|  |  |
| --- | --- |
| Date 3 NOVEMBER 2022  Team ID | 3 NOVEMBER 2022 |
| Team ID | PNT2022TMID44629 |
| 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)

PNT2022TMID05250

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()