

Smart Farmer-IOT Enabled Smart Farming Application

TITLE	Smart Farmer-IOT Enabled Smart Farming Application
DOMAIN NAME	INTERNET OF THINGS
TEAM ID	PNT2022TMID21357

CODE:

```
import wiotp.sdk.device
import time
import os
import datetime
import random myConfig = {
"identity": {
"orgId": "m5ttid", "typeId": "Device1", "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['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.publishE vent (eventId="status", msgFormat="js on",  
data=myData, qos=0 , onPublish=None) print ("Published data  
Successfully: %s", myData) time.sleep (2)  
client.commandCallback = myCommandCallback  
client.disconnect ()
```