

Wireless E-Notice Board Using Bluetooth Module

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Abstract

*The Project is based on wireless E-notice board using Bluetooth module. It will help us in passing any message almost immediately without any delay just by sending a SMS which is better and more reliable than old way of passing the message in notice board. The notice board receives serial data from wireless module receiver and displays it on graphical liquid crystal display. Using Bluetooth module display the message onto the display board. We use Kolin based 128*64 graphical LCD as display element.*

Keywords: Electronic notice Board, Bluetooth module, Microcontroller, Wireless, 128*64 graphical LCD as display element.

1. INTRODUCTION

The use of cellphones has rapidly increased over the last decade and a half upgradation in networking technologies has encouraged the development and growth of very dense networks. A lot of paper is been used and which is later wasted by the organizations. The Bluetooth module receives a message from the authorized mobile phone and the message is extracted by the microcontroller from the Bluetooth module and is displayed on the LCD display board.

[1] The whole process can be described from transmitter and receiver section. Notice Board are one of the widely used ones ranging from primary schools to major organizations.

[2] The proposed system in this paper has many upcoming application in educational institutions, traffic management etc. [3] The main aim of this paper is to design a SMS driven automatic display board [4] which can replace the currently used programmable electronic display and conventional notice boards. [5] Bluetooth module message will be displayed on the LCD display board. We can avoid the emergency situations and also avoid many dangers. The following section of this paper the issues discussed above and the Bluetooth module message receive in LCD display board.

2. RELATED WORK

The message to the people using wireless electronic notice board which is synchronized using the Bluetooth module. Using various AT commands is used to display the message onto the LCD board. Bluetooth technology is used to control the LCD display board and for conveying the information through a message sent from authenticated user. The proposed system can be used in many public places, malls to enhance the security system and also make use and avoid many dangers. Easy maintenance, access and portability.

3 PROPOSED MODEL

The objective is to be able to stand near the Arduino and casually acquire live data. The equipment is claimed to work over 10m. I have used it over 15m with clear line of sight. One wall of lightweight domestic construction will cut the range to about 5m maximum, and a single layer of foil building insulation can kill it stone dead. This last can mean that indoor to outdoor communication could be pretty risky.



4. MULTI TERMINAL

The multi terminal is intended for simultaneous management of multiple accounts, such as WIFI and Bluetooth for which is mostly helpful for transmitting message to the display. The new terminal successfully combines great functionalities that allow effective transferring with many accounts and with exceptional usability. Terminal can easily get acquainted to this new program within a few minutes. After installing the application in mobile phone, it needs to configure with password.

5. CONCLUSION

As the technology is advancing every day the display board systems are moving from Normal hand writing display to digital display. Further to Wireless display units. This paper develops a photo type laboratory model wireless notice board system with WIFI MODULE and BLUETOOTH connected to it, which displays the desired message of the user through an SMS in a most populated or crowded places. This proposed system has many upcoming applications in educational institutions and organizations, crime prevention, traffic management, railways, advertisements etc. Been user friendly, long range and faster means of conveying information are major bolsters for this application. By using this proposed methodology we can enhance the security system and also make awareness of the emergency situations and avoid many danger.

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