

Voice-Based-Home-Automation-System

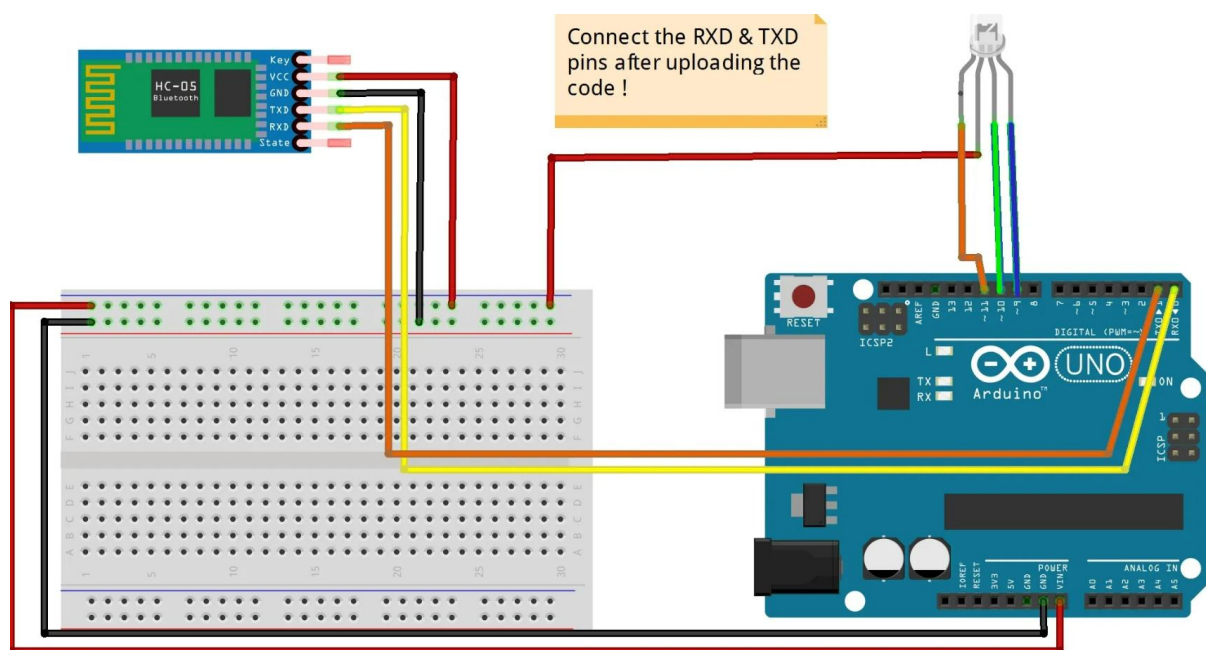
Aim:

To develop a voice-based home automation system using **Arduino UNO**.

Requirements:

- Arduino UNO board
- Breadboard
- Jumpers/single stranded wires
- RGB led
- Bluetooth module HC-05
- Android

Circuit Diagram:



Procedure:

- i. Connections Of Bluetooth module HC05 to Arduino:
 - VCC – to VCC of Arduino.
 - GND – to GND of Arduino.
 - RX – to digital pin 0(TX pin) of Arduino.
 - TX – to digital pin 1(RX pin) of Arduino. (Connect RX & TX pin after uploading the code)
- ii. Connections Of LED to Arduino:
 - Longest terminal (2) – VCC
 - Terminal 1 – Pin 9
 - Terminal 3 – Pin 10
 - Terminal 4 – Pin 11
- iii. Download the application called BT Voice Control/AMR Voice.
- iv. Open the application AMR Voice application (It will consequently turn on the gadget's Bluetooth). Go to choices. Click on "Associate with Robot". Pick the gadget - HC 05.
- v. At the point when you are associating with the Bluetooth module interestingly, it will ask you the secret word. Enter 0000 OR 1234.
- vi. At the point when the gadget gets effectively matched with the sensor, the Drove lights on sensor will begin squinting at a slower rate than expected.
- vii. The project will run successfully.