



ASANSOL ENGINEERING COLLEGE

INNOVATIVE MODEL MAKING COMPETITION

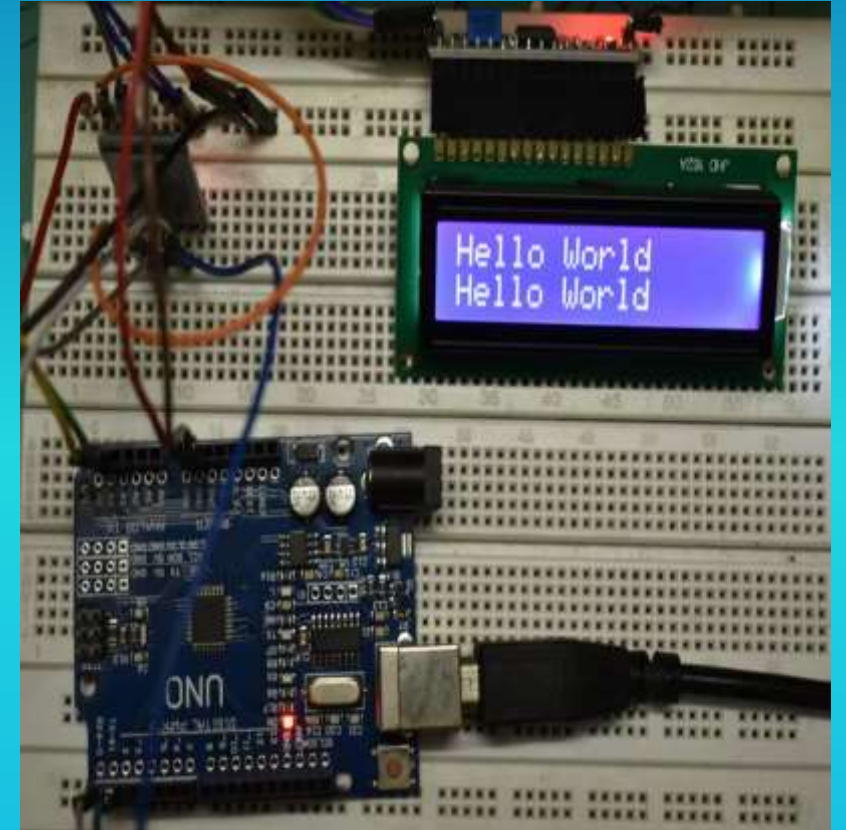
**WIRELESS NOTICEBOARD
USING ARDUINO**

**BY
CORE FOUR**



Introduction

In earlier days people used the paper as the medium to convey any message and printed paper is used to display on a notice board. These conventional notice boards are not so connected for the changes in the message which is to be displayed. Also needs huge amount of time, resources and manpower. Notice boards are one amongst the mainly used ones, which are ranging from primary schools to major organizations to convey information. Individuals using these notice boards through wireless communication can interconnect with people easily and it requires less amount of time. Wi-Fi network has been used to give a wide area network that permits to transfer the information into text message through LED display that acts as a notice board.



PROPOSED SYSTEM

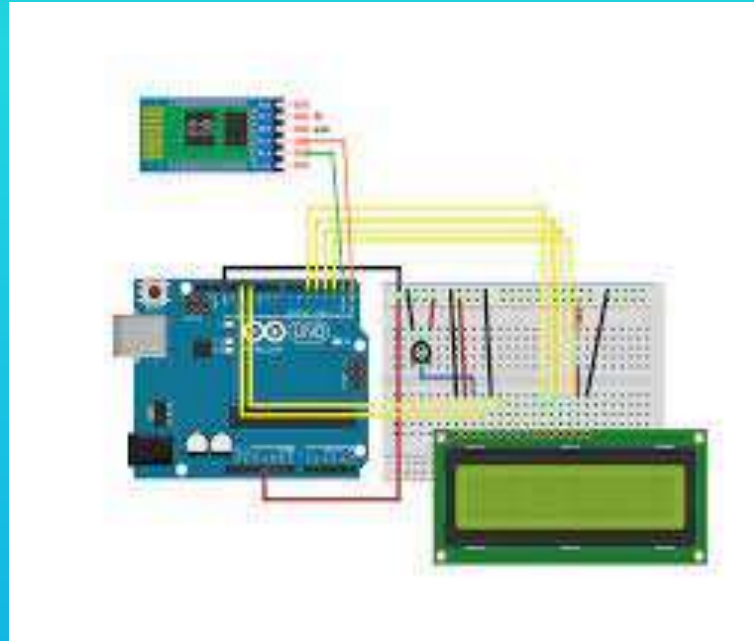
AIM-The aim of our project is to develop a wireless notice board that display message or the information sent from the user through a simple interface and which displays it on LED screen. To originate a Wi-Fi driven automatic display Board which can replace the presently used paper based notice board and conventional notice boards. So this document gives us clear idea of how to change the contents of Digital display using Wi-Fi. So for that we use some Embedded as well as communication idea and using Arduino board we try to implement our system.



THE MODEL

What is an wireless digital board ?

WirelessNotice digital 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–today is a difficult process.



COMPONENTS

Components Required



Arduino UNO



Bluetooth Module HC 05



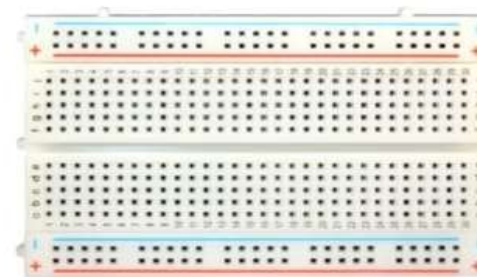
16x2 LCD Display



Jumper wires

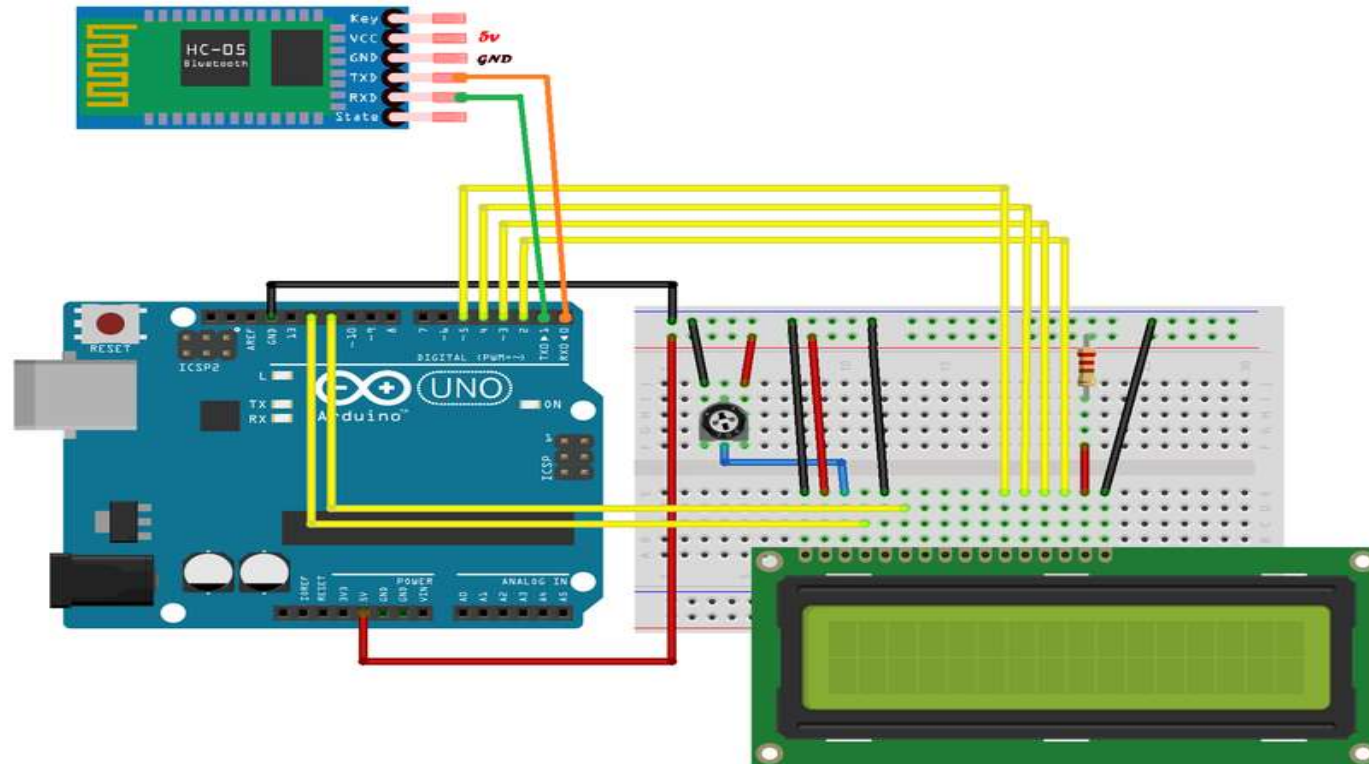


1K Ohm Resistor



Half breadboard

CIRCUIT DIAGRAM



APPLICATION

The applications of wireless notice board mainly include public places like bus stands, railway stations, airports, shopping malls, and parks to display the information wirelessly.

This project is also used in organizations, schools, and colleges



Advantages

The electronic notice board is wireless and no need for wires for displaying the information on the LCD display.

It is very easy to operate and consumes less power

The circuit of the wireless notice board is portable.

Disadvantages

Sometime electronic notice board is not able to provide the information in time, due to far range and bad weather issue we have to face very heavy loss also.

TEAM CORE FOUR

Team details

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THANK YOU