**PYTHON CODE TO PUBLISH DATA TO IBM CLOUD**

|  |  |
| --- | --- |
| **TEAM ID** | PNT2022TMID29999 |
| **PROJECT NAME** | GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES |

#IBM Watson IOT Platform

#pip install wiotp-sdk import wiotp.sdk.device

import time

import random

myConfig =

{ "identity": {

"orgId": "yf0dyy ",

"typeId": "Kumaran ",

"deviceId":"12345"

}, "auth": {

"token": "VJTDPRX@f&4Vuox8ms "

}

} 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:**

gas=random.randint(0,100)

temp=random.randint(0,100)

hum=random.randint(0,100)

pre=random.randint(0,100)

myData={'Hazardous Gas':gas, 'Temperature':temp, 'Humidity':hum

'Pressure':pre }

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()