**SPRINT 1**

| **TEAM ID** | PNT2022TMID15210 |
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| **PROJECT NAME** | Smart Farmer - IoT Enabled Smart Farming  Application |
| **Date** | 29 October 2022 |

Python code:

import wiotp.sdk.device

import time

import os

import random

myconfig = {

"identity": {

"orgId":"3lnltf",

"typeId":"NodeMCU",

"deviceId":"12345"

},

"auth":{

"token":"12345678"

}

}

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

client.connect()

def myCommandCallback(cmd):

print("Messure recived from IBM ToT Platform: %s" % cmd.data['command'])

m=cmd.data['command']

if(m=="Motor is switched on"):

print("Motoris switched on"

elif(m=="motoroff"):

print("Motor is switched OFF")

print("")

while True:

soil=random.randint(22, 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()