	2010	GSM
2.	Display Message on Notice Board using GSM	2013	GSM
3.	Wireless Electronics Display Board Using GSM Technology	2013	GSM
4.	SMART NOTICE BOARD	2014	
5.	A Protocol for End-to-End Secure Transmission of SMS	2014	SMS
6.	Transmission Policies for Multi-Segment Short Messages	2015	SMS

GSM Based e-notice board:

Wireless communication International journal of soft computing and engineering (IJSCE). Secure method of updating digital notice board through SMS with PC monitoring system, is done securely using wireless communication ISSN: 2231-2301, vol-2, issue-3, July 2012.

PROPOSED SYSTEM

The issues looked by wooden notification board could be all around settled by the execution of our E-Notice Board application that brings a propelled methods for passing notification around the school in a simpler and effective manner. As the name indicates the main intention of the project is to replace the manual updating board by electronic boards. These e-boards can be updated using android application. This e-board will be connected to the system with the inbuilt application, the admin may easily change the data whatever he wants just by updating in the system. This change will be reflected on notice board automatically. This reduces the manual and paper work and will also save efforts and time involved in doing so manually.

The administrator of the application logs in to the application by giving his valid credentials. The details or any information which needs to be put on the notice board will be inputted and it is stored in the server. When the admin posts this information it will be displayed on the notice board as well as in the android mobile application. If someone wants to view the details they can login in their application and view the posted information on their android phones itself. If staffs present in the organization needs to post something on the e-board then they also have the facility to login and post notes/feedbacks to the server and it will be directly accessed by the students. This application is both mobile and web application and hence it is easy to view posted information on their own devices. And thus, people will be able to view multiple posted notices from anywhere and at any time with the help of this application.

ALGORITHM

Following step by step technique will clarify the genuine working of the framework

1. Start
2. Login for access notice board.
3. In the event that the client is substantial, at that point go to stage 4 in any case go to stage 2.
4. Select Information's in the form of image, pdf and text files
5. Upload files.
6. Store the message.
7. Display stored messages
8. Check for new notice.
9. Repeat above steps when power supply maintained.
10. End

CONCLUSION

The deployment of our E-Notice Board application brings an advanced means of passing notices around in the College Campus. It is easier and less time consuming and also reduces human interaction. The disseminate of notices is in a simple and secured manner compared to the existing paper - based wooden notice board system. With the use of the ENB, human traffic or interaction will be reduced at notice board locations in an organization, since information on notice boards can be accessed electronically on their own mobiles at their place. In addition, people will be able to view multiple posted notices from anywhere and at any time with the help of application. Security of notice is ensured as the administrator and the personnel posting sees have an alloted key to do as such. As a rule, the ENB will result as an improvement over the current notification sheets utilized in College Campus.

FUTURE ENHANCEMENT

Each and every project that is developed now will have future enhancements. This project call "Smart notice board" will have these enhancements in future.

1. This project is been designed for educational purpose and mainly for students across for an organization. In future, it can be enhanced to students all across the country.

2. At present only a site visitor will be able to post a query or view replies. Further it can be extended for staffs as well.

REFERENCE

[1] Mr. Ramchandra K. Gurav, Mr. Rohit Jagtap, "Wireless Digital Notice Board Using GSM Technology", International Research Journal of Engineering and Technology (IRJET), Volume: 02 Issue: 09, Dec-2015, e-ISSN: 2395 -0056

[2] Prof. Sudhir Kadam , Abhishek Saxena , Tushar Gaurav, "Android Based Wireless Notice Board and Printer", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 3, Issue 12, December 2015, ISSN(Online): 2320-9801 ISSN (Print): 2320-9798

[3] C.N.Bhoyar, Shweta Khobragade, Samiksha Neware, "ZigBee Based Electronic Notice Board", International Journal of Engineering Science and Computing, March 2017

[4] V.P.Pati, Onkar Hajare, Shekhar Palkhe,Burhanuddin Rangwala, "Wi-Fi Based Notification System", The International Journal Of Engineering And Science (IJES), Volume 3 ,Issue 5 ,2014.

[5] S.ArulmuruganP P,S.AnithaP P,A.PriyangaP P,S.Sangeethapriya," Smart Electronic Notice Board Using WI-FI", - International Journal of Innovative Science, Engineering & Technology, Vol. 3 Issue 3, March 2016, ISSN 2348 – 7968

[6] Liladhar P. Bhamre , Abhinay P.Bhavsar , Dushyant V. Bhole , Dhanshree S. Gade, "Zigbee Based Notice Board", IJARIIE, Vol-3 Issue-1 2017,ISSN(O)-2395-4396.

[7] Jaiswal Rohit , Kalawade Sanket , Kore Amod , Lagad Sanket, "Digital - Notice Board", International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 4 Issue 11, November 2015

[8] Bhumi Merai, Rohit Jain , Ruby Mishra, "Smart Notice Board", International Journal of Advanced Research in Computer and Communication Engineering Vol. 4, Issue 4, April 2015, ISSN (Online) 2278-1021

[9] Modi Tejal Prakash, Kureshi Noshin Ayaz, Ostwal Pratiksha Sumtilal "Digital Notice Board", International Journal of Engineering Development and Research, Volume 5, Issue 2,2017, ISSN: 2321-9939

[10] Suma M N, Amogh H Kashyap, Kajal D, Sunain A Paleka, "Voice over WiFi based smart wireless notice board", SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE) – Volume 4 Issue 6 – June 2017

[11] E. Ferro and F. Potorti, Bluetooth and Wi-Fi wireless protocols a survey and comparison, Wireless Communications, IEEE, vol. 12, no. 1, pp.12-26, February 2005.

[12] Nivetha S. R., Puritha R., Preethi Selvaraj and Yashvanthini S. M., (2013) SMS based wireless notice board with monitoring system, International Journal of Advanced Electrical and Electronics Engineering, (IJAEEE), ISSN (Print): 2278-8948, Volume 2, Issue 3, pp 58-62.

[13] Vijay Kumar Garg, Joseph EWilkes, Principle and Application of GSM, Upper Saddle River, NJ [u.a.] Prentice Hall PTR, pp. 177-192, 1999.

[14] GSM Based e-notice board: Wireless communication International journal of soft computing and engineering (IJSCE). ISSN: 2231-2301, vol-2, issue-3, July 2012.

[15] Anuradha Mujumdar, Vaishali Niranjane & Deepika Sagne, (2014) "Scrolling LED display using wireless transmission", International Journal of Engineering Development and Research (ISSN: 2321- 9939), Volume 2, Issue 1, pp 475-478.

[16] Muhammad Ali Mazidi, Janice Gillispie Mazidi, Rolin D. McKinely, " The 8051 Microcontroller and Embedded System using Assembly and C", second edition, Upper Saddle River, N J Pearson publication, 2006.