DEVELOP A PYTHON SCRIPT TO PUBLISH AND SUBSRIBETO IBM IOT PLATFORM

|  |  |
| --- | --- |
| Date | 19 November 2022 |
| Team ID | PNT2022TMID38167 |
| Project Name | SMARTFARMER – IoT ENABLED SMARTFARMING APPLICATION |

M :

import wiotp.sdk.device import time import os

import datetime import random myConfig = { "identity": {

"orgId": "m5ttid",

"typeId": "Devicel", "deviceId": "12345"

},

"auth": {

"token": "12345678"

}

}

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['comman

d']if (m=="motoron"): print ("Motor is switched on")elif (m=="motoroff"): print ("Motor is switched OFF")print (" ")

while True:

soil=random.randint (0,100)

temp=random.randint (-20, 125)

hum=random.randint (0, 100)

myData={'soil moisture': soil, 'temperature':temp, 'humidity':hum} client.publishEvent (eventId="status", msgFormat="json", data=myData, qos=0 , onPublish=None)

print ("Published data Successfully: %s", myData)time.sleep (2) client.commandCallback = myCommandCallbackclient.disconnect ()