DEVELOP A PYTHON SCRIPT

Team ID	PNT2022TMID19493
Project Name	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

PROGRAM :

```
import wiotp.sdk.device
import  time  import  os
import datetime import
random myConfig = {
"identity": {
"orgId": "hjSfmy",
"typeId": "Devicelk",
"deviceId": "67890"
},
"auth": {
"token": "87654321"
} }
client = wiotp.sdk.device.DeviceClient (config=myConfig,
logHandlers=None) client.connect () def
myCommandCallback (cmd) :
print ("Message received from IBM IoT Platform: %s" %
cmd.data['command']) m=cmd.data['command'] if
(m=="motoron"):
print ("Motor is switched on") elif (m=="motoroff"):
print ("Motor is switched OFF")
print (" ") while
True:
soil=random.ra
ndint       (0,100)
temp=random.randi
nt     (-20,
125) hum=random.r
andint (0, 100)
myData={'soil
moisture': soil,
```

```
'temperature':te mp,
'humidity':hum }
client.publishE vent
(eventId="statu
s",
msgFormat="js
on",
data=myData, qos=0 , onPublish=None) print ("Published
data Successfully: %s", myData) time.sleep (2)
client.commandCallback = myCommandCallback
client.disconnect ()
```