GAS LEAKAGE MONITORING&ALERTING SYSTEM FOR INDUSTRIES

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

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| **TITLE** | GAS LEAKAGE MONITORING&ALERTING SYSTEM FOR INDUSTRIES |
| **DOMAIN NAME** | INTERNET OF THINGS |
| **TEAM ID** | PNT2022TMID17483 |

#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, on Publish=None)

print("Published data Successfully: %s", myData) client.commandCallback = my Command Call backtime.sleep(2)

client.disconnect()