S.A ENGINEERING COLLEGE

TEAM ID :PNT2022TMID54115

SMARTFARMER.PY - C:\Users\Priya\AppData\Local\Programs\Python\Python311\SMARTFARMER.PY (3.11.0)

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```
import wiotp.sdk.device
import time
import os
import datetime
import random
myConfig = {
    "identity": {
        "orgId": "ck2tfo",
        "typeId": "NodeMLIC",
        "deviceId": "1234"
    },
    "auth" : {
        "token" : "87654321"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myconfig,logHandlers=None)
cilent,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)
    print("published data  sucessfully:%s",myData)
    time.sleep(2)
    client.commandCallback = myCommandCallback
client.disconnect()
```