

Electronics Workshop Report - 6

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Activity 1:

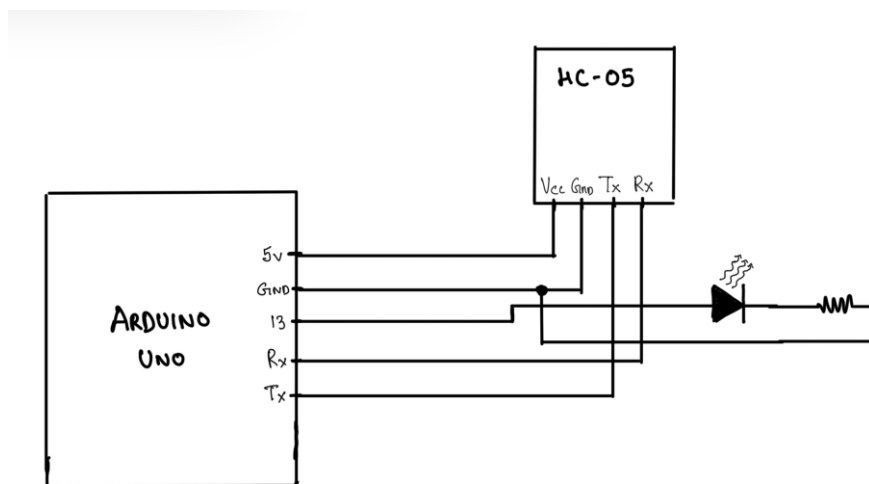
- Objective:

To control an LED with Arduino Uno using an Android app through Bluetooth.

- Components Required:

- Arduino Uno
- Jumper Cables
- LED
- HC-05 Bluetooth Module
- Smartphone

- Circuit Diagram:



[QbGF0Zm9ybSI6IldlYiIsInJlZmVycmFsTW9kZSI6InZpZXciLCJyZWZlcnJhbFZpZ
XciOiJNeUZpbGVzTGlua0NvcHkifX0&e=sAdQyj](https://www.scribd.com/document/451111111/Arduino-Bluetooth-Module-Connection-Diagram)

- Conclusion:

An LED has been successfully controlled using Bluetooth.

Activity 2:

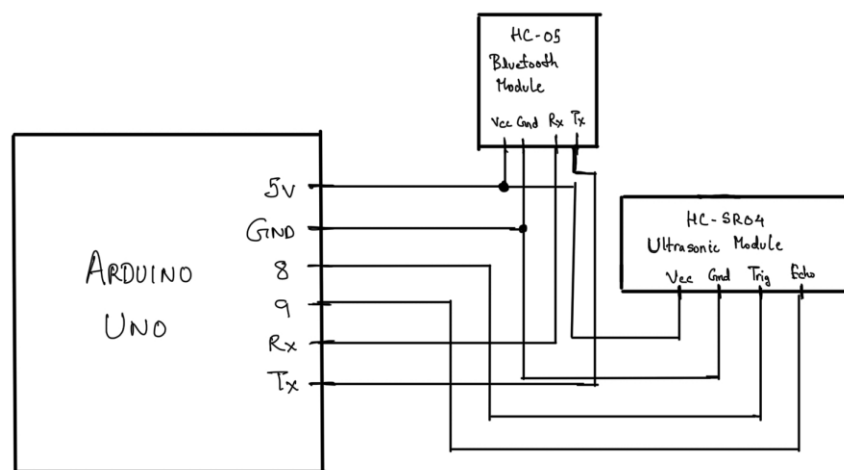
- Objective:

To display sensor values on Android using MIT App Inventor through Bluetooth.

- Component Required:

- Arduino Uno
- HC-05 Bluetooth Module
- HC-SR04 Ultrasonic Sensor
- Jumper Cables
- Smartphone

- Circuit Diagram:



bGF0Zm9ybSI6IldlYiIsInJlZmVycmFsTW9kZSI6InZpZXciLCJyZWZlcnJhbFZpZXciOiJNeUZpbGVzTGlua0NvcHkifX0&e=JH1nrt

- Conclusion:

Sensor data has been successfully read and transmitted using Bluetooth.