**PUBLISH DATA TO THE IBM CLOUD**

|  |  |
| --- | --- |
| **Team ID** | PNT2022TMID43096 |
| **Project Name** | GAS LEAKAGE MONITORING AND ALERTING SYSTEM  FOR INDUSTRIES |

**PYTHON CODE**

#IBM Watson IOT Platform

#pip install wiotp-sdk import wiotp.sdk.device import time import random myConfig = {

"identity": {

"orgId": "wpf8mr",

"typeId": "ESP32",

"deviceId":"GAS\_LEAKAGE\_MONITOR"

},

"auth": {

"token": "0123456789"

}

}

def myCommandCallback(cmd):

print("Message received from IBM IoT Platform: %s" % cmd.data['command']) m=cmd.data['command'] client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None) client.connect() while True:

temp=random.randint(-20,125) hum=random.randint(0,100) myData={'temperature':temp, 'humidity':hum} client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None) print("Published data Successfully: %s", myData) client.commandCallback = myCommandCallback time.sleep(2) client.disconnect()