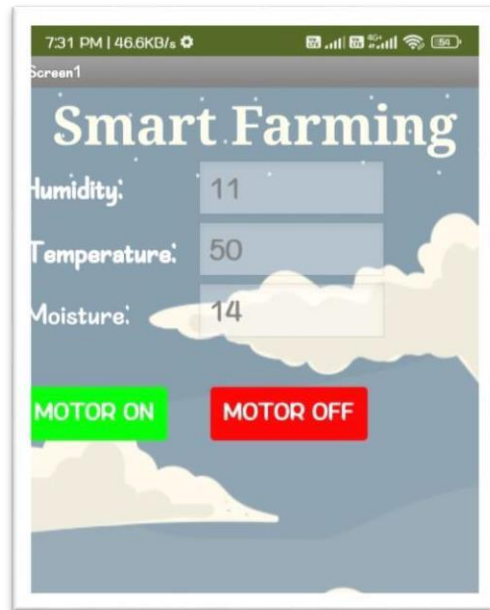
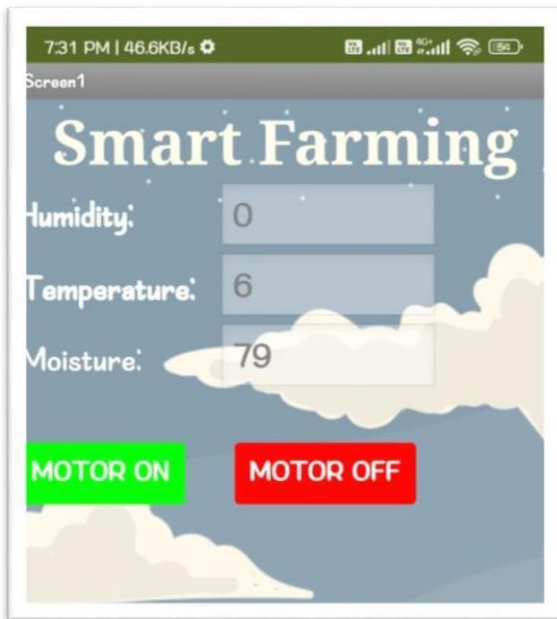


Sprint II Report

Date	5 November 2022
Team ID	PNT2022TMID19088
Project Name	SmartFarmer – IoT Enabled Smart Farming Application

Application



Cloud and Response:

```
srccode.py - C:\Users\Sathish\Desktop\IBM\srccode.py (39.6)
File Edit Format Run Options Window Help
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "dmldq0",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678907654321"
    }
}

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=="motroff"):
        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(0,100)
    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()

===== RESTART: C:\Users\Sathish\Desktop\IBM\srccode.py =====
2022-11-03 21:36:10,796 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: dmldq0:NodeMCU:12345
Published data Successfully: %s {'Temperature': -11, 'Humidity': 42, 'Moisture': 81}
Published data Successfully: %s {'Temperature': 57, 'Humidity': 9, 'Moisture': 74}
Published data Successfully: %s {'Temperature': 53, 'Humidity': 1, 'Moisture': 72}
```

IBM

IBM Project-35205-1660202680

Service Details - IBM Cloud

IBM Watson IoT Platform

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

GmailMapsClassesGoogle MeetFeed | DooderFlipkartSathishkumar E | U...Google FormsInstagramYouTubeOther bookmarks

IBM Watson IoT Platform

732919ecr122@smartinternz.com
ID: 3jnspx

BrowseActionDevice TypesInterfaces

Stalyn

Device TypeClass ID

DNcrptdMI Location

10

ServerID

RecentEwnu

X

OeYkehOfiNlloIt

RecentEwnu

X

The nCrptdMI Location of data th-II is comingafid grnngthom tuff CHYice.

["Temperature":57,"humidity":79,"Moisture":20],son,a few seconds ago

["Temperature":62,"humidity":41,"Moisture":66],OFF,"seconds ago

["Temperature":16,"humidity":93,"Moisture":26],afewseconds ago

["Temperature":39,"humidity":35],son,a few seconds ago