

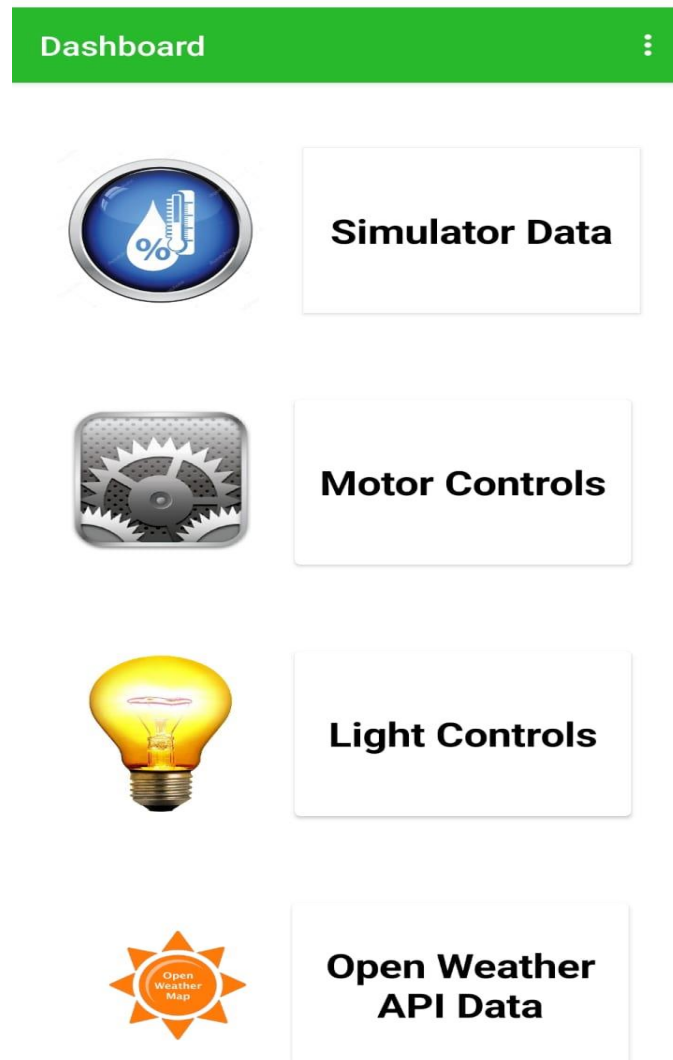
Project Development Phase

Sprint-4

(Mobile Application Testing)

Date	10 November 2022
Team ID	PNT2022TMID44926
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

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Motor Controls

Motor Control



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

Light Controls

Light Control



Light Control



Back

When Light On Button Press the Light will be ON

Light Control



Light Control



Light is ON



Back

When Light OFF Button Press the Light will be OFF

Light Control



Light Control



Light is OFF



Back

Open Weather API Data

Open Weather API Data	
Temperatue	82
Humidity	7
Pressure	1013
Weather	Clouds
Wind Speed	3.09
Clouds	20
Location	Trichy
wind Direction	10
weather Description	The weather in Trichy at coordinates: 10.8029, 78.6988 is Mist (mist).

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Output - Python

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Published Temperature = 87 C Humidity = 79 % Moisture = 37 % to IBM Watson
Published Temperature = 40 C Humidity = 64 % Moisture = 26 % to IBM Watson
Published Temperature = 75 C Humidity = 3 % Moisture = 43 % to IBM Watson
Published Temperature = 6 C Humidity = 34 % Moisture = 14 % to IBM Watson
Published Temperature = 85 C Humidity = 72 % Moisture = 63 % to IBM Watson
Published Temperature = 90 C Humidity = 97 % Moisture = 71 % to IBM Watson
Published Temperature = 26 C Humidity = 81 % Moisture = 61 % to IBM Watson
Published Temperature = 44 C Humidity = 30 % Moisture = 71 % to IBM Watson
Published Temperature = 27 C Humidity = 16 % Moisture = 29 % to IBM Watson
Published Temperature = 33 C Humidity = 43 % Moisture = 76 % to IBM Watson
Published Temperature = 30 C Humidity = 95 % Moisture = 8 % to IBM Watson
Published Temperature = 59 C Humidity = 74 % Moisture = 82 % to IBM Watson
Published Temperature = 28 C Humidity = 36 % Moisture = 20 % to IBM Watson
Published Temperature = 42 C Humidity = 61 % Moisture = 26 % to IBM Watson
Published Temperature = 76 C Humidity = 46 % Moisture = 2 % to IBM Watson
Command received: {'command': 'motoron'}
Turn Motor ON
Command received: {'command': 'motoron'}
Turn Motor ON
Published Temperature = 85 C Humidity = 46 % Moisture = 44 % to IBM Watson
Command received: {'command': 'motoroff'}
Turn Motor OFF
Command received: {'command': 'motoroff'}
Turn Motor OFF
Published Temperature = 90 C Humidity = 40 % Moisture = 9 % to IBM Watson
Published Temperature = 92 C Humidity = 40 % Moisture = 59 % to IBM Watson
Command received: {'command': 'lighton'}
Turn Light ON
Command received: {'command': 'lighton'}
Turn Light ON
Command received: {'command': 'lightoff'}
Turn Light OFF
Command received: {'command': 'lightoff'}
Turn Light OFF
Published Temperature = 51 C Humidity = 2 % Moisture = 40 % to IBM Watson
Published Temperature = 49 C Humidity = 33 % Moisture = 81 % to IBM Watson
Published Temperature = 14 C Humidity = 22 % Moisture = 16 % to IBM Watson
Published Temperature = 27 C Humidity = 69 % Moisture = 57 % to IBM Watson
Published Temperature = 62 C Humidity = 46 % Moisture = 14 % to IBM Watson
Published Temperature = 29 C Humidity = 1 % Moisture = 73 % to IBM Watson
Ln: 349 Col: 0
```

Node-RED Output

