

**DEVELOP A PYTHON SCRIPT TO PUBLISH  
AND SUBSCRIBE  
TO IBM IOT PLATFORM**

Team ID	PNT2022TMID12813
Project Name	Project – Smart Farmer-IoT Enabled smart Farming Application

**Program:**

```
import wiotp.sdk.device
import time import os
import datetime import
random myConfig = {
"identity": { }, "auth": {
} } client =
wiotp.sdk.device.Devic
eClient
(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: 06 November
2022
PNT2022TMID09636
"orgId": "m5ttid",
"typeId": "Device1",
"deviceId": "12345"
"token": "12345678"
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.commandCallbac
k =
myCommandCallback
client.disconnect ()
```