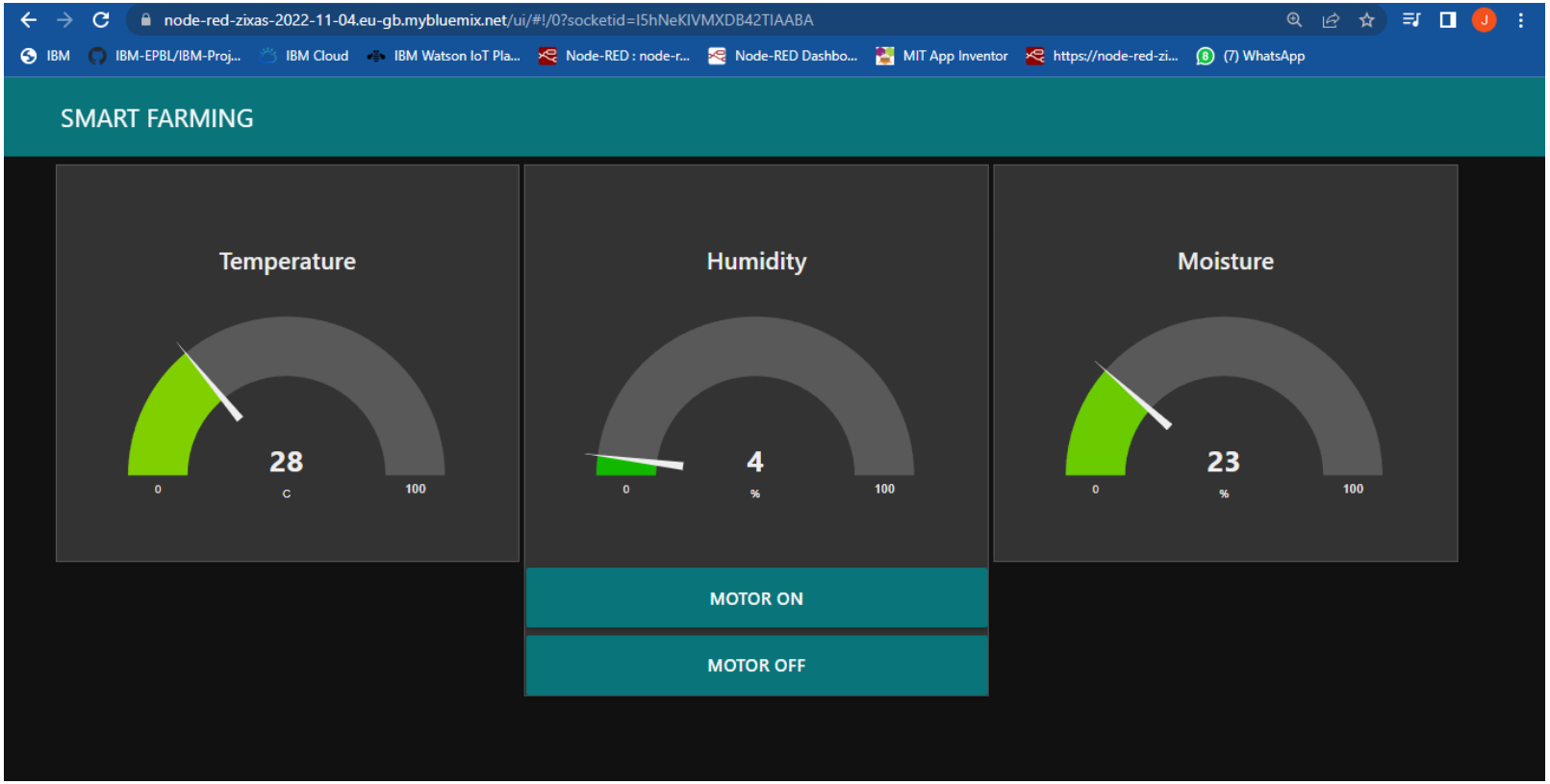
Project Development Phase
Sprint-3

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

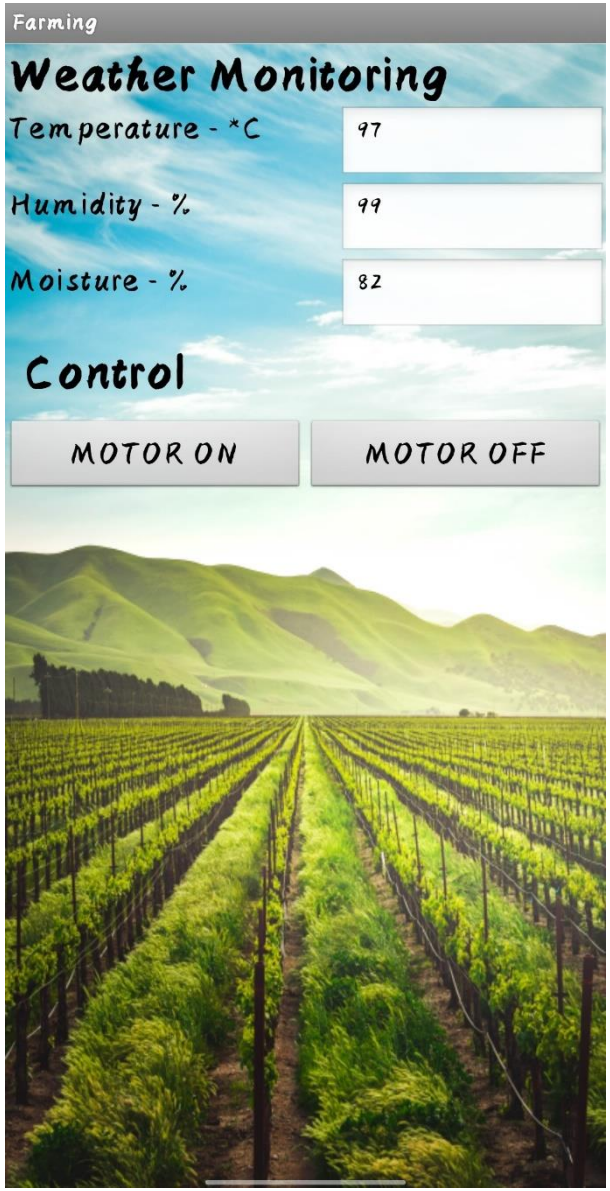
API for Controlling:

Web UI:

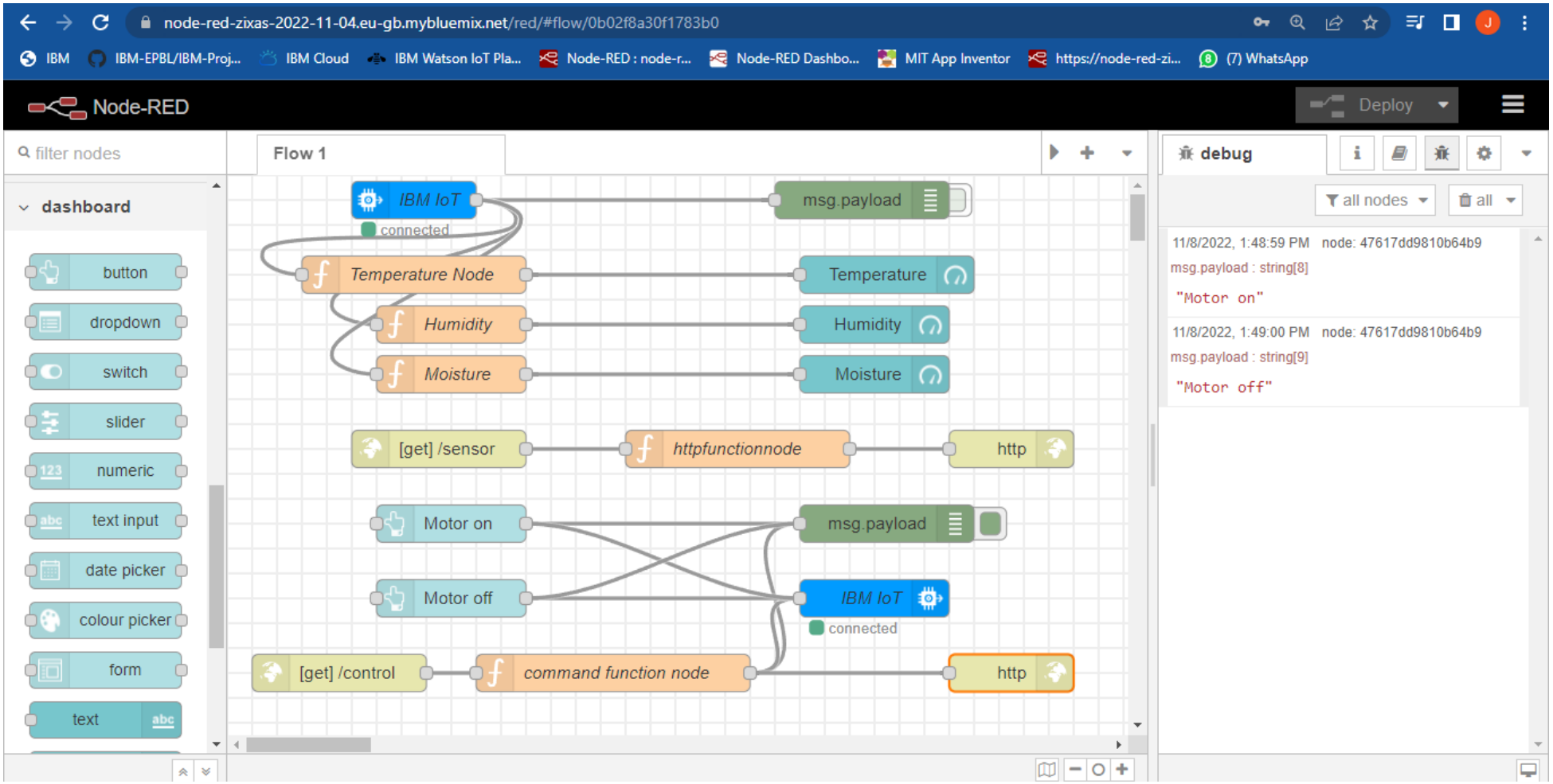
Controls are created and connected with cloud to control the irrigation system.



Mobile App:


Farming
Weather Monitoring
Temperature - *C
97
Humidity - %
99
Moisture - %
82
Control
MOTOR ON
MOTOR OFF

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:hztfwg: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
```