

## **PROJECT DEVELOPMENT PHASE DELIVERY OF SPRINT-3**

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| <b>TEAM ID</b> | PNT2022TMID33440  |
| <b>TITLE</b>   | SMART FARMER - IOT ENABLED<br>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

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



# MOBILE APP WEB :

## BLOCK DIAGRAM SCREEN - 1

