SPRINT-2

DATE	17 NOVEMBER 2022
TEAM ID	PNT2022TMID40922
PROJECT NAME	HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANT POWERED BY IoT

PYTHON CODE :

```
#IBM Watson IOT Platform

#pip install wiotp-sdk

import wiotp.sdk.device

import time

import random

myConfig = {"identity":

 {

  "orgId": "aqudbz",

  "typeId": "NodeMCU",

  "deviceId":"12345" },

  "auth": { "token": "EON8Q6-UN@GTJ&zH-Q" }

}

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:
 temp=random.randint(-20,125)
 hum=random.randint(0,100)
 myData={'temperature':temp, 'humidity':hum}
 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 :