Develop a Python Script

Date	11 November 2022
TEAM ID	PNT2022TMID45497
Project Name	IoT Based smart crop Protection system for agriculture

Task – Develop a Python Script

```python
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)
```

```python
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.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 = myCommandCallback
client.disconnect ()
```