PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

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| Team ID | PNT2022TMID13490 |
| Project Name | GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES |

PYTHON CODE

#IBM Watson IOT Platform import wiotp.sdk.device import time import random myConfig = { "identity": {

"orgId": "yf0dyy ",

"typeId": "Faraaz ",

"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()

OUTPUT:



