Project Deveopment Phase Sprint 1

Date	31 October 2022
Team ID	PNT2022TMID30240
Project Name	Hazardous Area Monitoring for Industrial Plant
	powered by IoT

In this sprint, we are getting temperature and heart beat as input from the python program which is consider to get the input from the workers through beacon scanners.

Solution:

```
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(2)
client.disconnect()
```

Data gathering from beacon scanner (using python)

```
Sprint1.py - C:\Users\user\Desktop\Arvin\Sprint1.py (3.7.0)
                                                                                                                      *Python 3.7.0 Shell*
                                                                                                                                                                                                                П
File Edit Format Run Options Window Help
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Python 3.7.0 (v3.7.0:lbf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit
 import wiotp.sdk.device import time
        random
                                                                                                                      4)] on win32
                                                                                                                     Type "copyright", "credits" or "license()" for more information.
myConfig = {
      "identity": {
    "orgId": "6yafic",
    "typeId": "Sprintl",
    "deviceId": "SprintID"
                                                                                                                     == RESTART: C:\Users\user\Desktop\Arvin\Sprintl.py =
     },
"auth": {
           "token": "sW(iQhEK*t)4!jgrjD"
def mvCommandCallback(cmd):
                                ed from IBM IoT Platform: %s" % cmd.data['command'])
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
     temp=random.randint(0,50)
heart=random.randint(60,100)
     heart-random.randint(80,100)
myData=('temperature':temp, 'heartrate':heart)
client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=No
nrint("Published data Successfully: %s", myData)
client.disconnect()
▲ 🔄 🖫 Ф») 3:10 PM
```

Uploaded data in Cloud from from beacon scanner

