

SPRINT 4

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Project Name	Project – Smart Farmer-IoT Enabled smartFarming Application

CONFIGURATION OF NODE-RED TO SEND COMMANDS TO IBM CLOUD

Here we add

two buttons

in UI1 -> for

motor on

2 -> for motor off

We used a function node to analyse the data received and assign command to each number.

The Java script code

for the analysis is:

```
if(msg.payload===1)
```

```
msg.payload={"comm
```

```
and": "ON"}; else
```

```
if(msg.payload===0)
```

```
msg.payload={"comm
```

```
and": "OFF"};
```

Adjusting User Interface

In order to display the parsed JSON data a Node-Red dashboard is created

Below images we started to create the flow 1



The screenshot shows the Smart Farming web application interface. It features three main sections: Farming, Garden, and Switch Board. The Farming section displays two line graphs: Humidity (ranging from 90 to 110) and Temp (ranging from 90 to 110). The Garden section displays a gauge for Moisture (ranging from 0 to 100) showing a value of 77. The Switch Board section contains a button labeled LIGHT ON.