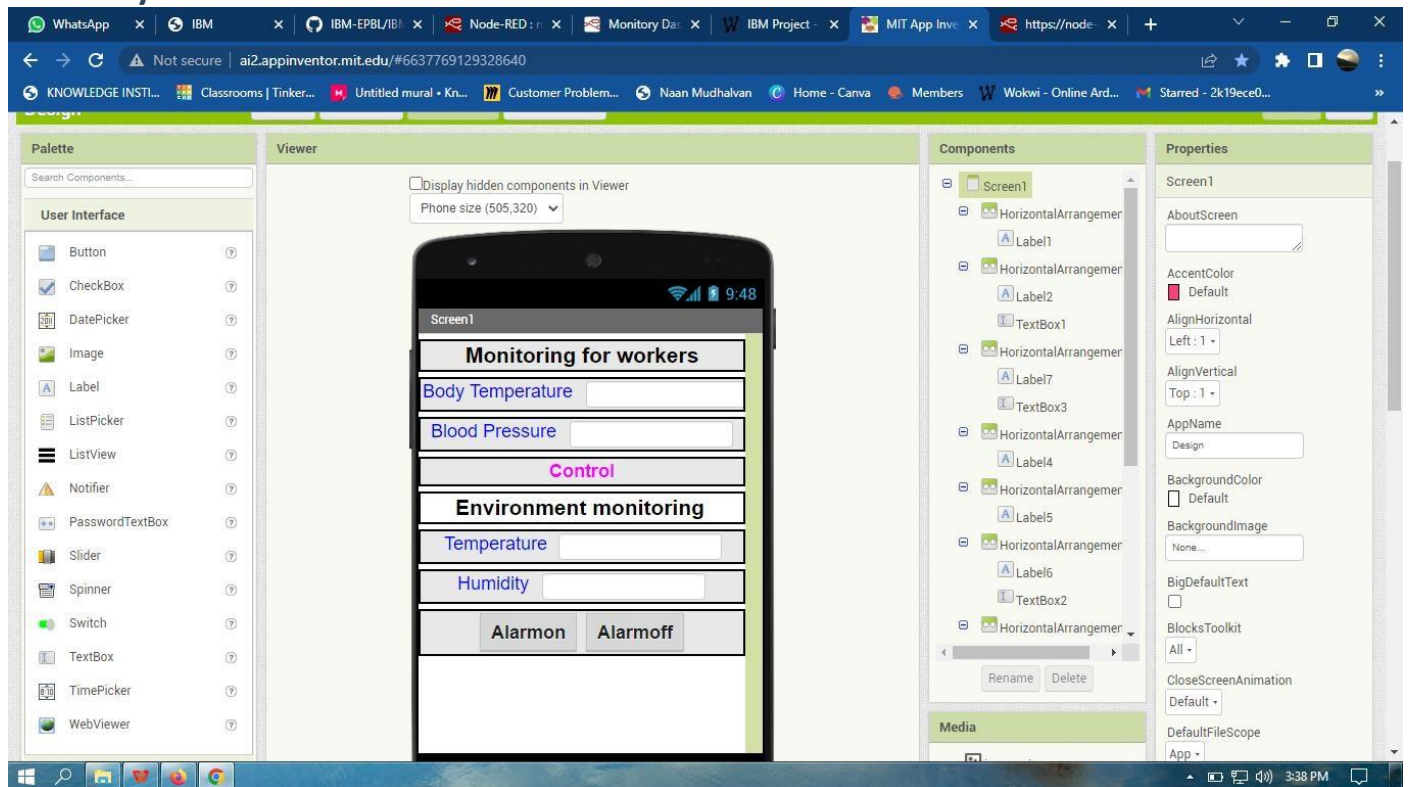


# BUILDING MOBILE APP

Date	18 November 2022
Team ID	PNT2022TMID54458
Project Name	Hazardous Area Monitoring for Industrial Plant powered by IoT

## Design Your UI To Display The Temperature, Humidity



## Configure The Application To Receive The Data From Cloud.

The screenshot shows the MIT App Inventor Monitory interface. The left sidebar contains a 'Blocks' palette with categories like Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, and Procedures. The main 'Viewer' area displays the following code blocks:

- when Clock1.Timer**
  - do **set Web1.Url** to `"https://node-red-zhcmv-2022-10-30.eu-gb.mybluemix.net"`
  - do **call Web1.Get**
- when Web1.GotText**
  - url: `responseCode`, `responseType`, `responseContent`
  - do **set TextBox1.Text** to **look up in pairs** key: `temperature` pairs: **call Web1.JsonTextDecode** jsonText: **get responseContent**
  - notFound**: `not found`
  - set TextBox2.Text** to **look up in pairs** key: `heartrate` pairs: **call Web1.JsonTextDecode** jsonText: **get responseContent**
  - notFound**: `not found`
- when Clock2.Timer**
  - do **set Web2.Url** to `"https://node-red-zhcmv-2022-10-30.eu-gb.mybluemix.net"`

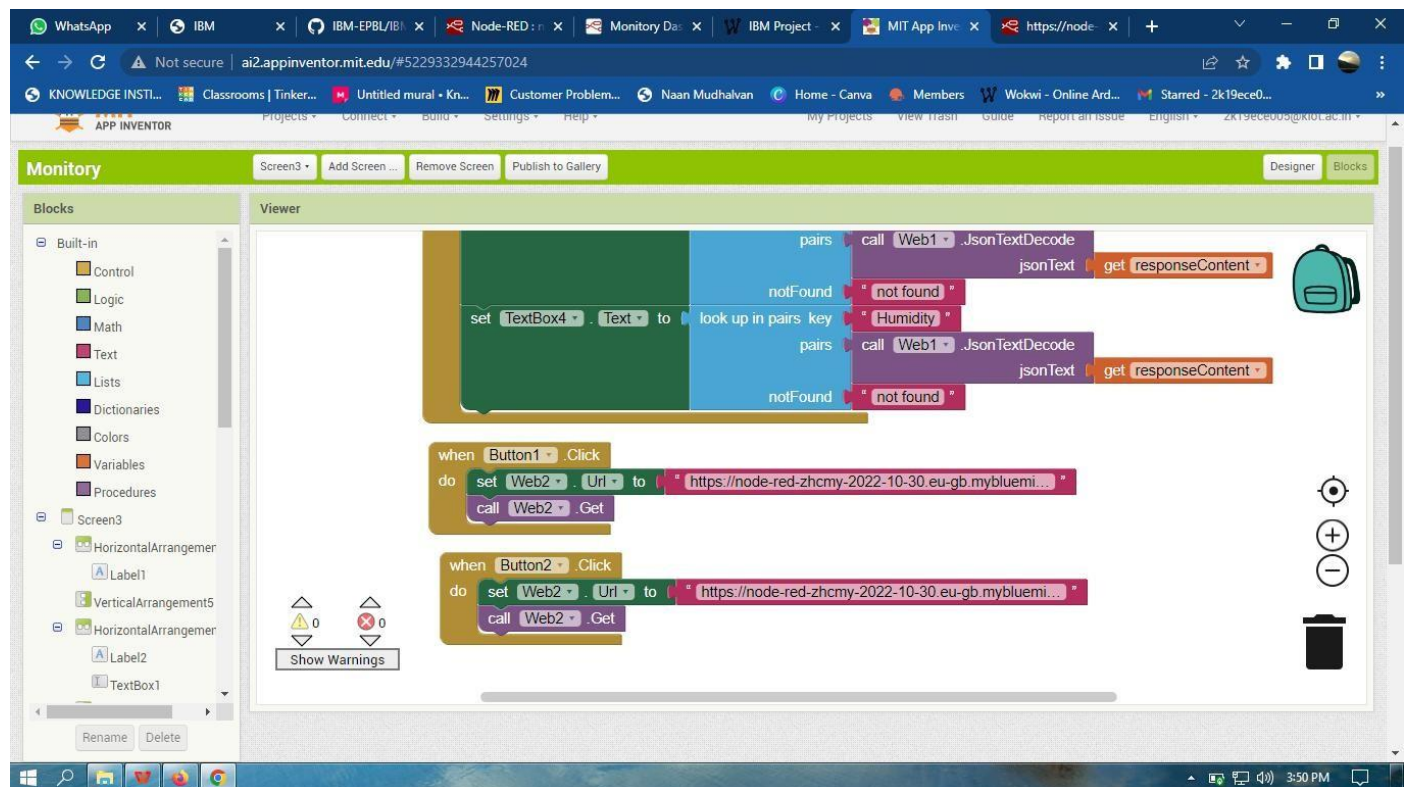
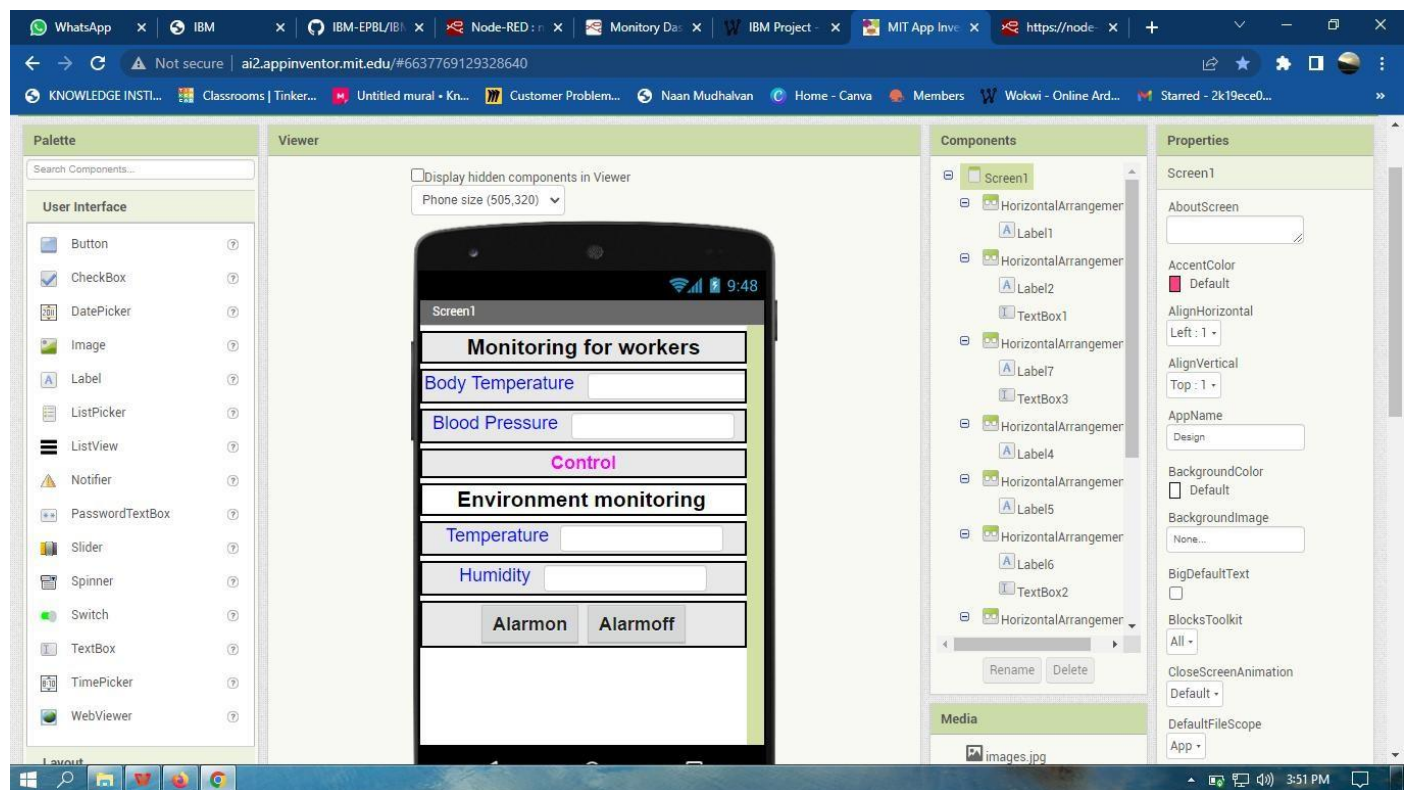
The bottom status bar shows the time as 3:42 PM.

The screenshot shows the MIT App Inventor Monitory interface with the following code blocks:

- when Web2.GotText**
  - url: `responseCode`, `responseType`, `responseContent`
  - do **set TextBox3.Text** to **look up in pairs** key: `Temperature` pairs: **call Web1.JsonTextDecode** jsonText: **get responseContent**
  - notFound**: `not found`
  - set TextBox4.Text** to **look up in pairs** key: `Humidity` pairs: **call Web1.JsonTextDecode** jsonText: **get responseContent**
  - notFound**: `not found`

The bottom status bar shows the time as 3:42 PM.

## Configure The Mobile App For Controlling Motor Using Buttons.



## Mobile App Screenshots:



3:16 PM

25.2KB/s VoWiFi 79

Screen1

# Welcome



Continue

3:18 PM

3.0KB/s 3G Vo WiFi 79

Screen2



**User Name :** Arvin Raj P

**Password :** 123456788

**LOGIN**

3:21 PM

8.5KB/s 8.5KB/s Vo WiFi 79

Screen3

## Environmental parameters

Temperature. 46

Humidity . 66

## Workers Body Condition

Temperature. 74.3

Heart Rate . 52.5

Alarm ON

Alarm OFF