Smart Farmer - IOT Enabled Smart Farming Application
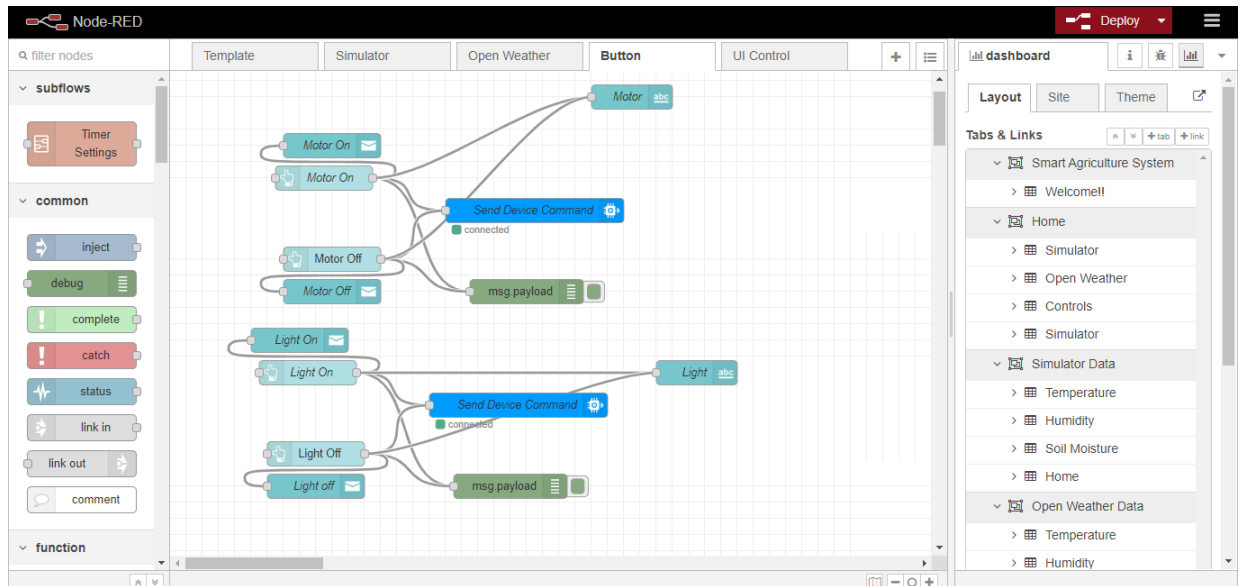
Web Application Using Node-RED

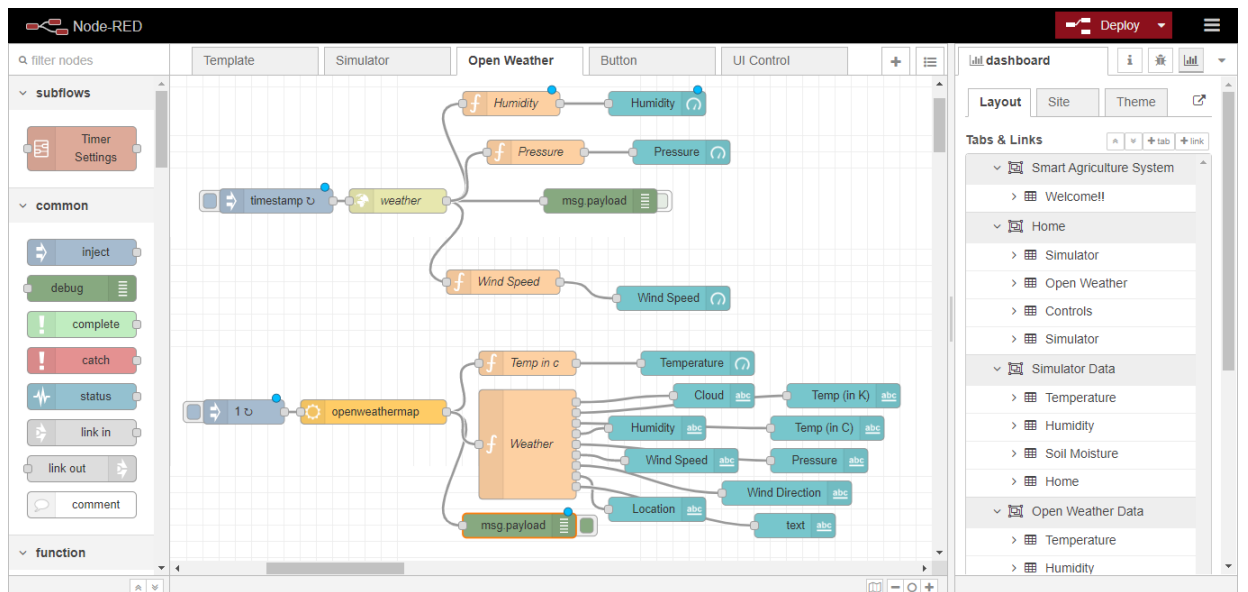| Team ID	PNT2022TMID51719
Team Leader	SUREKHA S.K
Team Members	DENSIYA .I FENILDA RIJU R.F NISHA M.N

Creating a Web Application using Node-RED :

- Create an IBM account.

- Create a device in IBM Cloud Account.

- Install Node-RED and download all the required nodes and configure the nodes.

- Create the open weather map account and get the API key and the weather conditions using API key in the Node-RED.
- Create a web application for user interaction for observation and control actions.
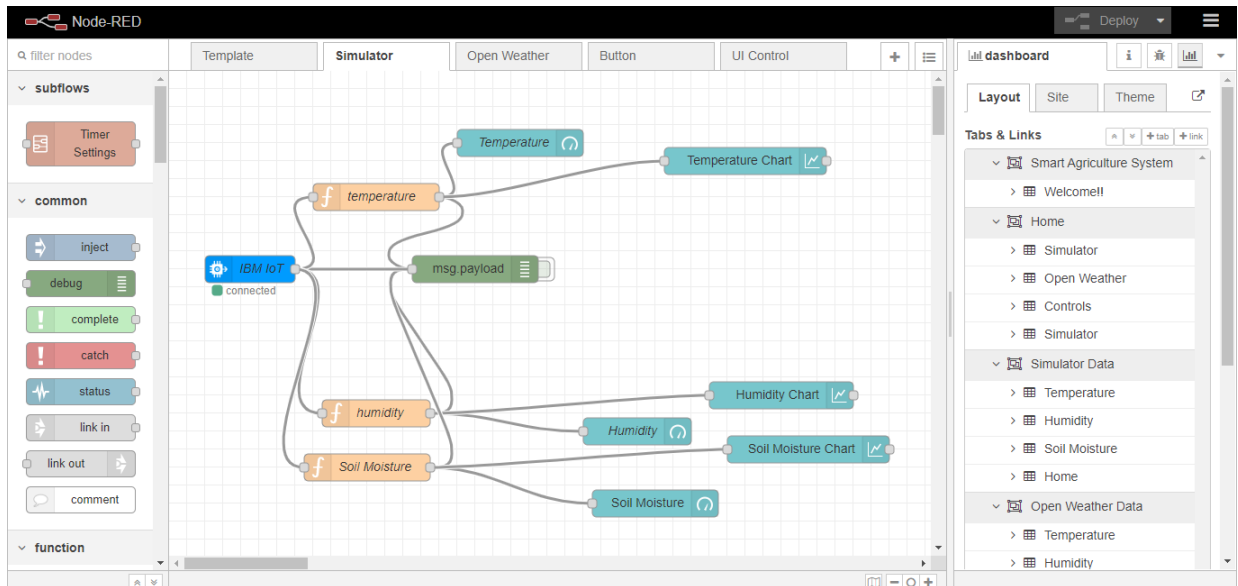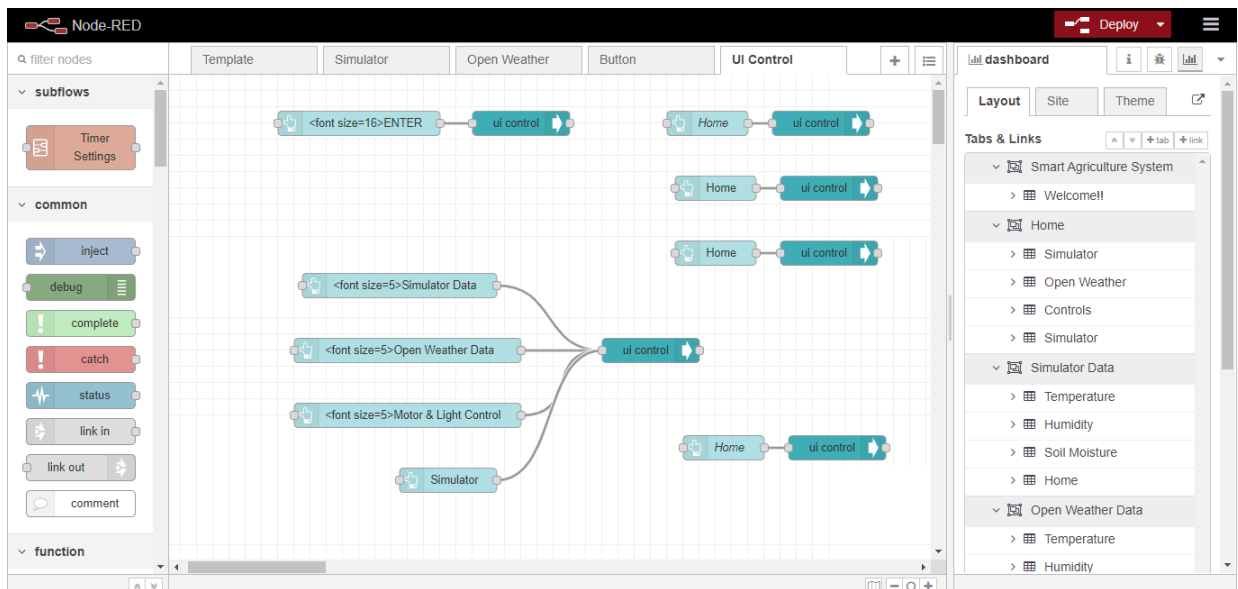
- **Node Flow for Buttons :**

- **Node Flow for OpenWeather Data :**

• Node Flow for Simulator :

• Node Flow for UI Control :

- ## **Web Application :**

Smart Agriculture System

Weather from Simulator ▲

Temperature   Humidity

17 °C   77 %

Object Temperature

24 °C

Weather from OpenWeather ▲

Temperature   Humidity

32.2 °C   49 %

Wind Speed

6.24 meter/sec