

Project Development

PhaseSprint-4

Mobile Application Testing

Date	20-11-2022
Team ID	PNT2022TMID16804
Project Name	Smart Farmer IOT Enabled Smart Farming Application

Smart Farmer App Dashboard



**Simulator
Data**



**Motor
Controls**



**Open
Weather API
Data**

IBM Watson IOT Platform Data

Simulator Data



Temperature	<u>50</u>
Humidity	<u>1</u>
Moisture	<u>19</u>

Back

Motor Controls

Motor Control



Motor Controls



Back

When Motor On Buton Press the Motor will be ON

Motor Control



Motor Controls

Motor is ON



Back

When Motor OFF Buton Press the Motor will be OFF

Motor Control



Motor Controls

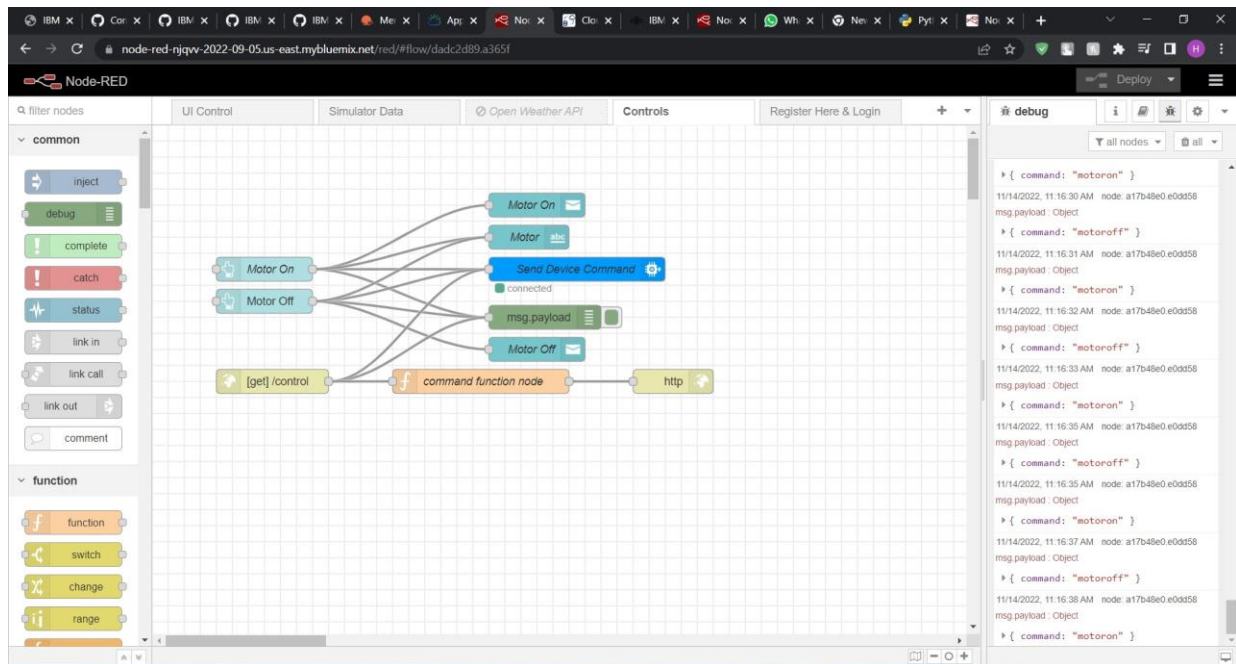
Motor is OFF



Back

Output - Python

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\HP\Desktop\sft python code.py =====
2022-11-14 10:16:41,141 ibmiotf.device.Client INFO Connected successfully: d:rsultr:
sf:smartfarm
Published Temperature = 21 C Humidity = 0 % Moisture = 15 % Ph = 10 % to IBM Watson
Published Temperature = 78 C Humidity = 28 % Moisture = 24 % Ph = 8 % to IBM Watson
Published Temperature = 49 C Humidity = 13 % Moisture = 86 % Ph = 5 % to IBM Watson
Published Temperature = 87 C Humidity = 10 % Moisture = 16 % Ph = 6 % to IBM Watson
Published Temperature = 63 C Humidity = 5 % Moisture = 56 % Ph = 4 % to IBM Watson
Published Temperature = 15 C Humidity = 49 % Moisture = 22 % Ph = 4 % to IBM Watson
Published Temperature = 83 C Humidity = 14 % Moisture = 4 % Ph = 6 % to IBM Watson
Published Temperature = 48 C Humidity = 20 % Moisture = 61 % Ph = 4 % to IBM Watson
Published Temperature = 49 C Humidity = 78 % Moisture = 86 % Ph = 1 % to IBM Watson
Published Temperature = 32 C Humidity = 83 % Moisture = 70 % Ph = 7 % to IBM Watson
Published Temperature = 75 C Humidity = 50 % Moisture = 22 % Ph = 5 % to IBM Watson
Published Temperature = 75 C Humidity = 13 % Moisture = 8 % Ph = 5 % to IBM Watson
Published Temperature = 30 C Humidity = 97 % Moisture = 28 % Ph = 4 % to IBM Watson
Published Temperature = 18 C Humidity = 89 % Moisture = 95 % Ph = 3 % to IBM Watson
Published Temperature = 10 C Humidity = 55 % Moisture = 59 % Ph = 2 % to IBM Watson
Published Temperature = 52 C Humidity = 29 % Moisture = 82 % Ph = 6 % to IBM Watson
Published Temperature = 78 C Humidity = 68 % Moisture = 65 % Ph = 10 % to IBM Watson
Published Temperature = 19 C Humidity = 38 % Moisture = 12 % Ph = 5 % to IBM Watson
Published Temperature = 28 C Humidity = 99 % Moisture = 18 % Ph = 8 % to IBM Watson
Published Temperature = 4 C Humidity = 47 % Moisture = 10 % Ph = 4 % to IBM Watson
```



Node-RED Output

