

## SPRINT 1

<b>TEAM ID</b>	PNT2022TMID018062
<b>PROJECT NAME</b>	Smart Farmer - IoT Enabled Smart Farming Application
<b>Date</b>	29 October 2022

### Python code:

```
import wiotp.sdk.device
import time import os
import random
myconfig = {
    "identity": {
        "orgId":"3lnltf",
        "typeId":"NodeMCU",
        "deviceId":"12345"
    },
    "auth":{
        "token":"12345678"
    } }
client = wiotp.sdk.device.DeviceClient(config=myconfig,
logHandlers=None)
client.connect()

def myCommandCallback(cmd):
    print("Messure recived from IBM ToT Platform: %s" %
cmd.data['command'])
    m=cmd.data['command'] if(m=="Motor
is switched on"): print("Motoris
```

```

switched on" elif(m=="motoroff"):
print("Motor is switched OFF")
print("")
while True:
    soil=random.randint(22, 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()

```