

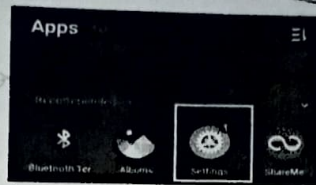
Wireless Notice Board Using Bluetooth

Instructions to operate the notice board

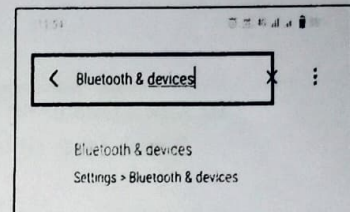
1. Download the app "Bluetooth Terminal" from Google play store



2. Go to Phone Settings



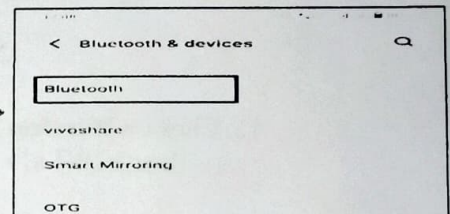
3. Search for "Bluetooth" in search bar



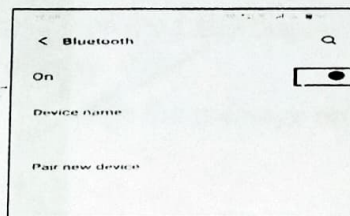
4. Click on "Bluetooth & Devices"



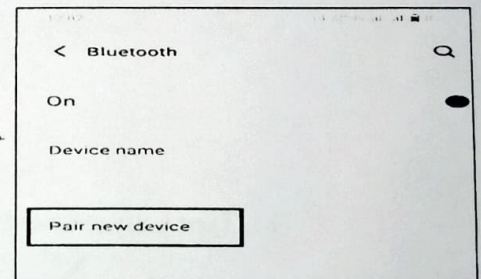
5. Click on "Bluetooth"



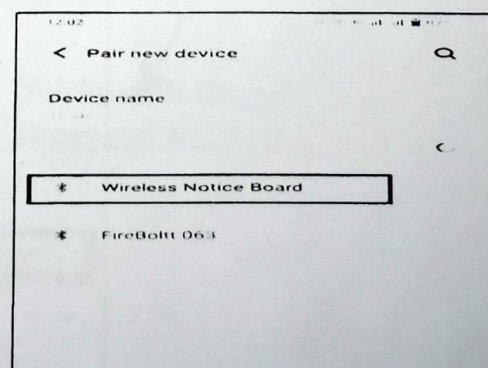
6. Turn on "Bluetooth"



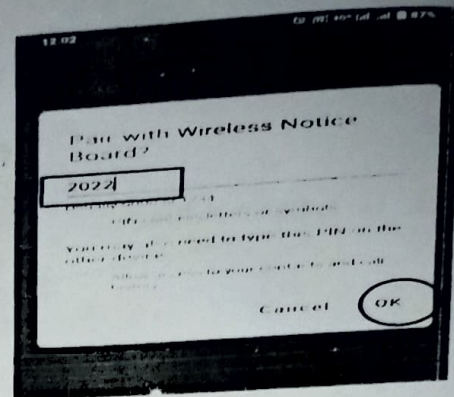
7. Click on Pair New Device for pairing device



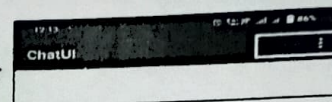
8. Select Wireless Notice Board Bluetooth device and pair it.



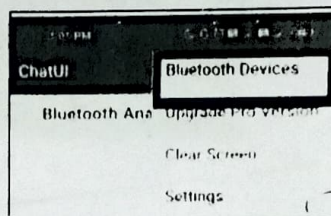
9. Enter the password 2022



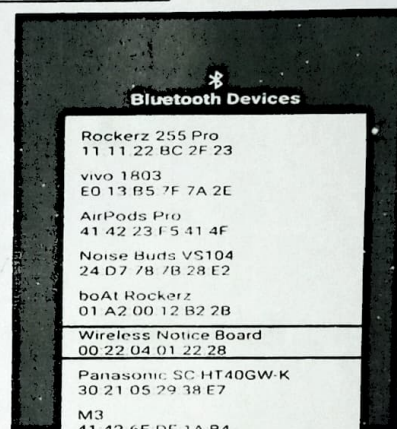
10. Open Bluetooth Terminal App click on
Three Dots right side upward



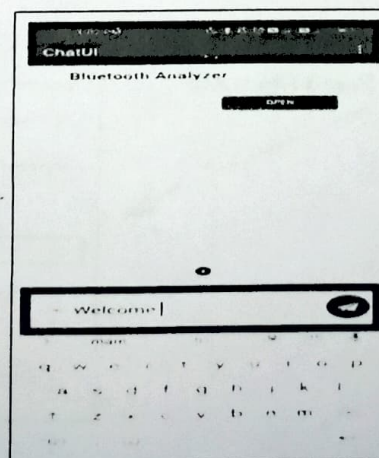
11. Click Bluetooth Devices



12. Click on **Wireless Notice Board**



13. Type your message at the clipboard and press the send button



Wireless Notice Board Using Bluetooth

Electronic Components

- Arduino UNO board
- Bluetooth module (HC-05)
- LED display

Software

- Code is written in C programming
- Arduino IDE is used to upload the code to Arduino board
- The code includes following functionalities
 1. Initializing Bluetooth
 2. Initializing the LED display
 3. Scrolling the message on the display
 4. Reading the message sent from the smartphone via Bluetooth
 5. Displaying the message on the LED display
 6. Clearing the LED display
 7. Adding the ability to change the message on the notice board using push buttons

Bluetooth module Specifications

- Operating Frequency – 2.4 GHZ
- Coverage – upto 100 meters

Cost of Project: Rs 5766/-

Mini Project Group Members

- | | |
|----------------------|-----------------------|
| • Shubham Mhetre | • Vaishnavi Kalburgi |
| • Yogita Mergu | • Bhagyshri Kalshetti |
| • Trupti Kondubhairi | |

Guide : Prof S.S.Dhotre