

DEVELOP WEB APPLICATION USING NODE-RED

Team ID	PNT2022TMID04551
Project Name	Signs with Smart Connectivity for Better Road Safety

STEPS:

STEP-1: Pass the values from node-red to MIT APP INVENTOR.

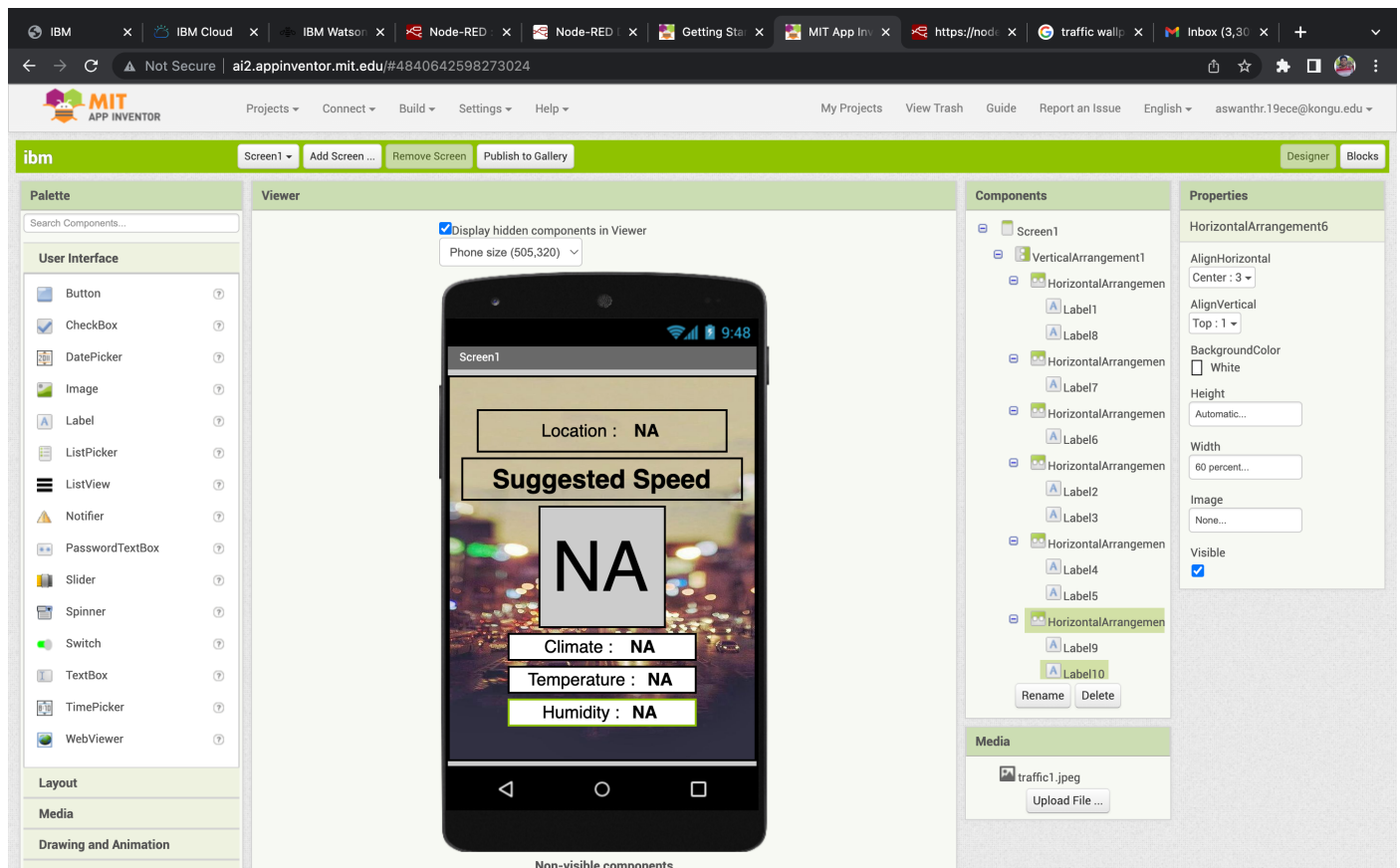
STEP-2: Place various components like buttons, textbox from left side panel on to the designer side of MIT APP INVENTOR.

STEP-3: After designing all the components, add corresponding blocks required to connect to node-red.

STEP-4: Click on the CONNECT option on the top and select AI COMPANION to get a scan code.

STEP-5: Install the same app on your mobile phone and scan the code.

MIT APP INVENTOR WEBSITE (DESIGNER):



MIT APP INVENTOR WEBSITE (BLOCKS):

The screenshot displays the MIT App Inventor web interface. The browser's address bar shows the URL <https://ai2.appinventor.mit.edu/#4840642598273024>. The page header includes the MIT App Inventor logo and navigation links: Projects, Connect, Build, Settings, and Help. The user's name, aswanthr.19ece@kongu.edu, is visible in the top right corner.

The interface is divided into two main sections: **Blocks** on the left and **Viewer** on the right.

Blocks Panel:

- Built-in:** Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, Procedures.
- Screen1:**
 - VerticalArrangement1
 - Label1
 - Label8
 - HorizontalArrangement1
 - Label7
- Media:** Upload File ...

Viewer Panel:

The code blocks are as follows:

```
when Clock1.Timer do
  set Web1.Url to "https://node-red-ydknv-2022-11-17.eu-gb.mybluemix.net/"
  call Web1.Get

when Web1.GetText do
  url responseCode responseType responseContent
  do
    set Label8.Text to look up in pairs key Location pairs
    call Web1.JsonTextDecode jsonText get responseContent
    not found not found
    set Label6.Text to look up in pairs key Speed pairs
    call Web1.JsonTextDecode jsonText get responseContent
    not found not found
    set Label3.Text to look up in pairs key Climate pairs
    call Web1.JsonTextDecode jsonText get responseContent
    not found not found
    set Label5.Text to look up in pairs key Temperature pairs
    call Web1.JsonTextDecode jsonText get responseContent
    not found not found
    set Label10.Text to look up in pairs key Humidity pairs
    call Web1.JsonTextDecode jsonText get responseContent
    not found not found
```

At the bottom of the viewer, there are warning indicators (0 warnings) and a "Show Warnings" button. The footer contains the text "Privacy Policy and Terms of Use".