# PROJECT DEVELOPMENT PHASE DELIVERY OF SPRINT-3

TEAM ID	PNT2022TMID33440
TITLE	SMART FARMER - IOT ENABLED SMART FARMING APPLICATION

MIT App Inventor and Dashboard Application for project using MIT App, Design the Model and Test the App

## Configuration of Node-Red to send commands to IBM cloud

IBM IOT out node I used to send data from Node-Red to IBM Watson device. So, after adding it to the flow we need to configure it with credentials of our Watson device.

Here we add two buttons in UI

- 1.Light On
- 2.Light Off



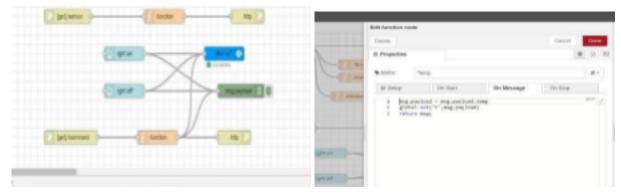
The Java script code for the analyses

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

msg.payload={"command":

"ON"}; else if(msg.payload===0)

msg.payload={"command": "OFF"};



## **Adjusting UserInterface**

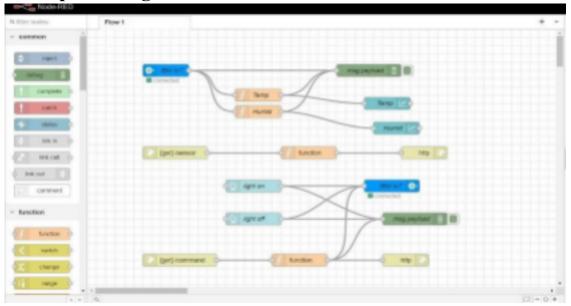
In order to display the parsed JSON data a Node-Red dashboard is created

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

Below images are the Gauge, text and button node configurations.



**Complete Program Flow** 



### **MOBILE APP WEB:**

#### **BLOCK DIAGRAM SCREEN - 1**

