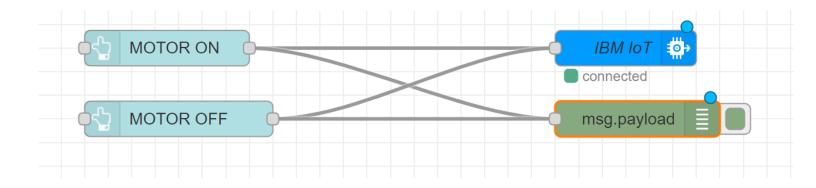
SPRINT-3

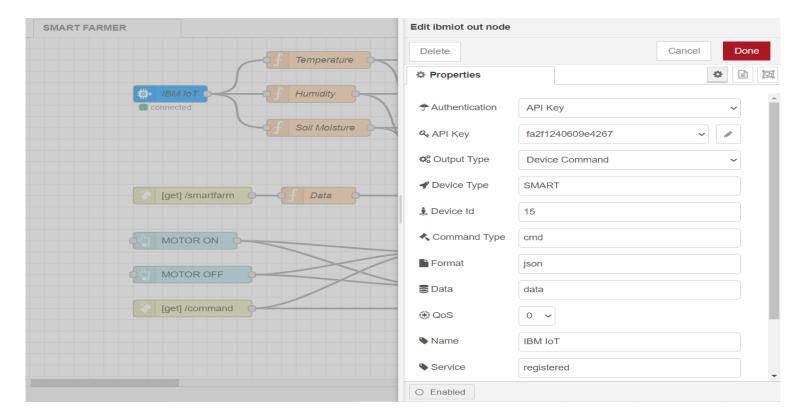
Date	12 NOVEMBER 2022	
Team ID	PNT2022TMID04665	
Project Name	Smart Farmer-IoT Enabled smartFarming	
	Application	

Configuration of Node-Red to send commands to IBM cloud

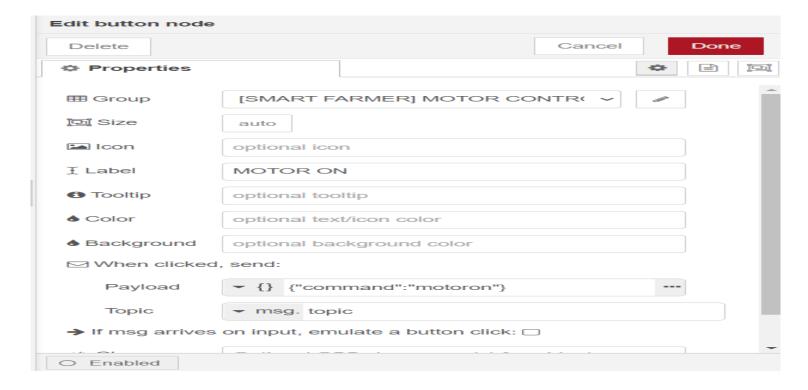
- ibmiot out node I used to send data from Node-Red to IBM Watson device. So, after adding it to the flow we need to configure it with credentials of our Watson device.
- Here we add two buttons in UI



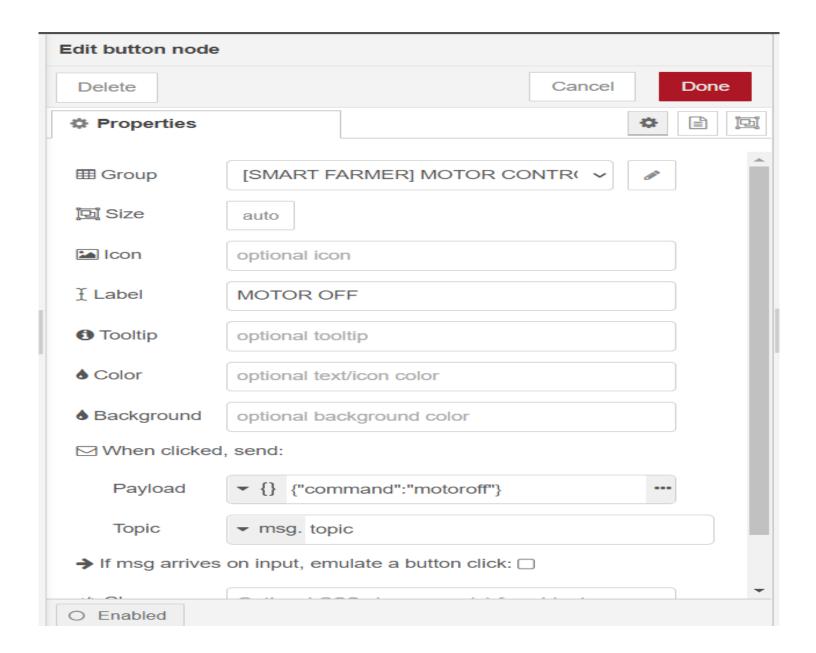
• Edit the properties of ibmiot out node



• Edit the properties of Motor ON Button node

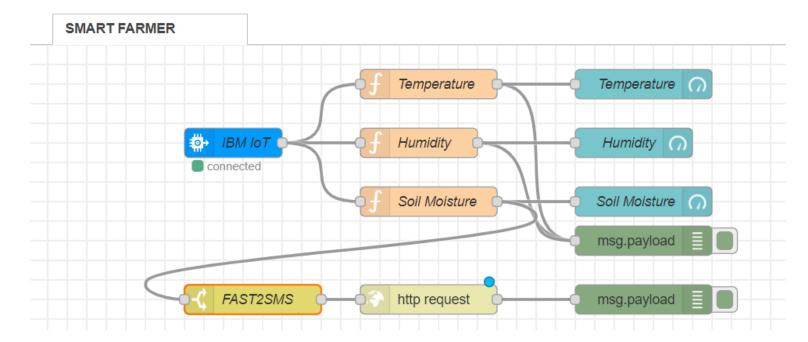


• Edit the properties of Motor OFF Button node

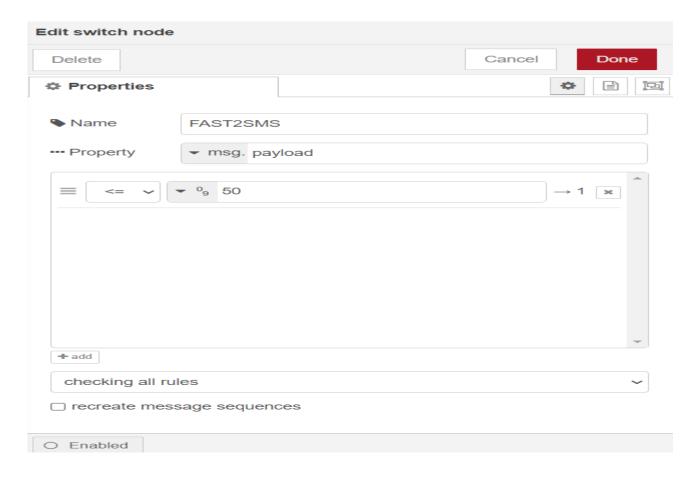


• This is the program flow for sending commands to IBM cloud.

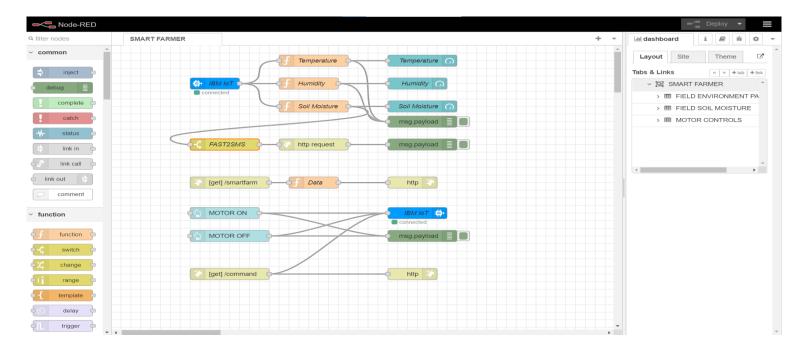
Configuration of Node – Red with FAST2SMS:



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

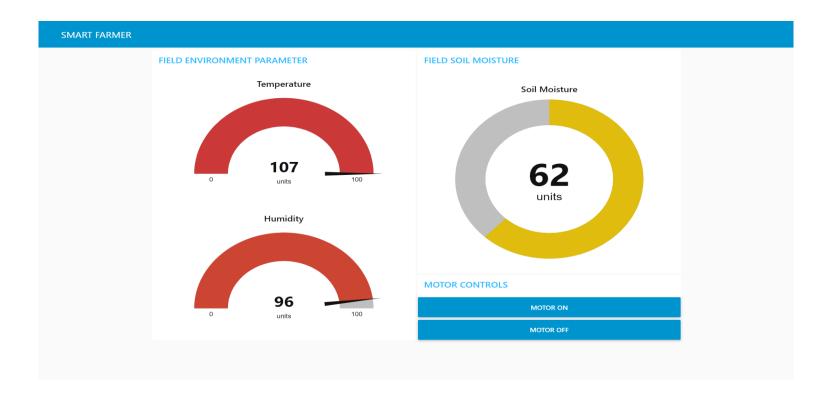


Node – Red Complete Program Flow:



Node - Red Dashboard (WEB APP UI):

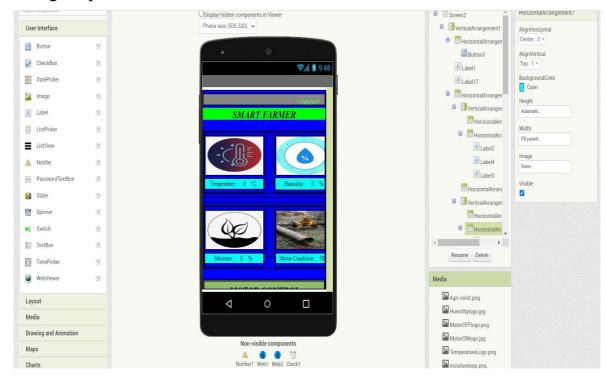
- In order to display the parsed JSON data a Node-Red dashboard is created.
- Below images are the Gauge, text and button node configurations.



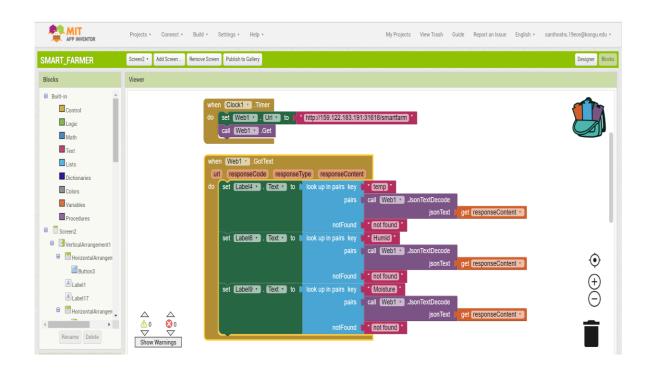
MOBILE APP:

• MIT APP INVENTOR

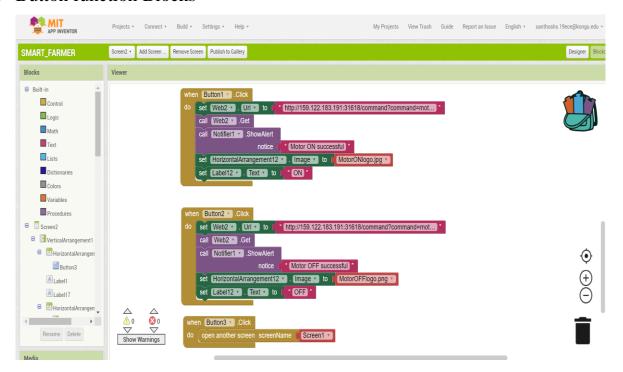
Designer part



o Blocks Part



Button function Blocks



Mobile App

