|  |  |
| --- | --- |
| Team ID | PNT2022TMID41951 |
| Project Name | SmartFarmer-IOT Enabled Smart  Farming Application |

### A PYTHON SCRIPT

### 

### PROGRAM CODE: import wiotp.sdk.device import time import random myConfig = { "identity": { "orgId": "5myh1a", "typeId": "iot\_device", "deviceId":"12344321" }, "auth": { "token": "9894976519" } } client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None) client.connect() def myCommandCallback (cmd): print ("Message received from IBM loT Platform: %s" % cmd.datal['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 , onPublish=None) print ("Published data Successfully: %s",myData) time.sleep(2) client.commandCallback = myCommandCallback client.disconnect ()

### OUTPUT

### 

