## **DEVELOP THE PYTHON CODE**

**DOMAIN-** IOT

**PROJECT TITLE-** Gas Leaking Monitoring And Alerting System For Industries

**TEAM ID- PNT2022TMID15954** 

## **TEAM MEMBERS-**

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## **PYTHON CODE:**

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk
import time
import random
myConfig = {
  "identity": {
    "orgId": "mz6rat",
    "typeId": "ESP8266",
    "deviceId":"12345"
  },
  "auth": {
    "token": "123456789"
  }
}
def myCommandCallback(cmd):
```

```
print("Message received from IBM IoT Platform: %s" %
cmd.data['command'])
  m=cmd.data['command']
string=""
client = wiotp.sdk.device.DeviceClient(config=myConfig,
logHandlers=None)
client.connect()
while True:
  temp=random.randint(0,100)
  if temp>80:
    string="Leakage detected Level ="+str(temp)
  else:
    string="No Leakage detected Level ="+str(temp)
  myData={"Status":string}
  client.publishEvent(eventId="status", msgFormat="json",
data=myData, qos=0, onPublish=None)
  print("Published data Successfully: %s", myData)
  client.commandCallback = myCommandCallback
  time.sleep(5)
client.disconnect()
```

## **OUTPUT:**

