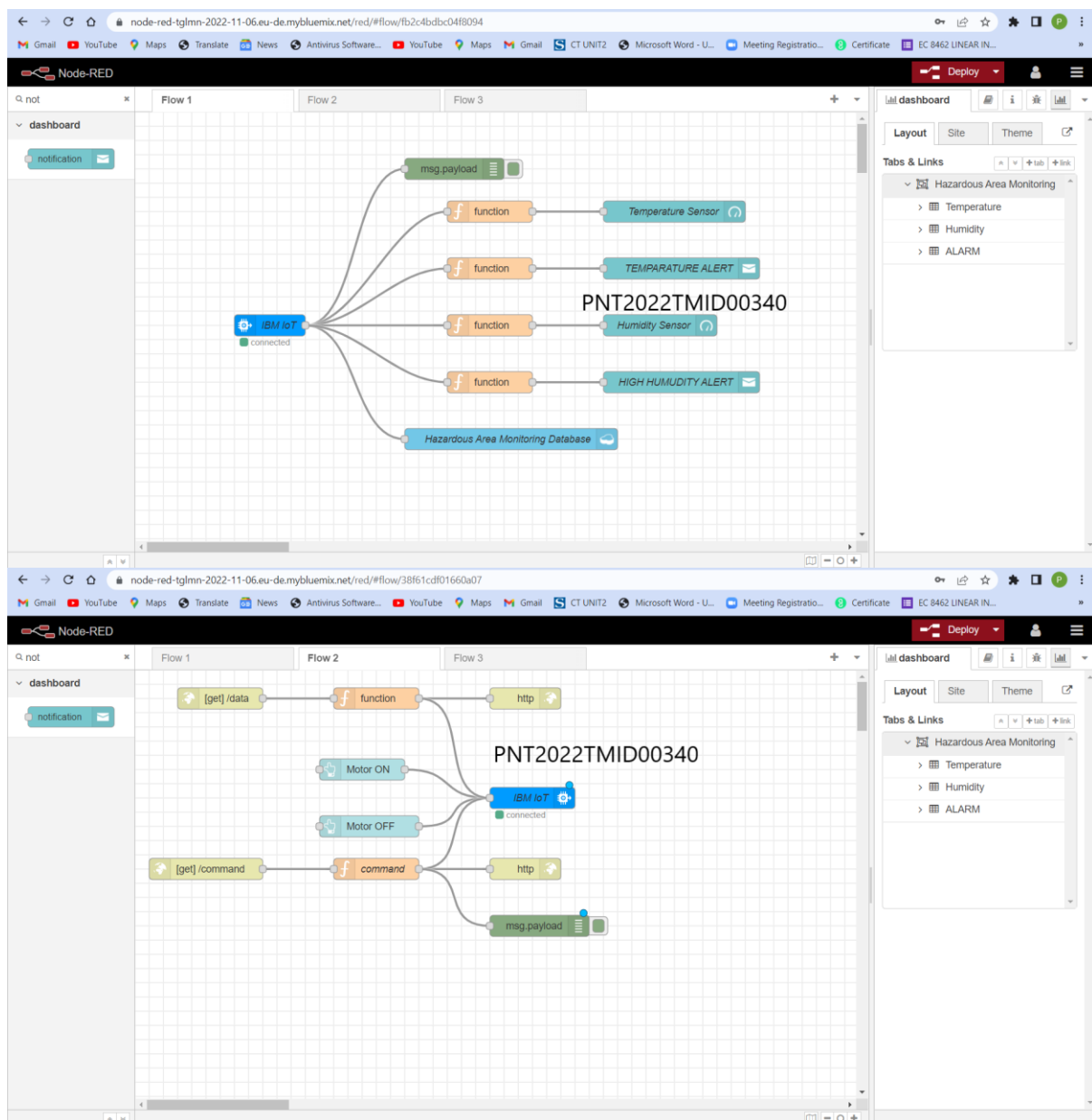


Design an UI To Display the Temperature and Humidity

Team ID	PNT2022TMID00340
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT

Design Flow in Node-RED:



MIT-APP INVENTOR:

The image displays two screenshots of the MIT App Inventor web interface, showing the design and logic blocks for an application titled "HazardousAreaMonitoring".

Top Screenshot (Design View):

- Palettes:** The left palette shows "User Interface" components like Button, CheckBox, DatePicker, Image, Label, ListPicker, ListView, Notifier, PasswordTextBox, Slider, Spinner, Switch, TextBox, TimePicker, and WebViewer. The right palette shows "Properties" for the selected "Screen1" component.
- Viewer:** The central area shows a mobile app preview. It features a "Temperature" label with a corresponding input field, a "Humidity" label with a corresponding input field, a "Motor ON" button, a "Motor OFF" button, and a large text display showing "PNT2022TMID00340".
- Components:** The right side shows a list of components added to the screen, including HorizontalArrangement1, Label1, TextBox1, HorizontalArrangement2, Label2, TextBox2, Button1, Button2, Web1, Clock1, and Web2.

Bottom Screenshot (Blocks View):

- Blocks:** The left palette shows "Built-in" blocks categorized by Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, Procedures, and Screen1. The right palette shows "Media" components.
- Viewer:** The central area shows the logic blocks for the app. It includes a "when Web1 GetText" block that triggers a series of actions: "set global temperature to", "look up in pairs key", "pairs", "call Web1 JsonTextDecode", "jsonText", "get responseContent", "set global humidity to", "look up in pairs key", "pairs", "call Web1 JsonTextDecode", "jsonText", "get responseContent", "set global temperature to", "look up in pairs key", "pairs", "call Web1 JsonTextDecode", "jsonText", "get responseContent", "set global humidity to", "look up in pairs key", "pairs", "call Web1 JsonTextDecode", "jsonText", "get responseContent".

Communication with MOBILE APP:

