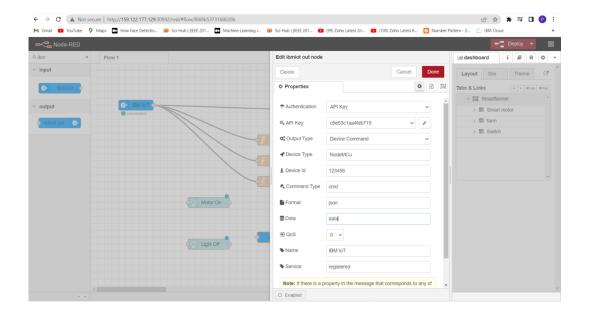
Project Delivery Sprint 3

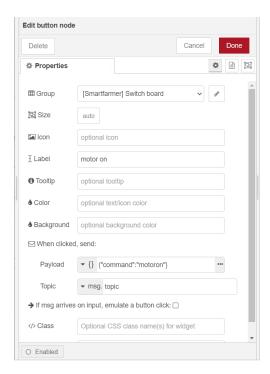
Date	17 Nov 2022
Team ID	PNT2022TMID04699
Project Name	Smart Farmer - IoT Enabled Smart Farming Application

Configuration of Node-Red to send commands to IBM cloud

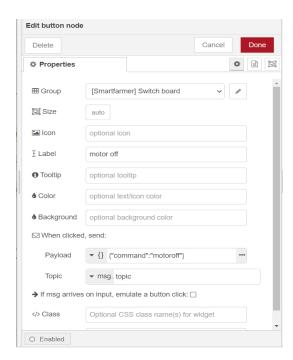
- ibmiot out node I used to send data from Node-Red to IBM Watson device. So, after adding it to the flow we need to configure it with credentials of our Watson device.
- Here we add two buttons in UI
- Edit the properties of ibmiot out node



• Edit the properties of Motor ON Button node



• Edit the properties of Motor OFF Button node

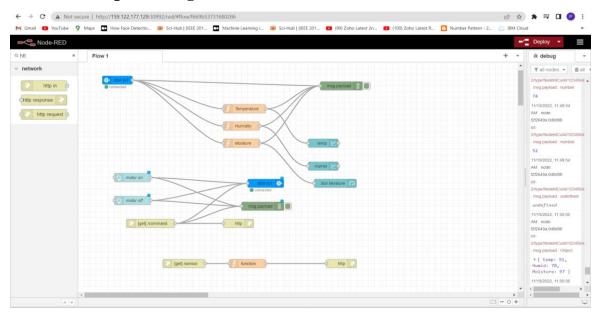


• This is the program flow for sending commands to IBM cloud

Configuration of Node – Red with FAST2SMS:

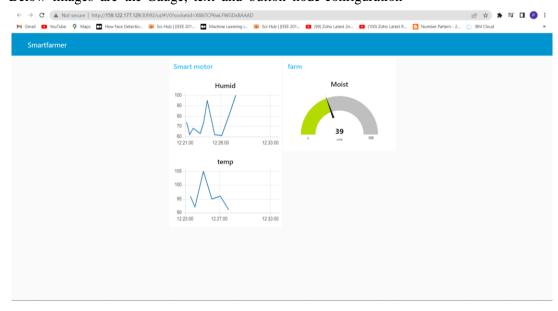
- Edit the properties of FAST2SMS Switch node
 - If Soil Moisture is Less than 50, it will send the message to the particular number.

Node – Red Complete Program Flow:



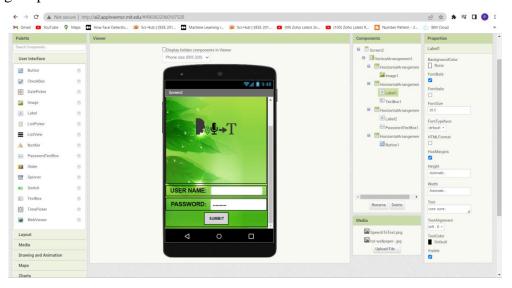
Node – Red Dashboard (WEB APP UI):

- In order to display the parsed JSON data a Node-Red dashboard is created.
- Below images are the Gauge, text and button node configuration

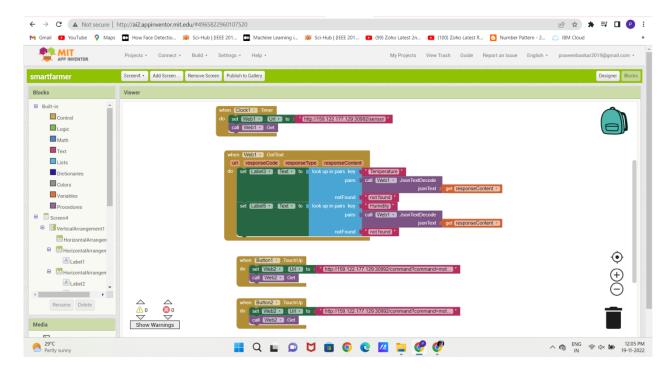


MOBILE APP:

- MIT APP INVENTOR
 - Designer part



Blocks Part



O Button function Blocks



o Mobile App

