

DIGITAL NOTICE BOARD

Varinder Singh Bansal, Ashwin Ayare, Richa Bhatia, Siddhita Ghosalkar
B.E. Students

Department of Electronic Engineering,
K.C. College of Engineering & Management studies & Research,
Kopri, Thane(E)-400 603, India.

vsbansal46@gmail.com, ashu.ayare1only@gmail.com, rliبران94@yahoo.com,
siddhitaghosalkar40@gmail.com

Abstract— The notice board is a flat solid object placed at strategic positions makes it an object which notices and posters are being placed on it. In K.C. College of engineering and management studies and research, notices spring up from different officers bringing reminders, warnings, advice, results, and appointments to be placed on the notice board. As these notices are being placed on the boards, some of the old notices are not removed and with time the notice boards get filled up with relevant and irrelevant notice messages, as a result of this, a person might not take caution of any new notice being displayed as the person feels he cannot go through the stress of browsing through the whole notice board searching for relevant notices.

Digital notice board is a common device that is used to display information.

Index Term— Digital, DNB. Notice Board, University Administration,

I. INTRODUCTION

A Notice Board is a place where people can leave public messages, for example, to advertise things to buy or sell, announce events, or provide information. Notice boards are often made of a material such as cork to facilitate addition and removal of paper messages or it can be placed on digital devices such as computers, phones so people can leave and erase messages for other people to read and see. The main aim of this research work is to make information dissemination much easier in a paperless community as the world tends to graduate into that line of interaction to develop a Digital method. In educational institutions, the organization uses circulars and notice boards in order to convey information to the students. This methodology will take added time for updating and many students may not be aware of the information displayed on notice boards which are not eye catching ones Notice Board facility as a software for use in University's Administration. This research work is about the implementation of a DNB in a university system.

[15] Generally innovation has come as a key factor to help to make administrative work much easier, campus executives are

using new and improved versions of existing technologies to get better control of administrative activities, campus technology leaders are dramatically enhancing data, wired/wireless network, and device security, and are borrowing

formalized quality assurance models from the corporate world in order to end the practice of purchasing and implementing technology that just doesn't deliver as promised. The DNB is a sub type under the Virtual Learning Environments (VLE), in most case the DNB can come as a feature on a website.

II. MATERIALS AND METHODS

We intend to run the DNB as a program that can be viewed strictly within specific locations. For the fact that the notice board program runs on personal computers connected by a local area network, information dissemination is efficient.



A. The Manual Wooden System

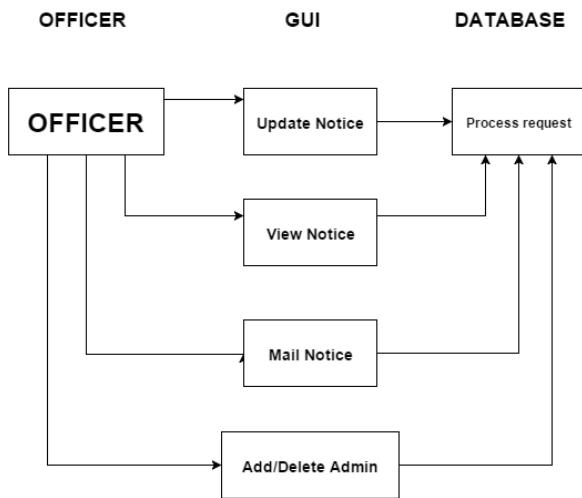
In our case study (K.C. College of engineering and management studies and research), there is the manual method of passing information around as they are pinned on notice boards placed in strategic positions around the College Campus. Notice boards are located on all the respective floors. In the following diagrams we have images of the notice boards as placed at strategic positions in College campus

The notice board is a flat solid object placed at strategic positions makes it an object which notices and posters are being placed on it. In K.C. College of engineering and management studies and research, notices spring up from different officers bringing reminders, warnings, advice, results, and appointments to be placed on the notice board. As these notices are being placed on the boards, some of the old notices are not removed and with time the notice boards get filled up

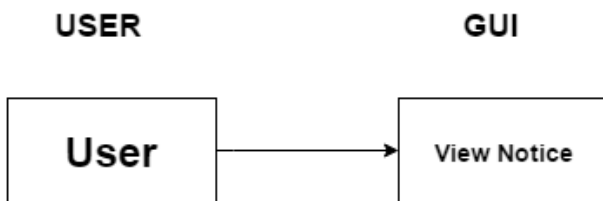
with relevant and irrelevant notice messages as a result of this, a person might not take caution of any new notice being displayed as the person feels he cannot go through the stress of browsing through the whole notice board searching for relevant notices. This can be found about the notices placed in the figure above. It is obvious that developing DNB program would help in disseminating information much easier between different members of the college.

B. Proposed Architecture and Design

For admin



For user



Modules used in the program

Server:-It is used to store the notice when the notice is typed and to fetch it when it is called upon. The notices can be timed and can be automatically deleted when the notice period expires

Client:-It is the main master pc which is used to update notices and put up new notices. It can also be used to set the format of the proposed display

Faculty:-This is the faculty side of the user which updates and deletes any new or old notices based on the requirement of the current bases

User:-The student part of the user which is allowed to look at the notices which are being displayed on the screen based upon the input given by the faculty to the notices after the user has been connected to the DNB through LAN.

Checks for updated notice

Exit Application

JAVA was used as the front-end or client side of the package to enhance interactivity, simplicity and to give a beautiful user-friendly interface. The changes that the admin and the user can make are as follows

For admin

- make new account
- edit existing account
- update notice
- view notice
- mail notice

For user

- view notice

III. RESULT

Since the notice board program runs on personal computers connected by a local area network, the following results are obtainable benefits: The readers can read the notices being posted from anywhere within the campus just as long as the computer is connected through the local area network (LAN) facility [3, 4]. It acts as a medium for a quick reminder to the readers about upcoming events. The officer posting the notice can post it from anywhere within the campus as long as he has the authorized access. Notices that have expired can be referred to as they are stored in the database for a long period of time. In some cases most people do not find the notice that has been posted on the board due to the selfish interest of some people removing them for their personal use, the DNB acts as a medium where people can view relevant notices over time. Some of the notices being pinned on the notice board cannot be viewed clearly as they are sometimes handwritten, the notices in a DNB are being typed in hence the reader can view them very clearly.

IV. CONCLUSION

The deployment of our DNB software brings an advanced means of passing notices around in the college. It has the capability to disseminate notices in a simple and well organized manner compared to the existing paper-based notice board system. With the use of the DNB, human traffic will be reduced at notice board locations since information on notice boards can be accessed digitally on any DNB-installed

computer.. Besides, the output can be displayed on large electronic board with organized circuitry

REFERENCES

- [1] S. W. Ambler, *"The Object Primer: Agile Model Driven Development with UML 2"*, Cambridge University Press, 2004.
- [2] K. Bittner, I. Spence, *Use Case Modeling*. Addison- Wesley Professional, 2002
- [3] F. Halsall. " Data Communication, Computer Networks and Open Systems (4th Edition)", Addison Wesley Publishers Limited, 1996.
- [4] J. Callaghan, " *Inside Intranets and Extranets: Knowledge Management and the Struggle for power*". Palgrave Macmillian, 2002
- [5] N. Villar, K. Van Laerhoven, H.-W. Gellersen. "A Physical Notice Board with Digital Logic and Display" (Demo). In Adjunct Proceedings of the European Symposium on Ambient Intelligence 2004; ACM ISBN: 1-58113-992-6. pp. 207-217. [5]. Ajinkya Gaikwaid -"Wireless notice board" :ISSN Vol-2 issue-3 2013
- [6]. N.Jagan Mohan Reddy-"Wireless electronic display board using GSM technology" ISSN: 2320-2084 Vol-1 issue-10 dec-2013
- [7]. A.P.Bagade, S.L.Haridas, P.R.Indurkar-"Development of a mobile based device remote control": NCIPET-2012
- [8]. S W .Ambler , "the object primer ;Agile model driven development with UML 2",Cambridge University Press ,2004
- [9]. K.Brittner ,I.Spence ,Use Case Modelling .Addison -Wesley Professional ,2002
- [10].F.Halsall. " Data communication ,Computer Network and Open System (4th edition)" , Adision Wesely Publishers Ltd,1996
- [11].J.Callaghan , " Inside Intranets And Extra Nets : knowledge management and struggle for power" . Palgrave Macmillan ,2002
- [12]. "XBee Series 2 OEM RF Modules Product Manual" , Digi International ,Inc ,2007
- [13]. http://hkttiit.ee.ust.hk/technology/TT_wireless.html
- [14]. "RS232 Tutorial on Data Interface And Cables".ARC Electronics 2010 .Retreived 28 july 2011
- [15].VictorChukwudi Osamor, Olatobi S. Aloba and Ifeoma P. Osamor. " From Wooden to Digital Notice Board (DNB): Design and Implementation for University Administration". International Journal of Electrical & Computer Sciences IJECS-IJENS Vol:10 No:02