ARUNAI ENGINEERING COLLEGE

DEVELOP A PYTHON SCRIPT TO PUBLISH AND SUBSCRIBETO IBM IOT PLATFORM

PROGRAM :

```
import wiotp.sdk.device
import time
import os import
datetimeimport
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.randint (0,100)
temp=random.randint (-20, 125)
```

```python
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 ()
```