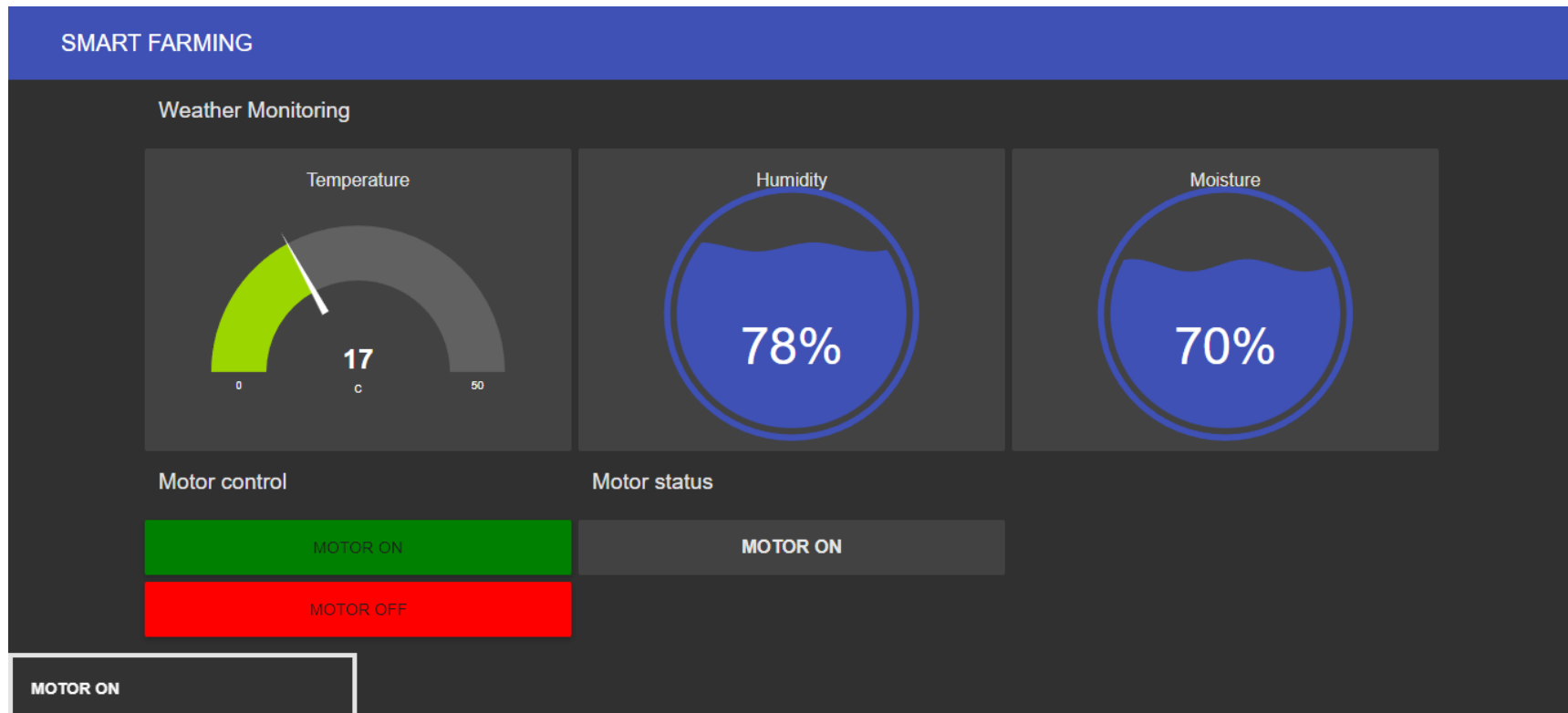


Project Development Phase Sprint-4

Date	17 November 2022
Team ID	PNT2022TMID30270
Project Name	SmartFarmer - IoT Enabled Smart Farming Application

Web UI:

In web UI ,user can monitor the parameter of the field and control the irrigating motors from remote location. In web ui the user also can monitor the status of the motor.



SMART FARMING

Weather Monitoring



Motor control

MOTOR ON

MOTOR OFF

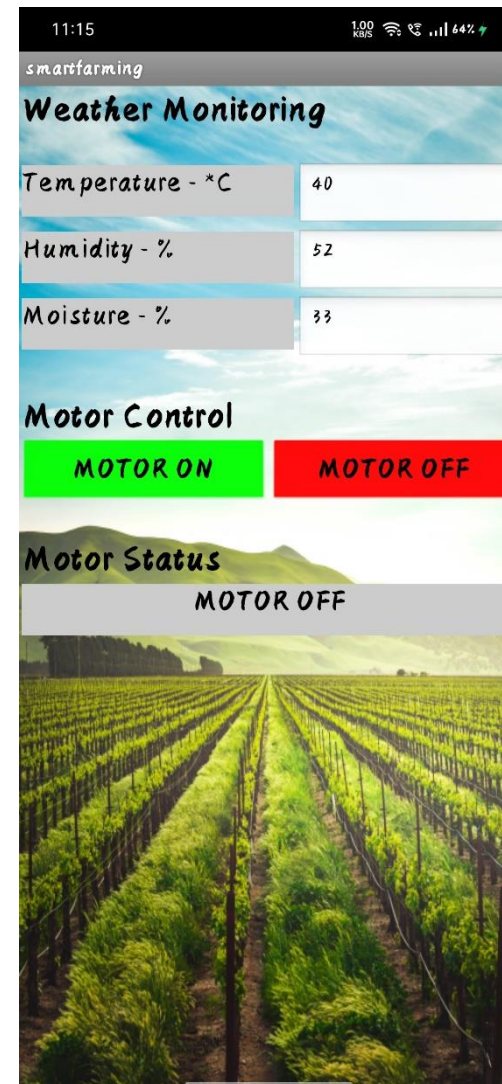
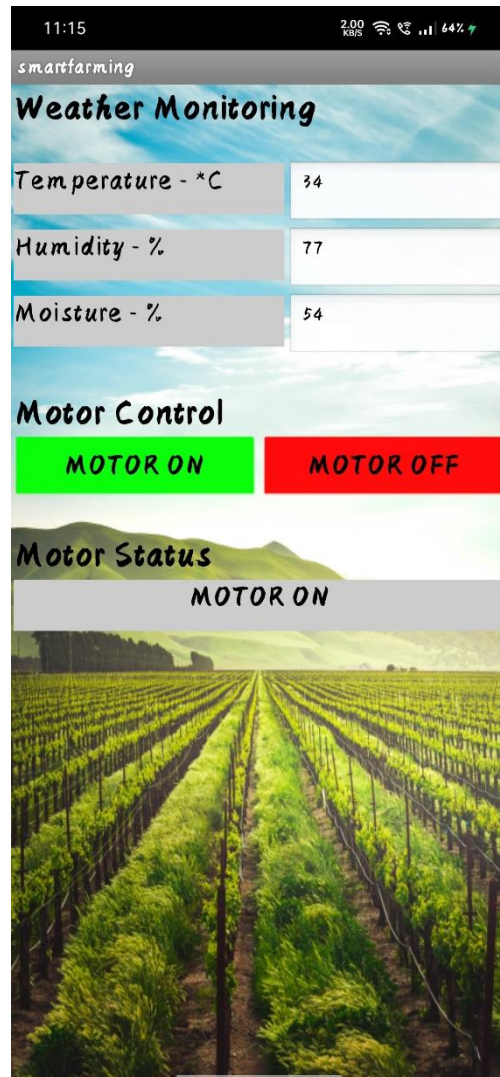
Motor status

MOTOR OFF

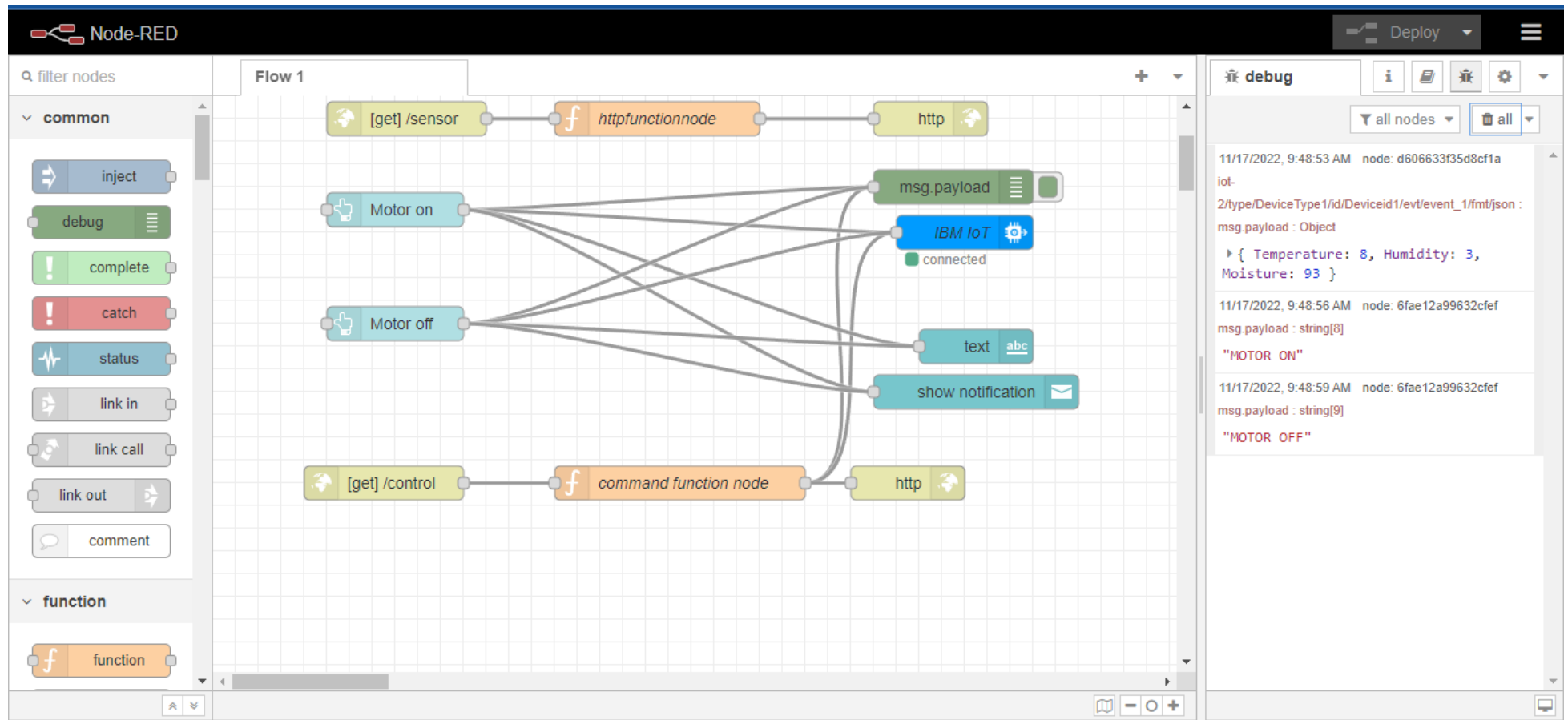
MOTOR OFF

Mobile App:

In Mobile application ,user can monitor the parameter of the field and control the irrigating motors from remote location. In Mobile application the user also can monitor the status of the motor.



Control of motor:



Controls in python code:

```
...
===== RESTART: E:\ibm code\ibmiotpublishsubscribe.py =====
2022-11-16 22:15:20,657  ibmiotf.device.Client      INFO    Connected successfully: d:hztfgw:DeviceType1:Deviceid1
Published Temperature = 39 C Moisture= 6 Humidity = 16 % to IBM Watson
Published Temperature = 32 C Moisture= 7 Humidity = 43 % to IBM Watson
Message received from Ibm IOT Platform: motor off
motor is off

Published Temperature = 32 C Moisture= 98 Humidity = 92 % to IBM Watson
Published Temperature = 41 C Moisture= 53 Humidity = 22 % to IBM Watson
Published Temperature = 22 C Moisture= 36 Humidity = 79 % to IBM Watson
Published Temperature = 36 C Moisture= 82 Humidity = 26 % to IBM Watson
Published Temperature = 21 C Moisture= 29 Humidity = 10 % to IBM Watson
Published Temperature = 17 C Moisture= 35 Humidity = 46 % to IBM Watson
Message received from Ibm IOT Platform: motor on
motor is Switched on

Published Temperature = 18 C Moisture= 47 Humidity = 39 % to IBM Watson
Message received from Ibm IOT Platform: motor off
motor is off
```