

SPRINT 3

Team ID	PNT2022TMID00378
Project Name	Gas Leakage Monitoring and Alerting System

S.NO	Tools & Technology Used
1	MIT App Inventor – For Creating Application
2	Manual Testing – Apps are tested manually

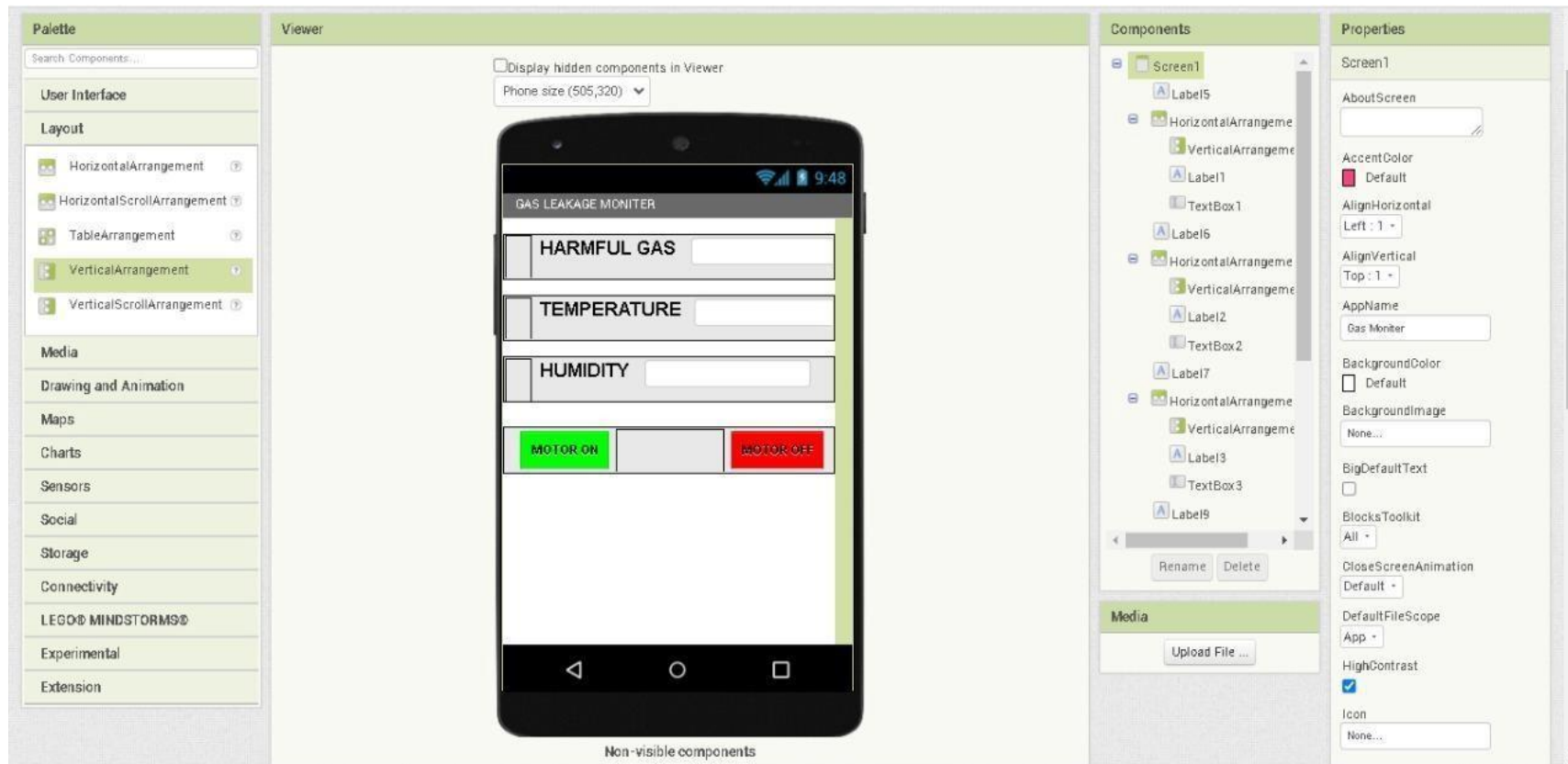
BLOCK CREATION:

The screenshot displays the Node-RED interface for a project named "Gas_monitor". The top bar includes buttons for "Screen1", "Add Screen...", "Remove Screen", and "Publish to Gallery", along with "Designer" and "Blocks" tabs. The left sidebar shows a "Blocks" panel with categories like Built-in, Screen1, and various UI components. The main workspace, labeled "Viewer", contains a flow with the following blocks:

- Block 1:** "when Clock1 - Timer" (yellow) with a "do" loop containing:
 - "set Web1 - Uri" (green) set to "https://node-red-logs-2022-11-05.au-syd.mybluem..."
 - "call Web1 - Get" (purple)
- Block 2:** "when Web1 - Got Text" (yellow) with a "do" loop containing:
 - "responseCode" (green) and "responseContent" (green) outputs.
 - "set TextBox1 - Text" (green) set to "look up in pairs key 'harmful_gas'".
 - "pairs" (blue) block with "call Web1 - JsonTextDecode" (purple) and "jsonText" (green) output.
 - "notFound" (green) set to "not found".
 - "set TextBox2 - Text" (green) set to "look up in pairs key 'temperature'".
 - "pairs" (blue) block with "call Web1 - JsonTextDecode" (purple) and "jsonText" (green) output.
 - "notFound" (green) set to "not found".
 - "set TextBox3 - Text" (green) set to "look up in pairs key 'humidity'".
 - "pairs" (blue) block with "call Web1 - JsonTextDecode" (purple) and "jsonText" (green) output.
 - "notFound" (green) set to "not found".
- Block 3:** "when Button1 - Click" (yellow) with a "do" loop containing:
 - "set Web2 - Uri" (green) set to "https://node-red-logs-2022-11-05.au-syd.mybluem..."
 - "call Web2 - Get" (purple)
- Block 4:** "when Button2 - Click" (yellow) with a "do" loop containing:
 - "set Web2 - Uri" (green) set to "https://node-red-logs-2022-11-05.au-syd.mybluem..."
 - "call Web2 - Get" (purple)

At the bottom left, there are two warning indicators (yellow triangles) and a "Show Warnings" button. On the right side, there are icons for a backpack, a target, a plus/minus button, and a trash can.

Home screen :



MOBILE SCREEN:

GAS LEAKAGE MONITER

HARMFUL GAS

53

TEMPERATURE

19

HUMIDITY

14

MOTOR ON

MOTOR OFF