DEVELOP A PYTHON SCRIPT

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| Team ID | PNT2022TMID50823 |
| Project Name | IOT Based Smart Crop Protection For Agriculture |

import wiotp.sdk.device import time import random

myConfig={

"identity": {

"orgId": "cvjs58",

"typeId": "abi",

"deviceId":"123456789"},

"auth": {

"token": "622519104001"

}}

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(" ")

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None) client.connect() while True:

temp=random.randint(-20,125) hum=random.randint(0,100) moist=random.randint(0,14) animal=random.randint(0,1) if(animal>0.5):

an="animal is present" else:

an="animal is not present"

myData={'temperature':temp, 'humidity':hum, 'Moisture':moist,"animal status":an} client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None) print("Published data Successfully: %s", myData) client.commandCallback = myCommandCallback time.sleep(2)

client.disconnect()



