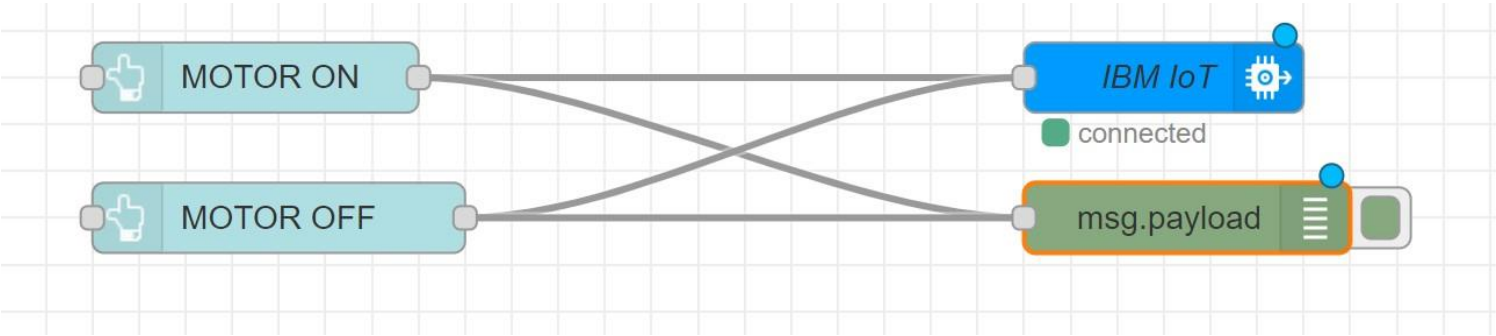
SPRINT - 3

Team ID	PNT2022TMID00072
Project Name	Smart Farmer-IoT Enabled Smart Farming Application

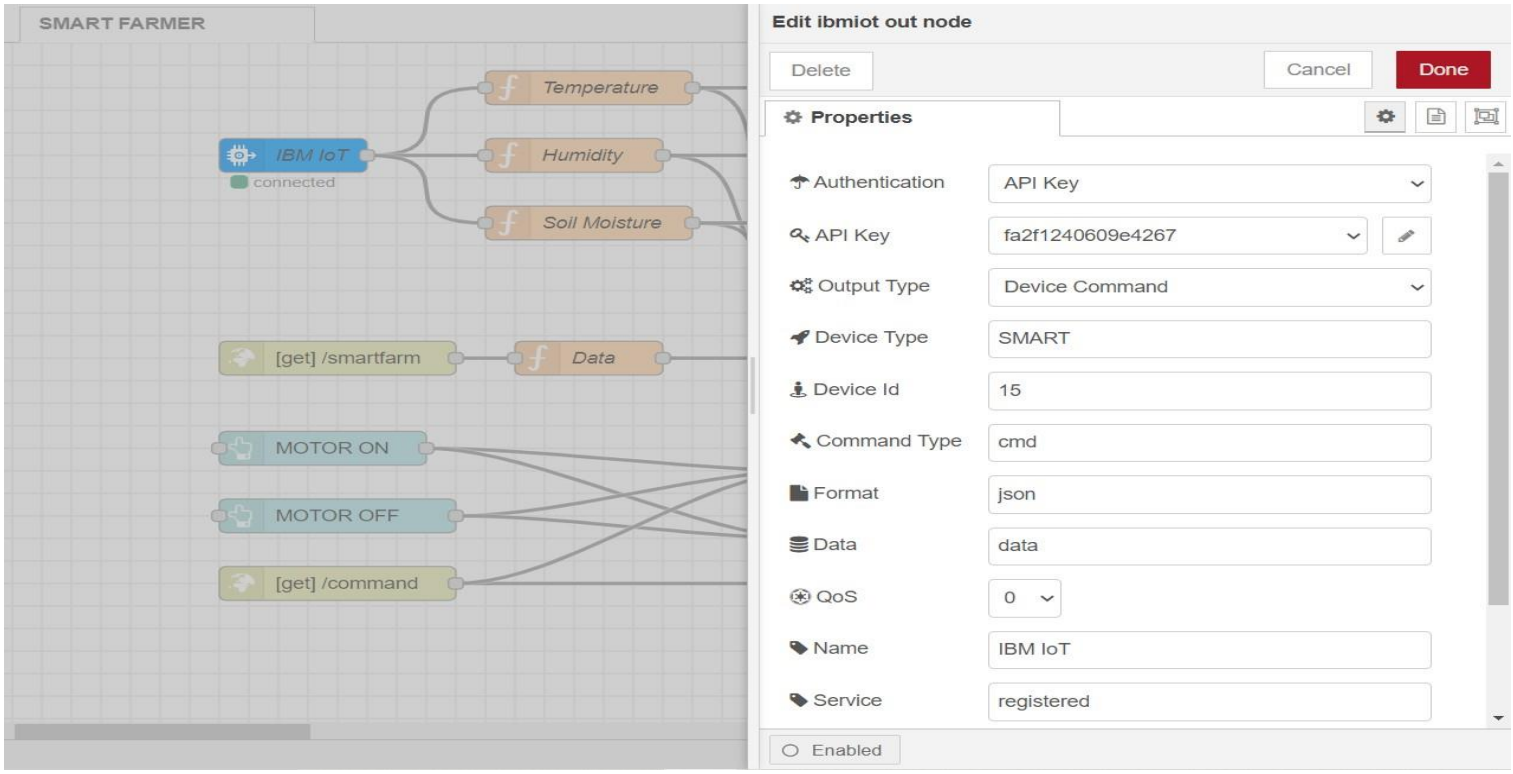
Configuration of Node-Red to send commands to IBM cloud

- 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.

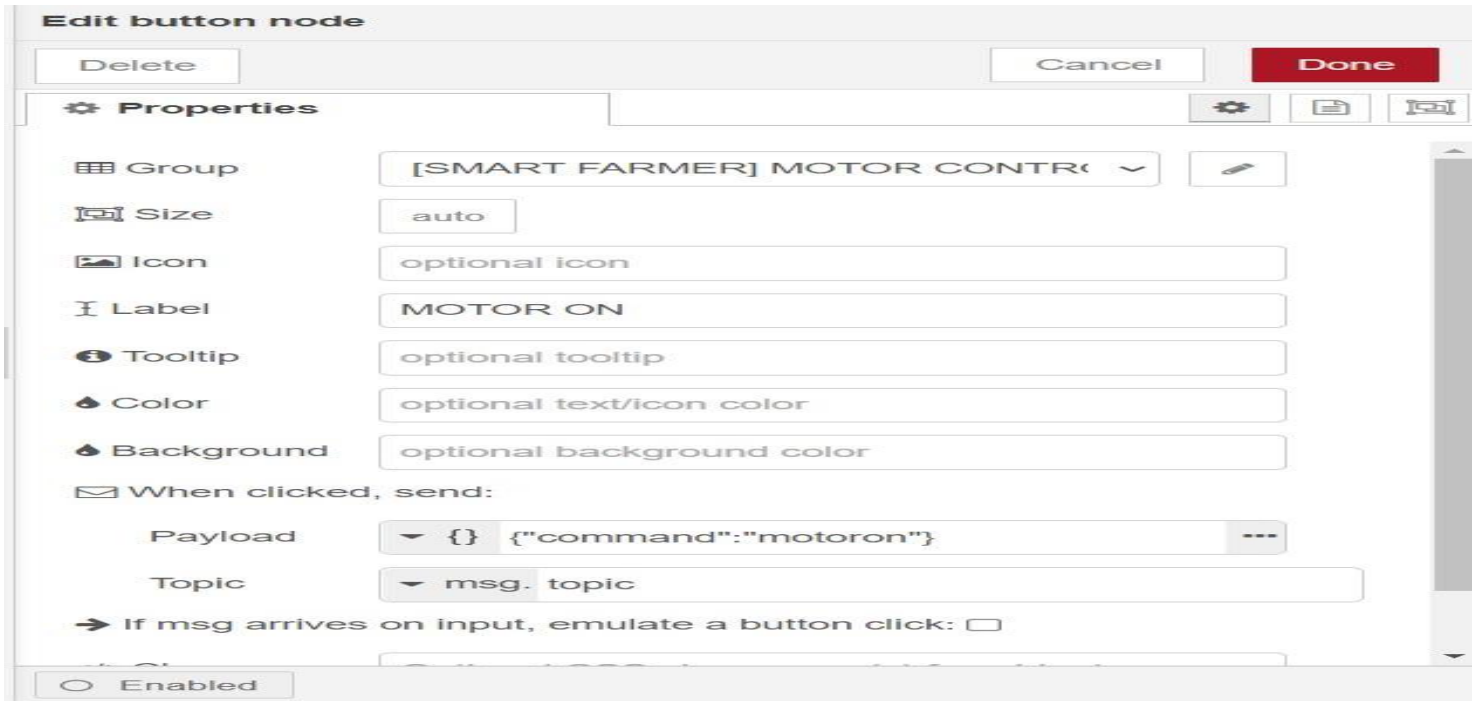
- Here we add two buttons in UI



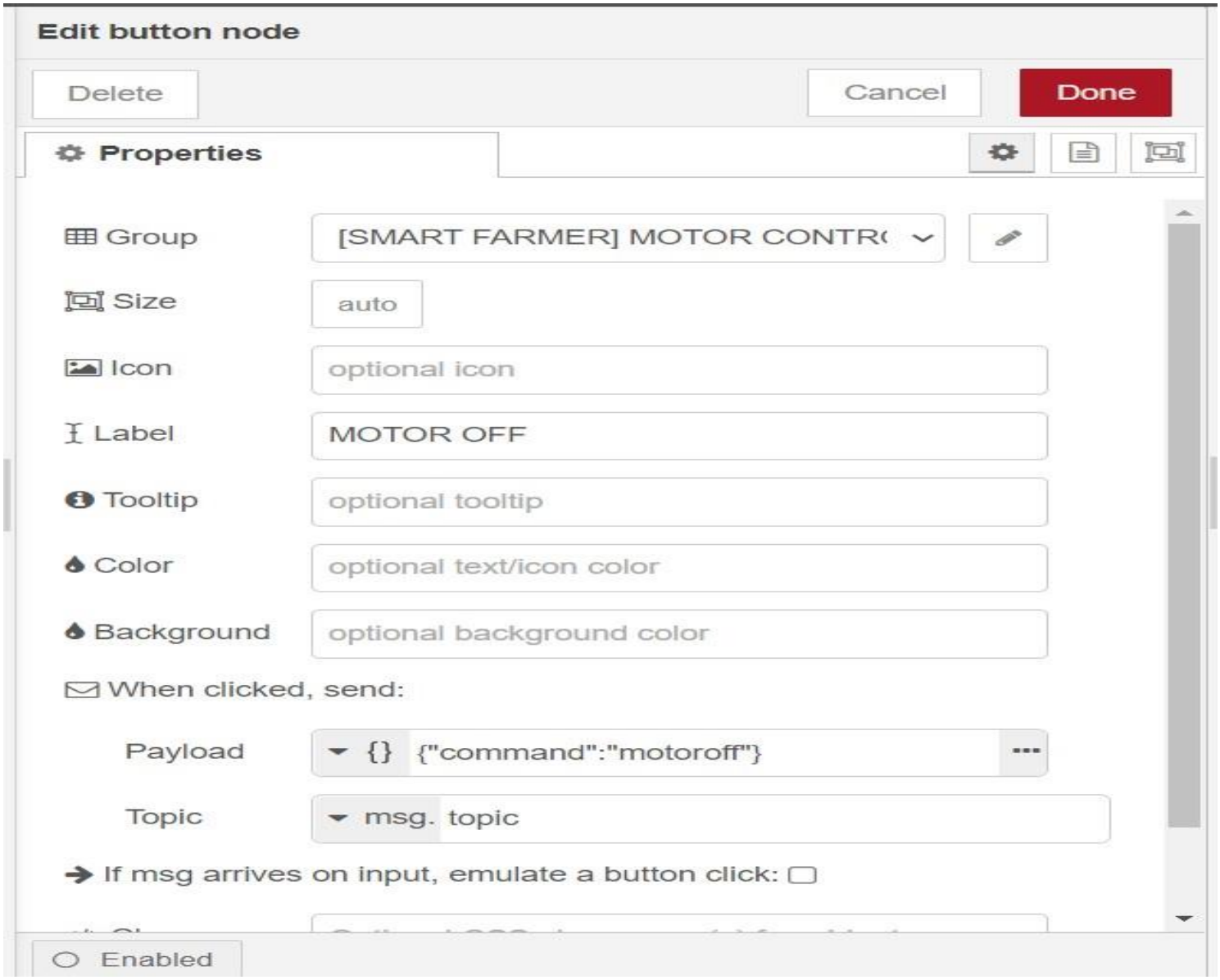
- Edit the properties of ibmiot out node



- Edit the properties of Motor ON Button node

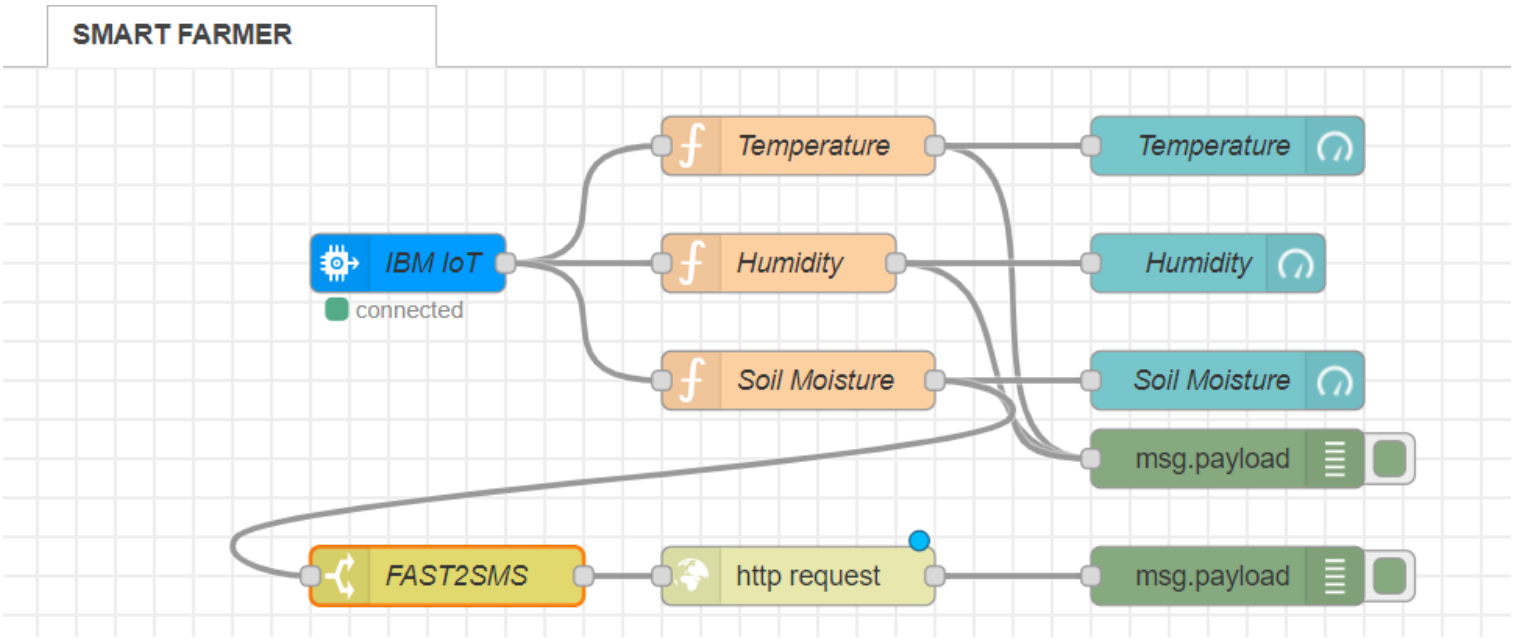


- Edit the properties of Motor OFF Button node

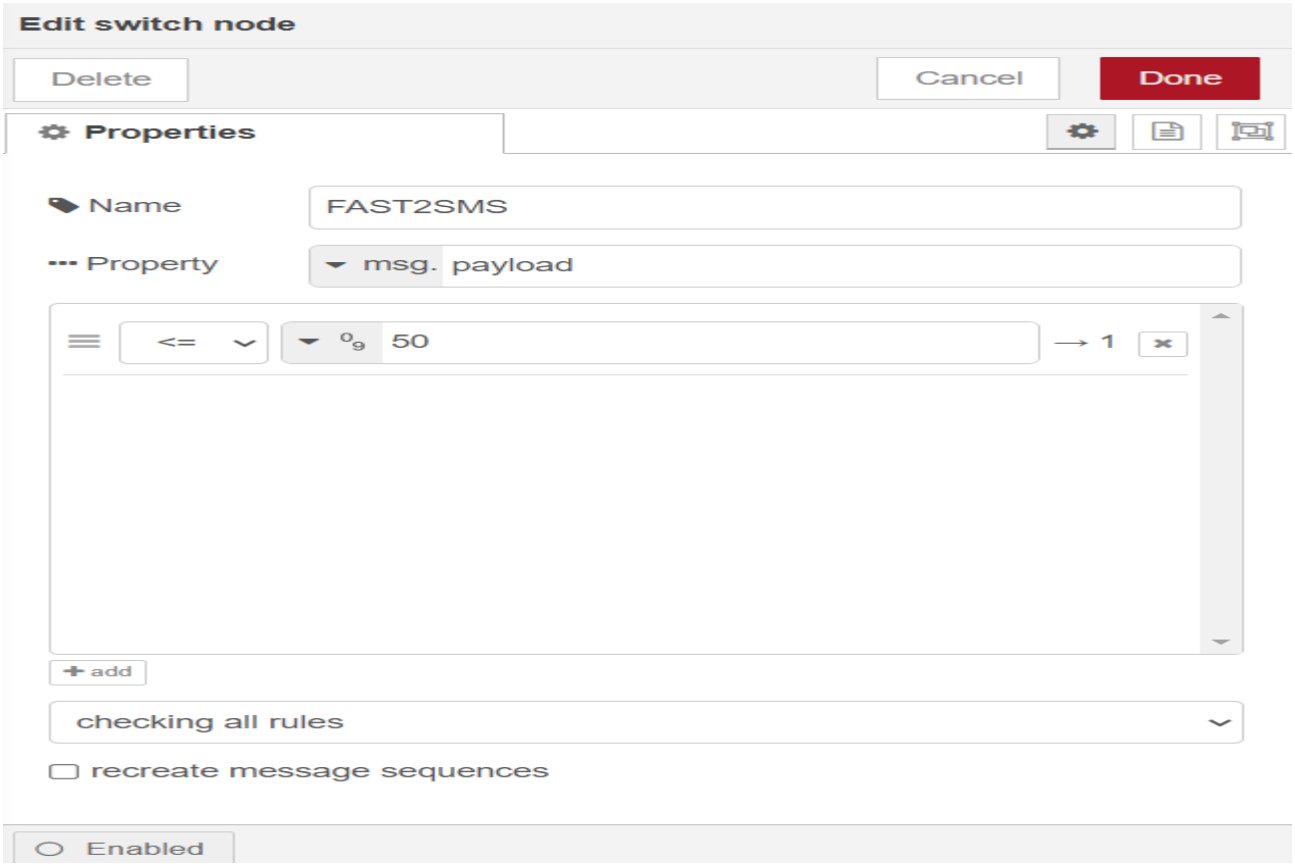


- This is the program flow for sending commands to IBM cloud.

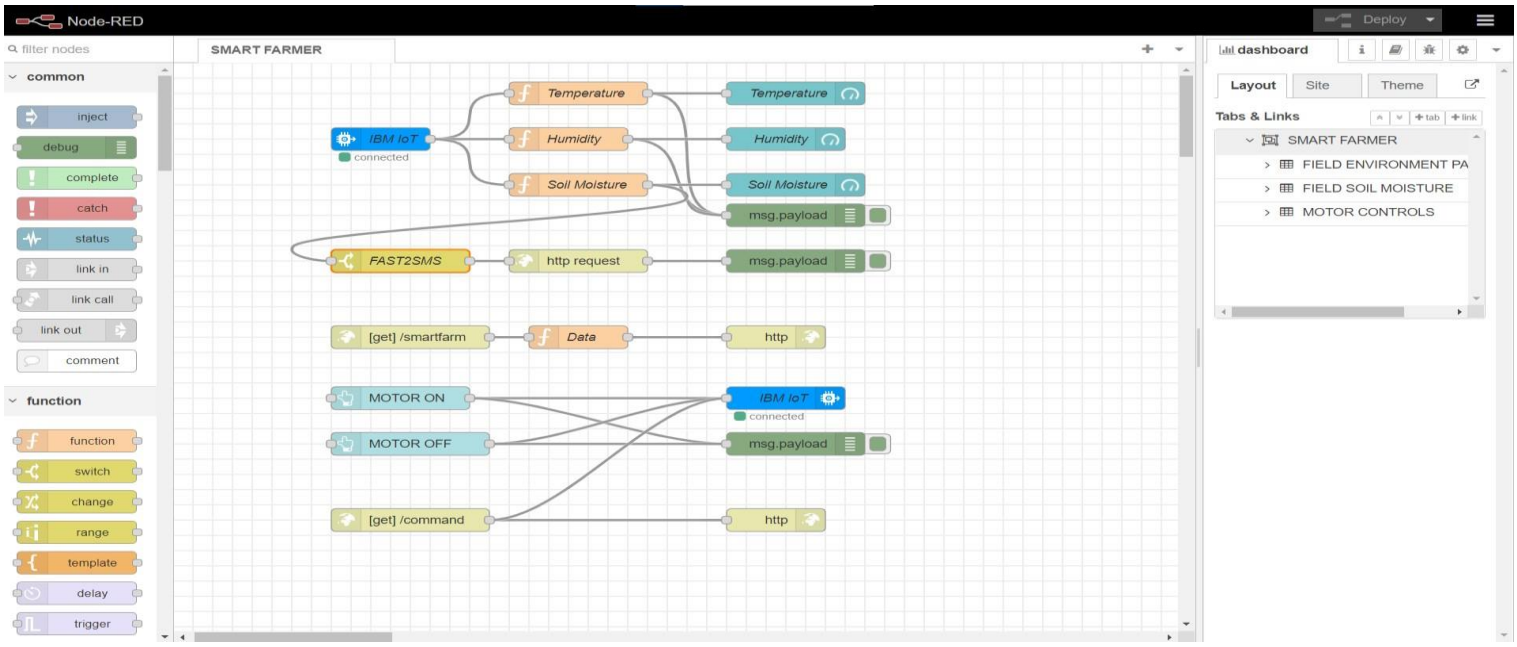
Configuration of Node – Red with FAST2SMS :



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

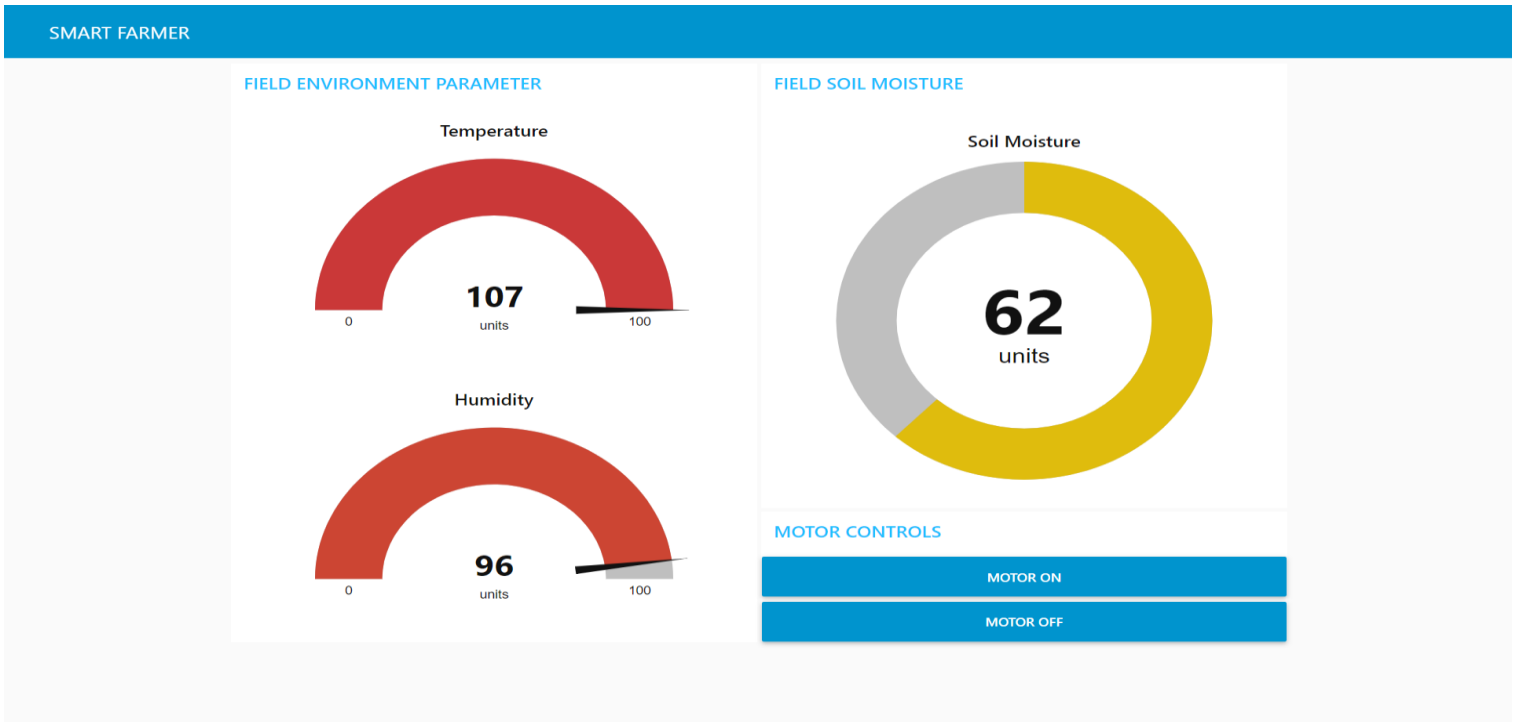


Node – Red Complete Program Flow:



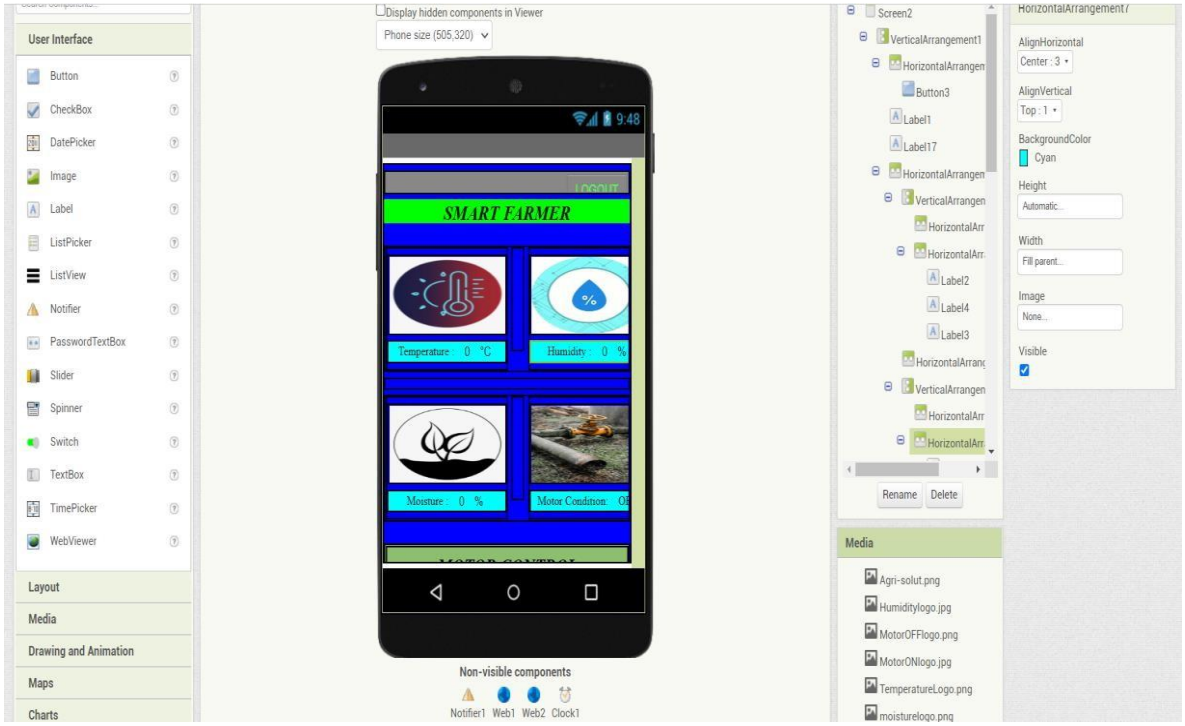
Node – Red Dashboard (WEB APP UI):

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

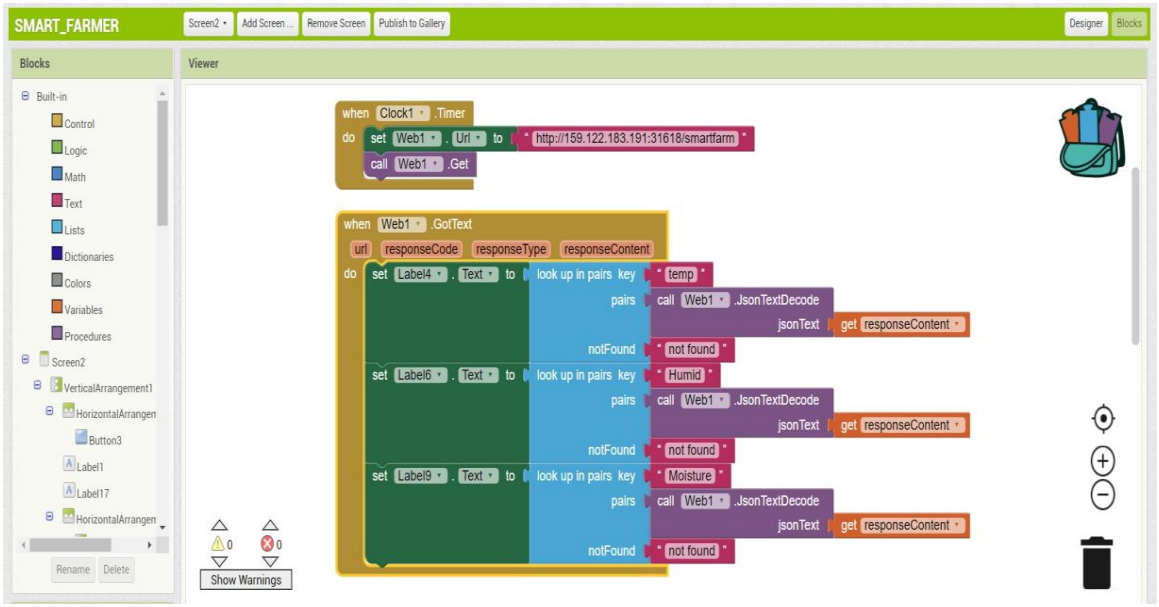


MOBILE APP :

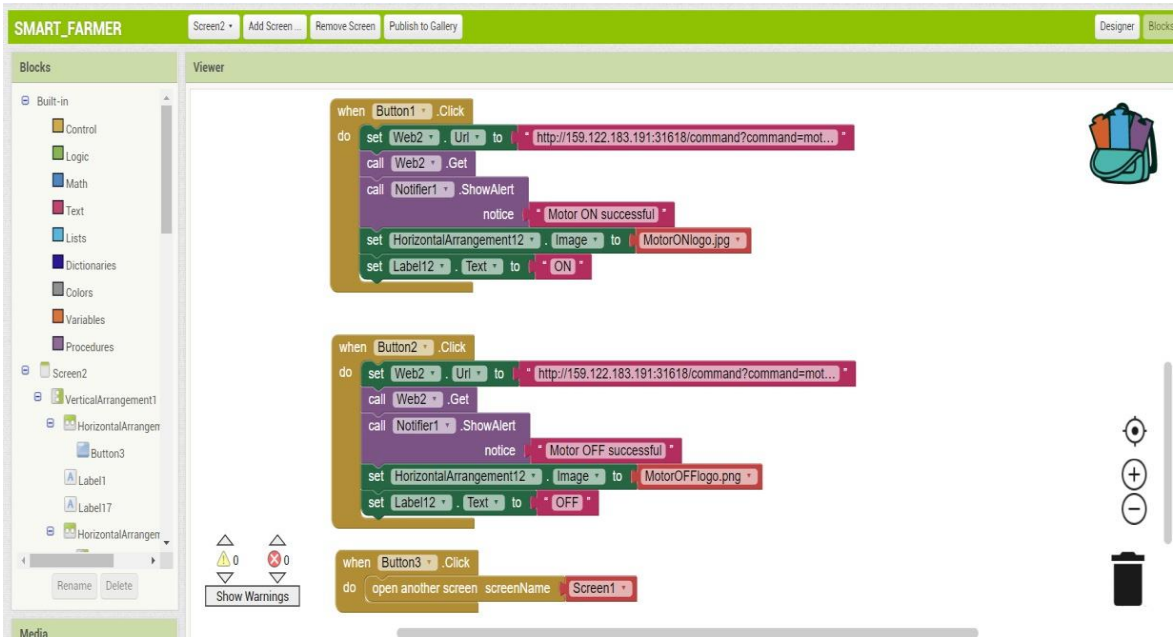
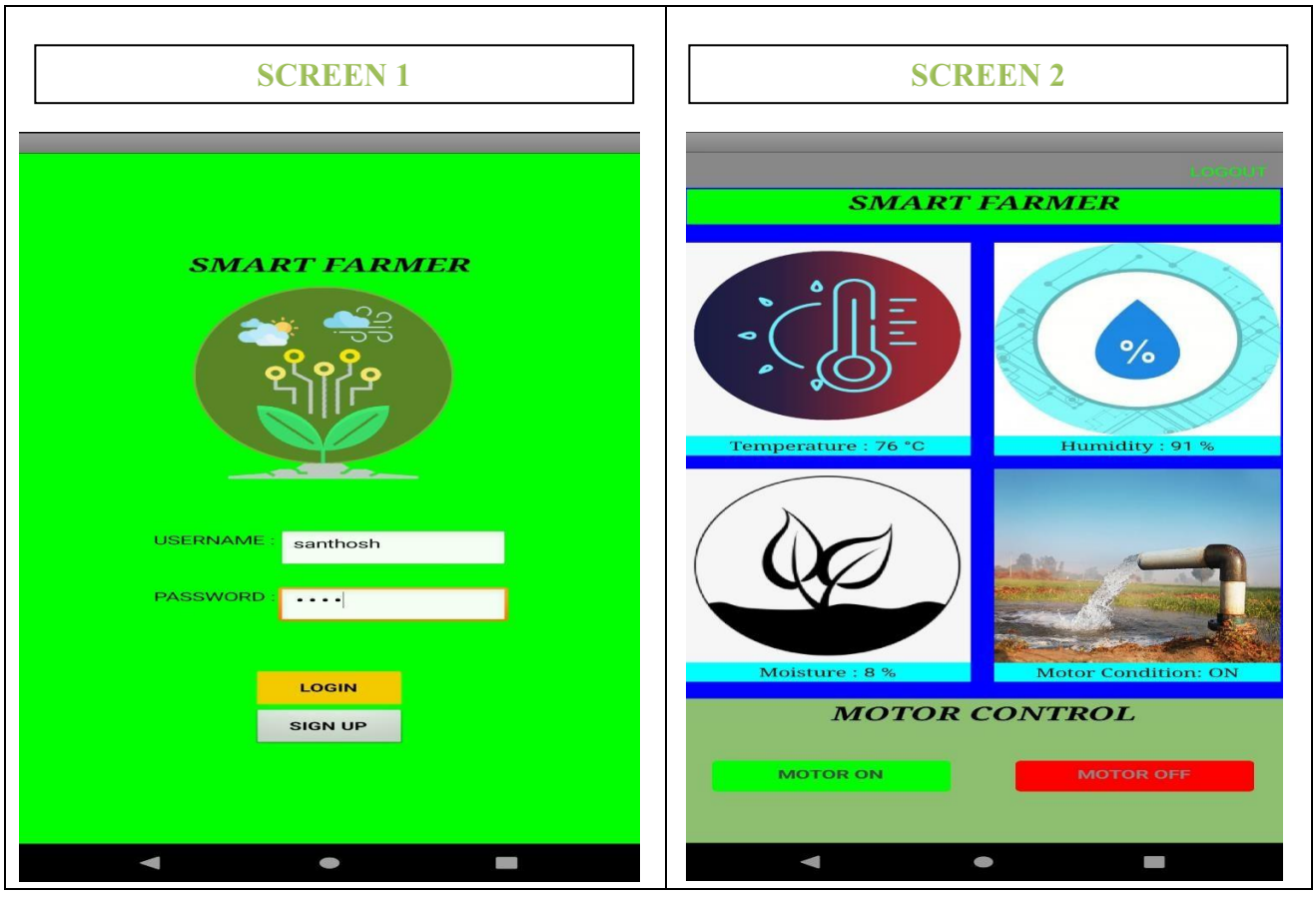
- MIT APP INVENTOR
  - Designer part



  - Blocks Part



- Button function Blocks



- Mobile App