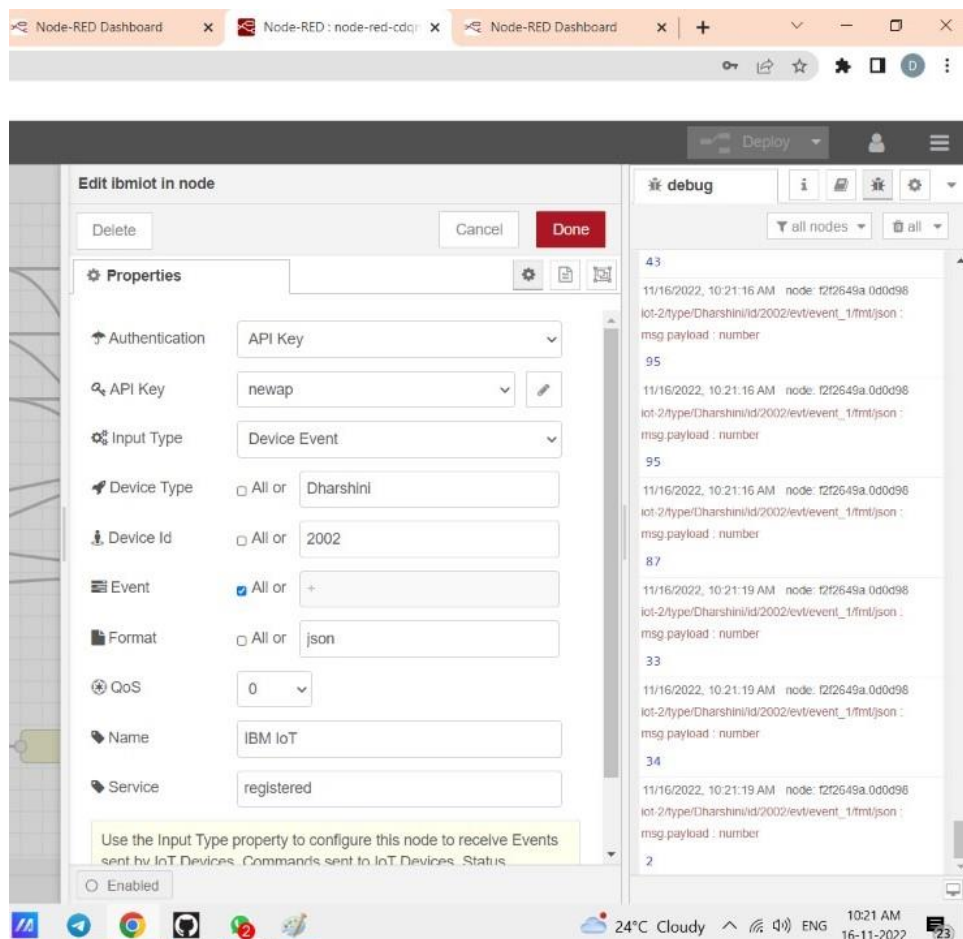


Sprint delivery 3

Title	Smart Farmer-IOT Enabled Smart Farming Application
Domain name	INTERNET OF THINGS
Team ID	PNT2022TMID29878

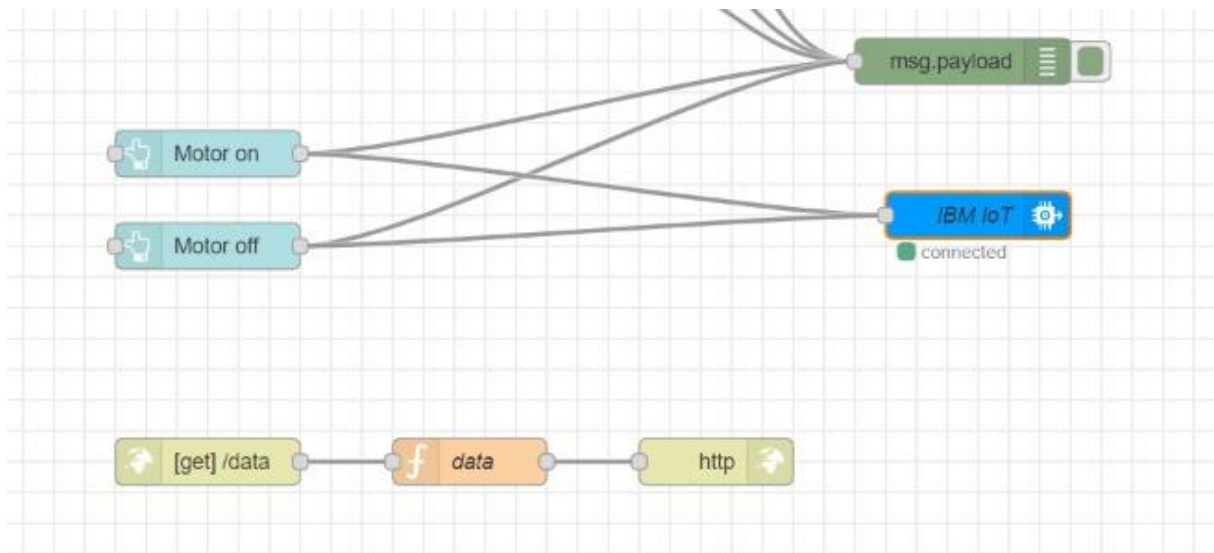
Configuration of Node-Red to send commands to IBM cloud

IbmIoT 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 -> for motor on
- 2 -> for motor off



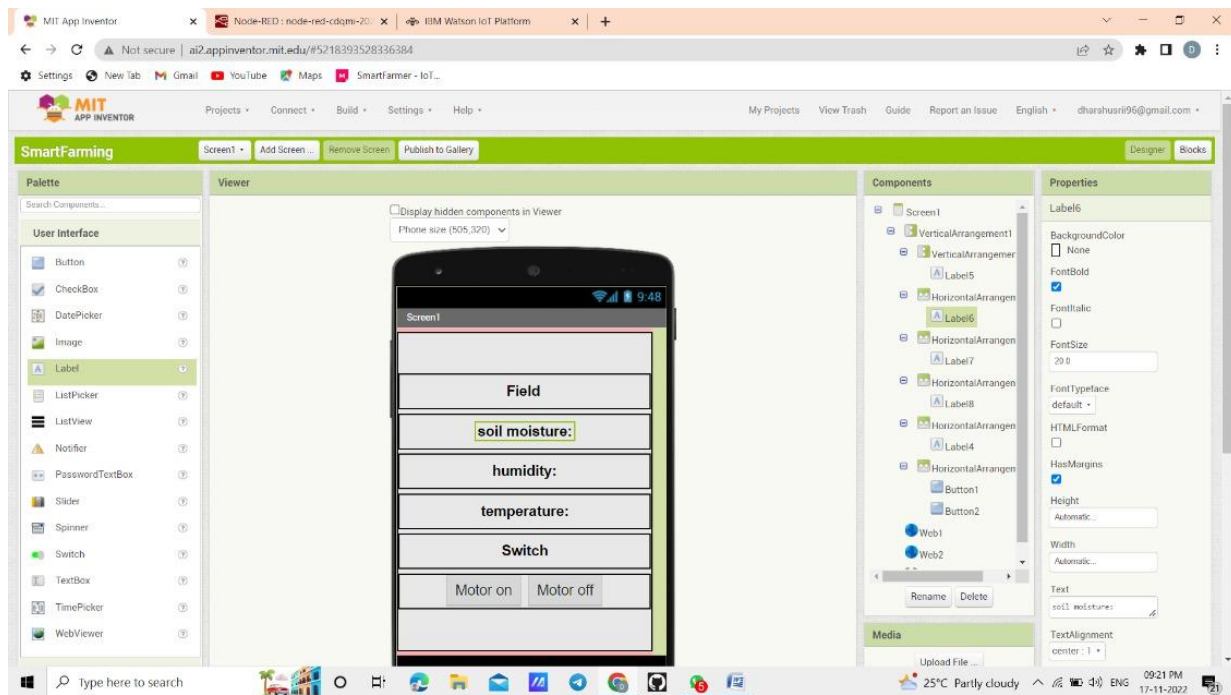
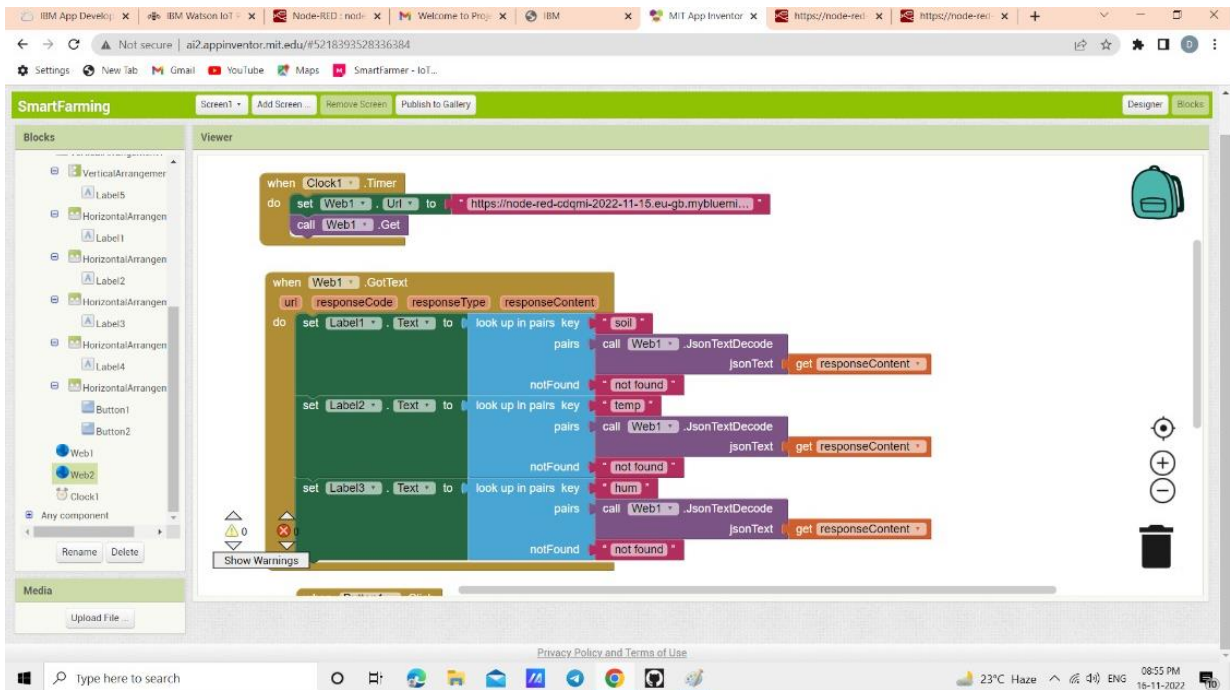
This is the program flow for sending commands to IBM cloud.

Adjusting User Interface

- 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 helps to monitor the parameters and control the farm equipment.
- Below images we started to create the flow 1

The screenshot displays the Node-RED web interface in a browser. The top bar indicates the flow is 'Successfully deployed'. The main workspace shows the same flow diagram as the first image. The right sidebar's debug console shows a series of log messages from the 'IBM IoT' node, including timestamps and node IDs. The bottom of the screen shows a Windows taskbar with the date 15-11-2022 and time 09:21 PM.

MOBILE APP WEB : BLOCK DIAGRAM



Final Output

