MINI PROJECT-2 (QUARANTINE EDITION)

ROOM MONITORING SYSTEM:

INTRODUCTION:

- In this project I have created a room monitoring system to sense the temperature and humidity of my room. In the current pandemic situation, I want to continue doing these mini-projects with whatever limited resources (hardware) available. Doing this, keeps me in touch with my passion and helps me stay calm and productive.
- During the times of corona virus, it is extremely important to keep the temperature of your room at the right level and hence, I have developed this compact and efficient model to keep a track of my room conditions at all times, by just opening an app in my phone.
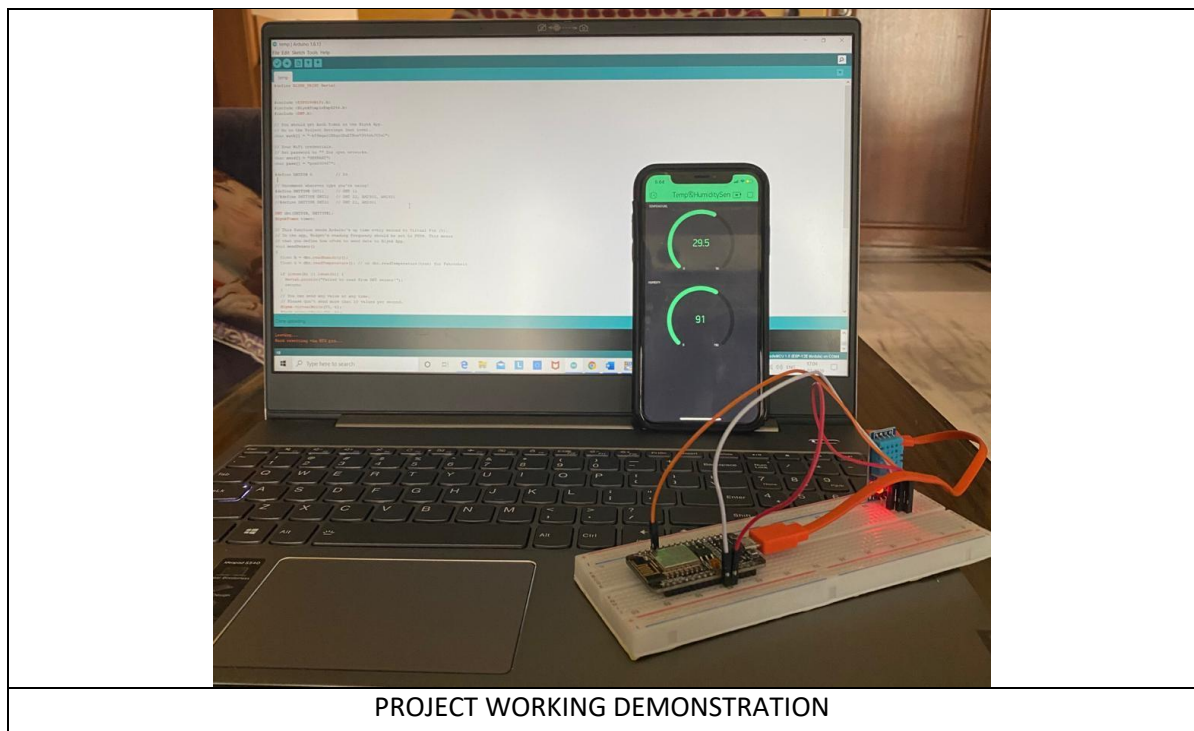
MATERIALS REQUIRED:

- ESP8266 (NodeMCU)
- Breadboard
- Jumper Wires
- DHT11 Sensor
- Blynk IoT app

PROCEDURE:

- I interfaced the ESP8266 with the DHT11 sensor and started writing the general code.
- After a few tries and getting the basic code right, the code was checked and verified.
- I set up the Blynk IoT app and set the appropriate measures. After receiving the authentication code and pasting it in the code, it was ready!
- Upload the code and the project is ready.

IMAGES RELATED TO THE PROJECT:

PROJECT WORKING DEMONSTRATION

BLYNK IOT APP SHOWING TEMP & HUMIDITY	BLYNK IOT APP SHOWING CHANGING REAL-TIME VALUES