Wireless Notice Board Using Bluetooth

Project by

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Abstract

The wireless LCD display shows information sent from a smartphone. The user can send text messages with alphanumeric characters to the LCD within Bluetooth range of about 10 metres.

COMPONENTS REQUIRED

- **Arduino Uno board**
- **Alphanumeric LCD**
- **Bluetooth module (HC-05)**
- **preset (VR1)**
- **Software - Arduino IDE**
  It is used for programming Arduino board.

About the project...

Notice Board is the most uniform and primary apparatus in any university, schools or public places like bus stations, railway stations and parks.

But fixing and changing various notices of instruction on a day-to-day is a difficult process.

The main objective of this project is to develop a wireless notice board that displays messages send from the user's mobile.

Whatever notice we want to display, just type the text in the application and press send.

When a user sends a message, it is received via a Bluetooth module at the receiver unit.

The message received by the module is sent to the microcontroller that further displays it on a electronic notice board.

The Notice board is an LCD display interfaced to a microcontroller.

Applications…

This is very useful in Hotels, Malls, college, offices and can be used anywhere, even at home.

Like you can set the message like “Do not disturb” at your hotel’s room gate, can set message at your home’s door step when you are away, and of course it is used as notice board in schools, colleges, cinema halls etc.

And yes, it’s just not a simple Message board, the usefulness of this project is that you can set or change the message, just with a click from the application.

AUDRINO UNO

- **The Arduino Uno is an open-source microcontroller board based on the Microchip ATmega328P microcontroller and developed by Arduino.cc.[2][3] The board is equipped with sets of digital and analog input/output (I/O) pins that may be interfaced to various expansion boards (shields) and other circuits.[1] The board has 14 digital I/O pins (six capable of PWM output), 6 analog I/O pins, and is programmable with the Arduino IDE (Integrated Development Environment), via a type B USB cable.[4] It can be powered by the USB cable or by an external 9-volt battery, though it accepts voltages between 7 and 20 volts. It is similar to the Arduino Nano and Leonardo.**