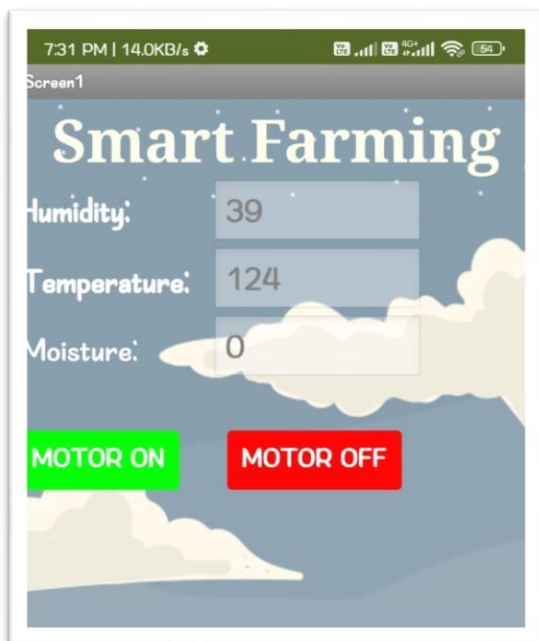
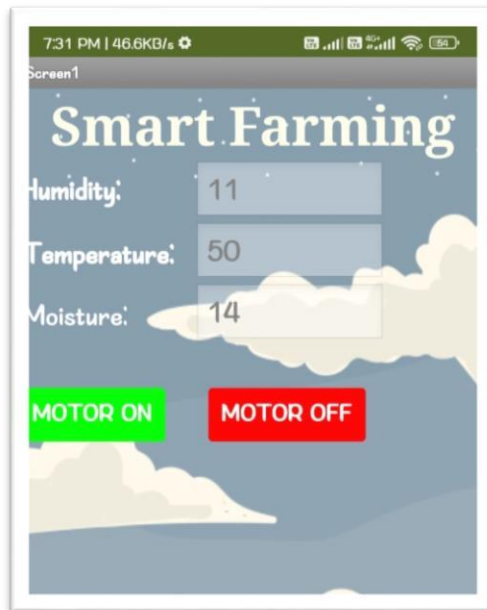
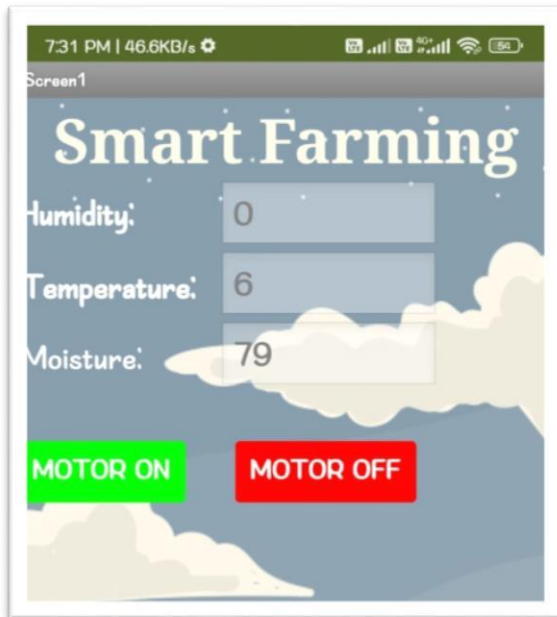


Sprint II Report

Date	3 November 2022
Team ID	PNT2022TMID22873
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 Format Run Options Window Help
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "mlldq0",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678907654321"
    }
}

def myCommandCallback(cmd):
    print("Message received from IBM IoT platform: %s" % cmd.data['command'])
    cmd.data['command']
    if (cmd=="motoron"):
        print("Motor is switched on")
    elif (cmd=="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(0,100)
    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()
```

```
"IDLE Shell 3.9.6"
File Edit Shell Debug Options Window Help
Python 3.9.6 (tags/v3.9.6:40b27f6, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\Sathish\Desktop\IBM\srcode.py =====
2022-11-03 21:36:10,794 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: dmlldq0:NodeMCU:12345
Published data Successfully: %s {'Temperature': -11, 'Humidity': 42, 'Moisture': 81}
Published data Successfully: %s {'Temperature': 57, 'Humidity': 9, 'Moisture': 76}
Published data Successfully: %s {'Temperature': 53, 'Humidity': 1, 'Moisture': 72}
```

