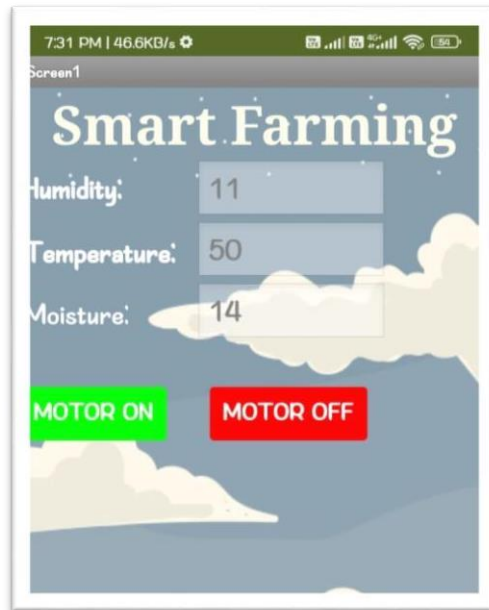


Sprint II Report

Date	4 November 2022
Team ID	PNT2022TMID22889
Project Name	SmartFarmer – IoT Enabled Smart Farming Application

Application



Cloudand Response:

```
srcode.py - C:\Users\Sathish\Desktop\IBM\srcode.py (3.9.6)
File Edit Shell Debug Options Window Help
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "mlldg0",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678907654321"
    }
}

def myCommandCallback(cmd):
    print("Message received from IBM IoT platform: %s" % cmd.data['command'])
    r=cmd.data['command']
    if(r=="motoron"):
        print("Motor is switched on")
    elif(r=="motoroff"):
        print("Motor is switched off")
    print(r)

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(0,100)
    myData={"Temperature":temp, 'Humidity':hum, 'Moisture':moist }
    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()
```

Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== REQUEST: C:\Users\Sathish\Desktop\IBM\srcode.py =====
2021-11-03 21:36:10.786 wiotp.sdk.device.client.deviceclient INFO Connected successfully: dimldg0:NodeMCU:12345
Published data Successfully: %s ('Temperature': -11, 'Humidity': 42, 'Moisture': 81)
Published data Successfully: %s ('Temperature': 57, 'Humidity': 8, 'Moisture': 76)
Published data Successfully: %s ('Temperature': 53, 'Humidity': 1, 'Moisture': 72)

IBM

IBM Project-35205-1660282688

Service Details - IBM Cloud

IBM Watson IoT Platform

3p5pxinternetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

73291Recr122@smartinternz.com

IoT-3p5px

Browse

Action

Device Types

Interfaces

Add Device

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
12345	Connected	NodeMCU	Device	Oct 28, 2022 10:06 AM	

Identity

Device Information

Recent Events

State

Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
status	{"Temperature":57,"Humidity":79,"Moisture":20}	json	a few seconds ago
status	{"Temperature":62,"Humidity":41,"Moisture":66}	json	a few seconds ago
status	{"Temperature":-16,"Humidity":93,"Moisture":26}	json	a few seconds ago
status	{"Temperature":-6,"Humidity":39,"Moisture":35}	json	a few seconds ago

Type here to search

21:38 03-11-2022