SPRINT 3
Framework (Local system deployment)

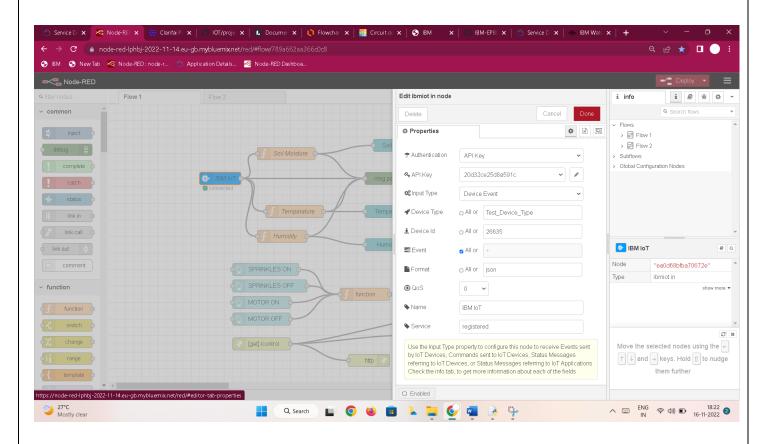
Team ID	PNT2022TMID27071
Project Name	Project – IoT based Smart Crop Protection for
	Agriculture

### **Local deployment:**

➤ In this case, the entire application is contained within a virtual directory and all the contents and assemblies are contained within it and available to the application.

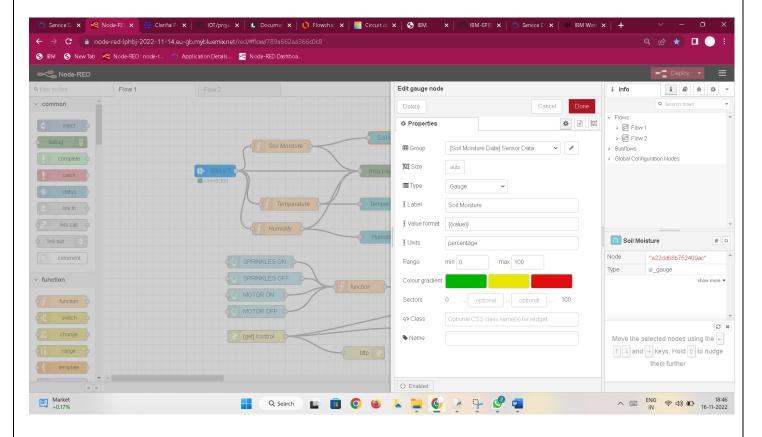
# **5.3 Configuration of Node-Red to send commands to IBM cloud:**

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.

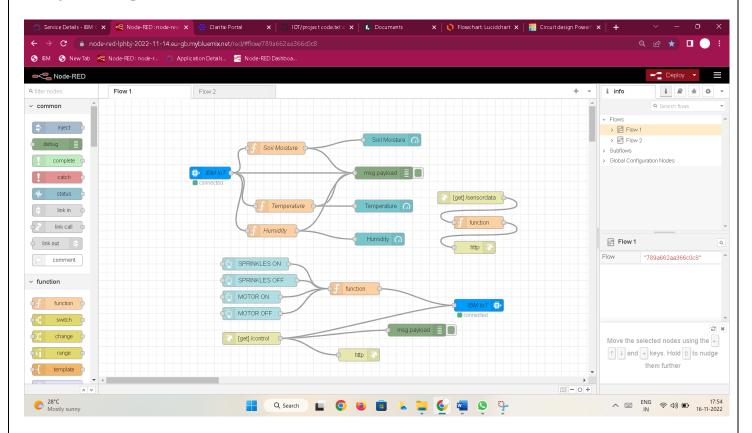


# **5.4 Adjusting User Interface:**

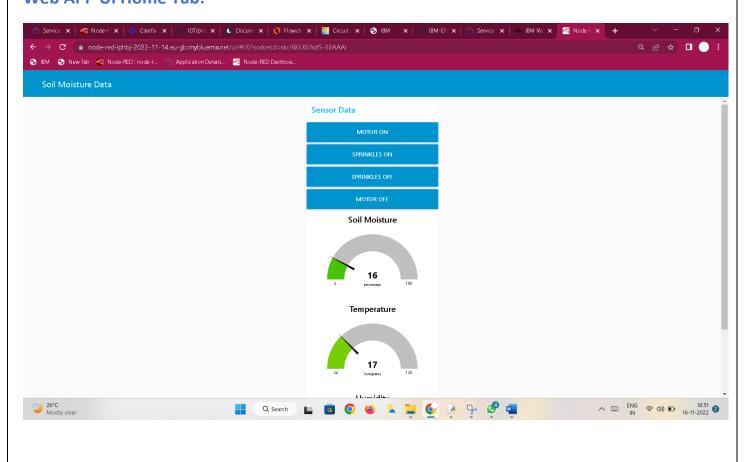
In order to display the parsed JSON data a Node-Red dashboard is created Here we are using Gauges, text and button nodes to display in the UI and helps to monitor the parameters. Below images are the Gauge, text and button node configurations.

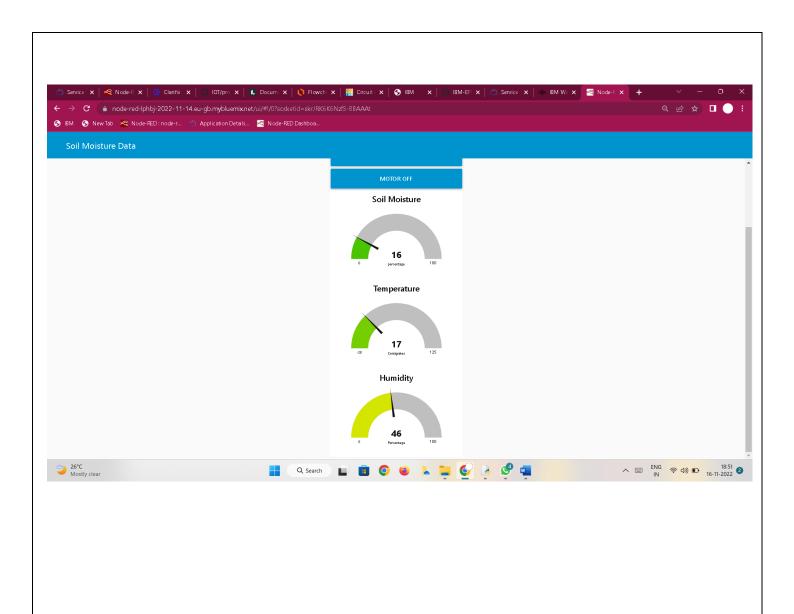


### **Complete Program Flow:**

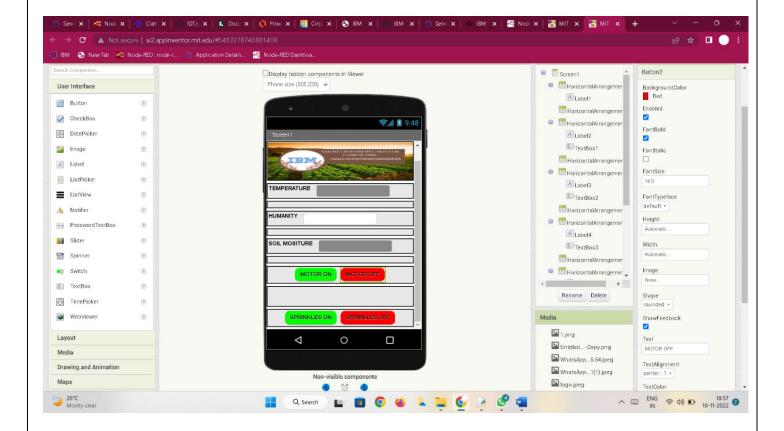


#### Web APP UI Home Tab:





#### **MIT APPS:**



# **Final Output:**



