

DEVELOP THE PYTHON SCRIPT

Date	10 November 2022
Team ID	PNT2022TMID20612
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT

We are getting temperature and heart rate of worker as input through the beacon scanner (python code)

Program

```
import wiotp.sdk.device

import time

import random

myConfig = {
    "identity": {
        "orgId": "6yafic",
        "typeId": "Sprint1",
        "deviceId": "SprintID"
    },
    "auth": {
        "token": "sW(iQhEK*t)4!jgrjD"
    }
}

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(0,50)
    heart=random.randint(60,100)
    myData={'temperature':temp, 'heartrate':heart}
    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()
```