ER. PERUMAL MANIMEKALAI COLLEGE OF ENGINEERING

TOPIC: SMART FARMERS USING IOT

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Python script to publish to IBM IOT platform:

```python
import wiotp.sdk. device

import time

import os

import datetime

import random

myConfig={

    "identity": {

        "orgId": "inkade",

        "typeId": "Device2",

        "deviceId": "12345"

    },

    "auth":{

        "token": "09876543"

    }

}

client= wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)

client.connect()

def myCommandCallback(cmd):
```

```python
    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 (event Id="status", msgFormat="json", data=myData,qos=0,onpublish=None)
    print("Published data successfully: %s", myData)
    time.sleep (2)
    client. commandCallback= myCommandCallback
    client.disconnect()
```