

OBJECT DISTANCE MEASURING APP

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OVERVIEW

- **App Name:** object distance measuring app by bluetooth(bluetooth terminal hc-05)
- **App Description:** This app will connect to my device by Bluetooth which is connected by atmega328p ic and ultrasonic sensor.
- **Track:** Youth Individual
- **Category:**Education & research



THEME

In 100 words or less, describe the problem that you chose to address, and why you were interested in solving it. Please note that this portion of your submission will be published if you are selected as a finalist or winner.

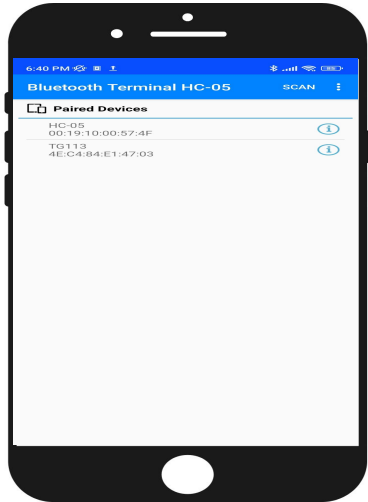
1.Educational Demonstrations: In science and engineering classes, teachers can use your app and device to demonstrate various principles related to distance measurement.(use sound to measure distance)

2.Surveying and Mapping: My technology can be applied in geography and environmental studies. Students and researchers can use it to measure distances between geographical points, create accurate maps, and monitor changes in landscapes over time.

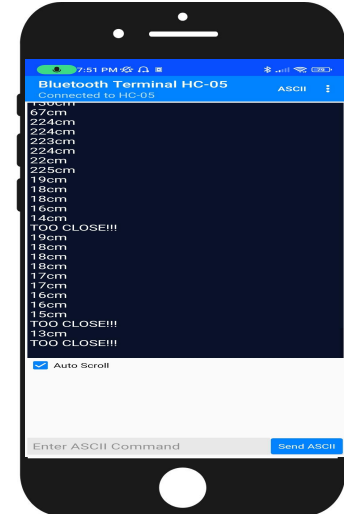


INSTRUCTIONS

Please provide step-by-step instructions for using your app, along with high-quality screenshots of the app. Feel free to add as many slides as needed.



Step 1: select your bluetooth device

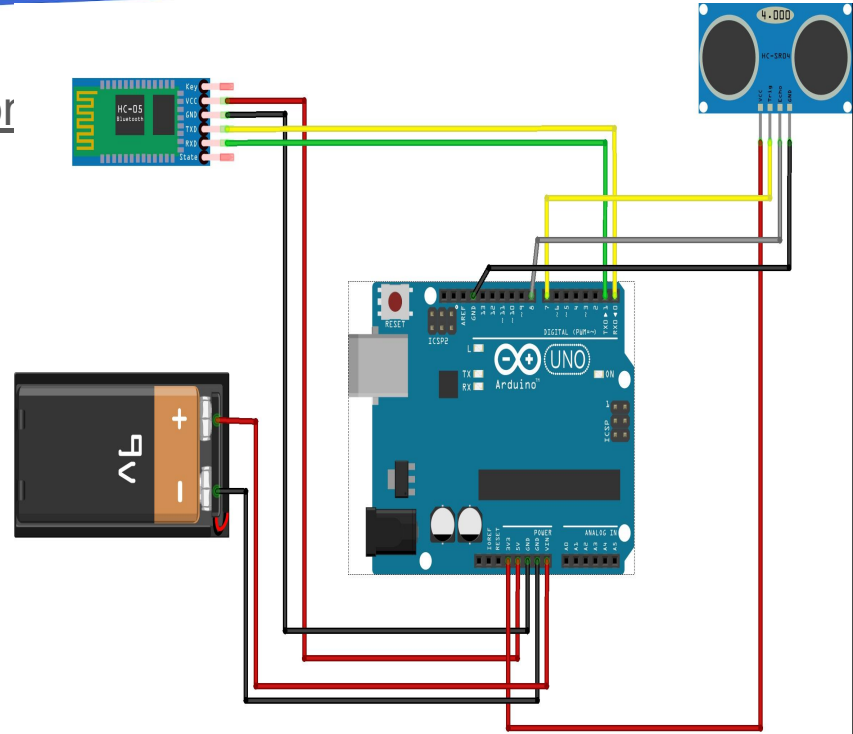
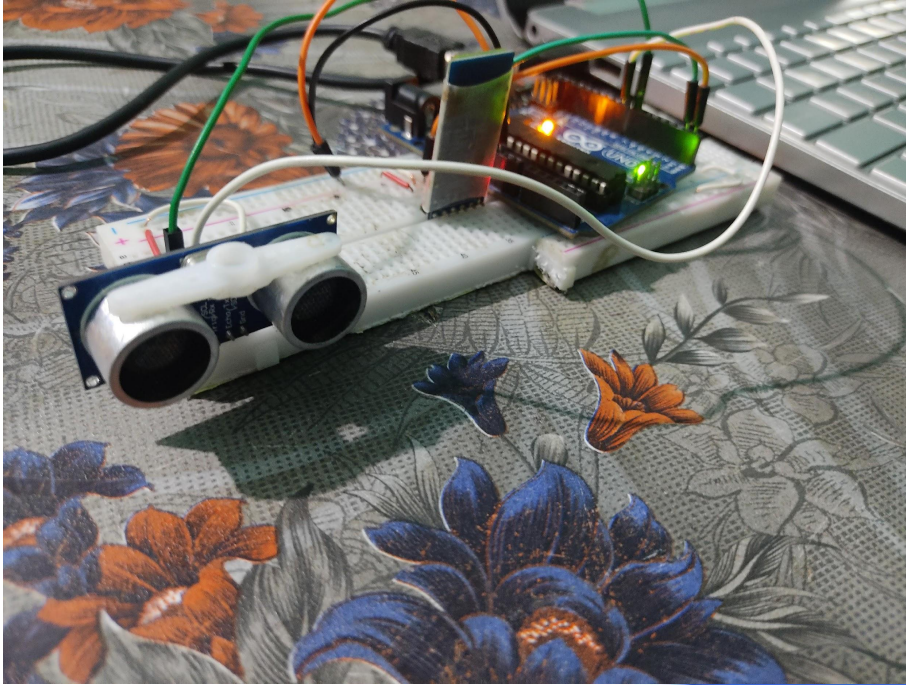


Step 2: you get your distance on screen.



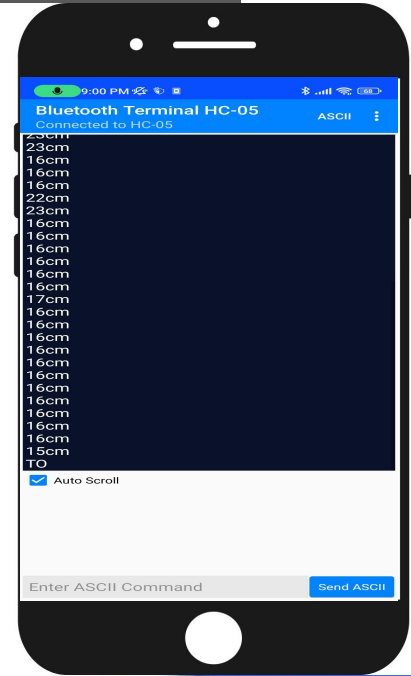
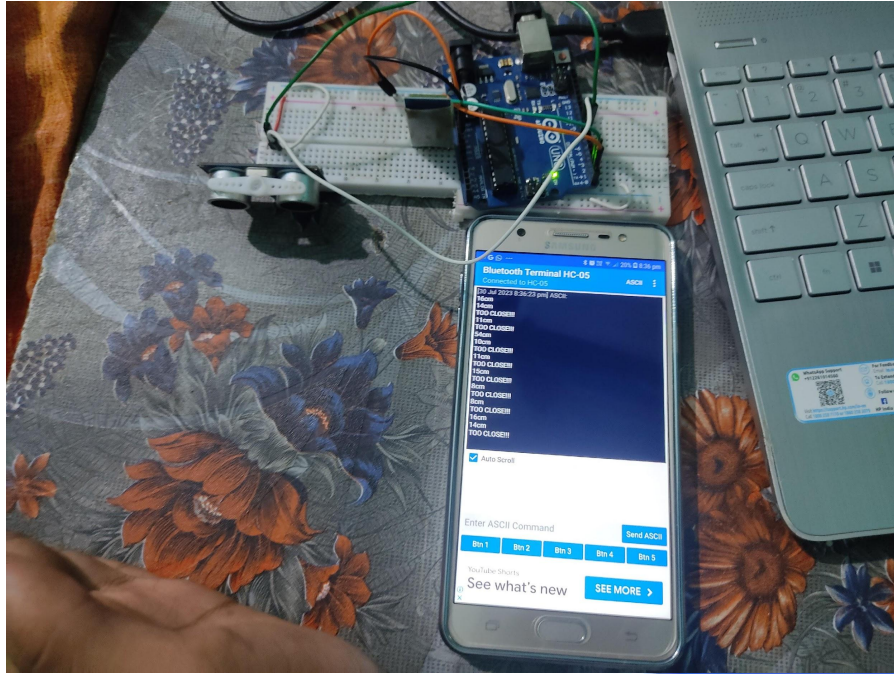
INSTRUCTIONS

- Now we have to see our hardware contraption



INSTRUCTIONS

- After following every step our circuit and work as I wish to use it.



LIMITATIONS

In 50 words or less, describe the limitations of your app and what people should carefully consider when using it.

- This app can only use for a maximum range of 10m , because it runs by using ultrasonic sensor.
- The device cannot work for precise distance measuring.
- You have to take your smartphone near the electronic circuit.



ACKNOWLEDGEMENTS

Please list the names of anyone who helped you with developing your app, and describe what type of help they provided.

- Saurav sir: He help in the circuit coding for Arduino and other hardware
- Tanuj sir: he help me for verification part in my app
- ...

