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| 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

import ibmiotf.device

import time

import random

myConfig = { "identity": { "orgId": "z2nb9k ", " typeId": "raspberypi",

"deviceId":"123"

},"auth": { "token": "1234567890"

}

}

#initialise GPIO

def myCommandCallback(cmd):

print ("Message received from IBM IoT Platform: %s" % cmd.data['command'])

m=cmd.data['command']

client = ibmiotf.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 }

def ClientpublishEvent(cmd):

Client.publishEvent(eventId="status", msgFormat="json", data="myData", qos="0", Publish="None")

print("Published data Successfully: %s", myData)

client.commandCallback = mycommandcallbacktime.sleep(2)

client.disconnect()

