

## IoT - Python(Collection) Assignment - 10

1. Write a ESP32 program to connect it with Wi-Fi.
2. Create HTTP client to post temperature and humidity to the server using ESP32.
3. Create MQTT publisher to post temperature and humidity using ESP32.
4. Create MQTT subscriber to control(ON/OFF) LED using ESP32.
5. Create a python flask server to store moisture level into a table which is created earlier.
  - table has fields Sensor ID, Moisture level, Date and Time
  - if moisture level is below a threshold value inform using MQTT.