# Project Development

# PhaseSprint-4

## Mobile Application Testing

| Date | 10 November 2022 |
|---|---|
| Team ID | PNT2022TMID22317 |
| Project Name | Smart Farmer IOT Enabled Smart Farming Application |

# Smart Farmer App Dashboard

# IBM Watson IOT Platform Data

## Simulator Data ⋮

| Temperature | 50 |
|---|---|
| Humidity | 1 |
| Moisture | 19 |

*Back*

# Motor Controls

## Motor Controls

Back

**When Motor On Button Press the Motor will be ON**

# Motor Controls

**Motor is ON**

Back

**When Motor OFF Button Press the Motor will be OFF**

Motor Control        ⋮

# Motor Controls

**Motor is OFF**



**Back**

# Output - Python

```
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:rsu1tr:
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
```

# Node-RED Output