

SPRINT4

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| ProjectName | Project – Smart Farmer-IoT Enabled smartFarmingApplication |

CONFIGURATION OF NODE-RED TO SEND COMMANDS TO IBM CLOUD

Here we add two buttons in UI1 -

> formotor on

2-> formotor off

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

The Java script code for the analyses

```
is: if(msg.payload===1)msg.payload={ "
command": "ON"};else
if(msg.payload===0)msg.payload={ "co
mmand": "OFF"};
```

Adjusting User Interface

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

Here we are using Gauges, text and button nodes to display in the UI and helps to monitor the parameters and control the farm equipment.

Below images we started to create the flow 1

SCREENSHOTS:

