## **Project Purpose**

 The primary purpose of this project is to publish the sensor data to ThingSpeak using MQTT Protocol.

## **Experiment**

To publish the data of Two Sensors in ThingSpeak using MQTT:

- In this experiment, two sensors viz., Water Level Sensor (RKI 2350) & DHT11 sensors are interfaced with the esp8266.
- The data from these two sensors, i.e. Water Level & Humidity is published on ThingSpeak Server using MQTT.

## Screen Grab of the Implementation

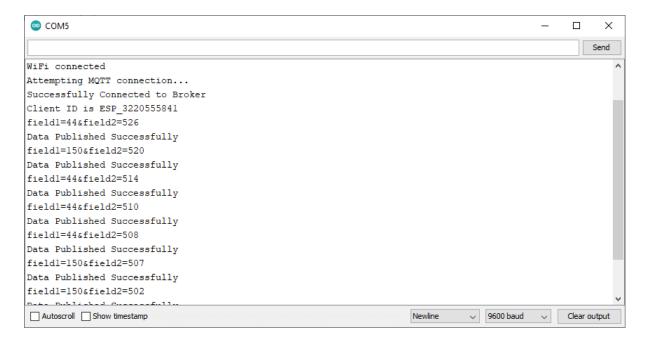
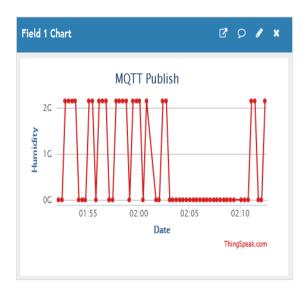


Figure 1 Output verified in Serial Monitor



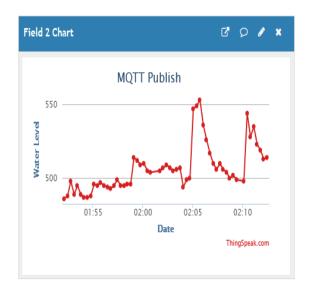


Figure 2 Output Verified in ThingSpeak .

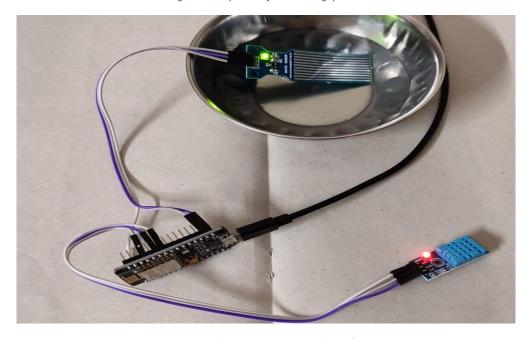


Figure 3 Hardware connections and Interfacing

**GitHub upload:** <u>GitHub - sriharshakns/IIITH-Research-Internship-2021-K-N-S-Sri-Harsha</u>

This contains my Video Implementation, Documentation & Code for all goals.