

SPRINT-3

Team ID	PNT2022TMID30401
Project Name	Gas Leakage Monitoring and Alerting System

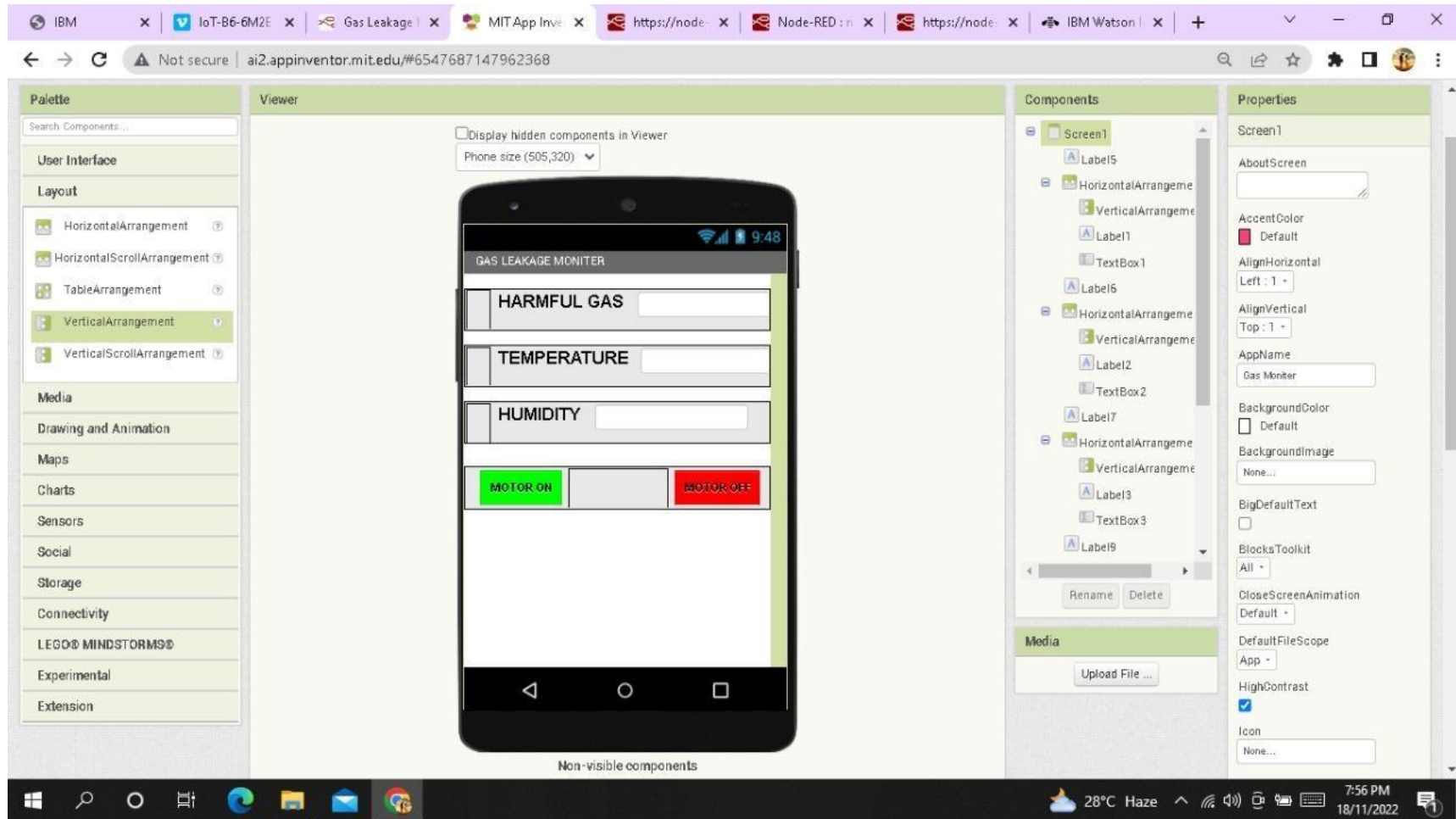
S.NO	Tools & Technology Used
1	MIT App Inventor – For Creating Application
2	Cloudant DB – Used as a Database to store the received sensor data
3	Manual Testing – Apps are tested manually

BLOCK CREATION:

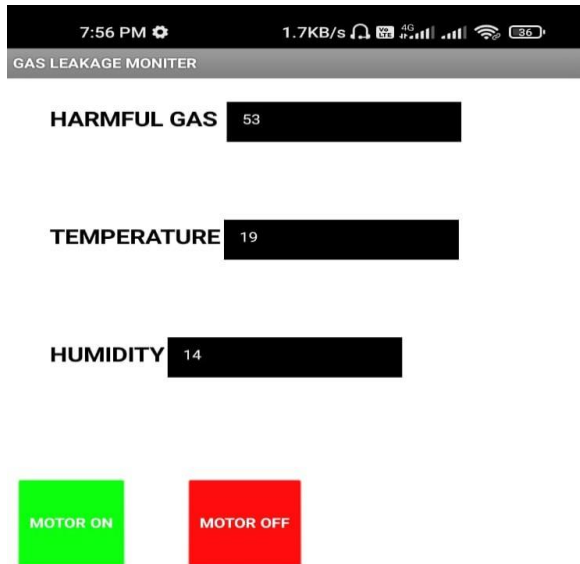
The screenshot displays the MIT App Inventor web interface for a project named "Gas_monitor". The interface is divided into several sections:

- Top Bar:** Includes the MIT App Inventor logo, navigation links (Projects, Connect, Build, Settings, Help), and user information (My Projects, View Trash, Guide, Report an Issue, English, balayogesh003@gmail.com).
- Project Bar:** Shows the project name "Gas_monitor" and tabs for "Screen1", "Add Screen...", "Remove Screen", and "Publish to Gallery".
- Blocks Palette:** Located on the left, it lists various block categories: Built-in (Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, Procedures), Screen1, Label5, HorizontalArranger, VerticalArranger, Label1, TextBox1, and Label6.
- Viewer:** The central area showing the visual representation of the app. It contains a sequence of blocks:
 - when Clock1.Timer** block followed by **set Web1.Uri to** and **call Web1.Get**.
 - when Web1.Get Text** block with a table of "look up in pairs" for "harmful_gas", "temperature", and "humidity", each followed by **call Web1.JsonTextDecode** and **get responseContent**.
 - when Button1.Click** block followed by **set Web2.Uri to** and **call Web2.Get**.
 - when Button2.Click** block followed by **set Web2.Uri to** and **call Web2.Get**.
- Designer:** The right side of the interface, currently showing a simple layout with a "Label5" and a "HorizontalArranger" containing "Label1", "TextBox1", and "Label6".
- Bottom Bar:** Shows the system clock as 7:57 PM on 18/11/2022, along with weather information (28°C Haze) and various system icons.

Home screen :



MOBILE SCREEN:



CLOUDANT DB:

The screenshot displays the Cloudant web interface for a database named 'gasmonitor_db'. The left sidebar contains navigation options: All Documents, Query, Permissions, Changes, and Design Documents. The main area shows a table of documents with columns for 'id', 'key', and 'value'. The 'value' column contains JSON objects with a 'rev' field. The interface includes a 'Create Document' button and a 'Showing document 1 - 20' status bar at the bottom.

id	key	value
02105e0e7483256f3d9454b6721ef60f	02105e0e7483256f3d9454b6721ef60f	{ "rev": "1-d3162ddba6ceb8ca43786..." }
02105e0e7483256f3d9454b67223b5...	02105e0e7483256f3d9454b67223b5...	{ "rev": "1-14a77531dc5cc744c7094..." }
02105e0e7483256f3d9454b67224cb...	02105e0e7483256f3d9454b67224cb...	{ "rev": "1-60d3cb6ba1c543ff967b09..." }
02105e0e7483256f3d9454b67224fa...	02105e0e7483256f3d9454b67224fa...	{ "rev": "1-ab091c75d85d3b2fb6790..." }
02105e0e7483256f3d9454b672284e...	02105e0e7483256f3d9454b672284e...	{ "rev": "1-707007af60f6ee86a34219..." }
02105e0e7483256f3d9454b6722876...	02105e0e7483256f3d9454b6722876...	{ "rev": "1-fc8a4900e8b835bb12d47..." }
04917f2365d1f680db461b98b0395f48	04917f2365d1f680db461b98b0395f48	{ "rev": "1-5c519fa45b00678909ad9f..." }
04917f2365d1f680db461b98b03b3a0a	04917f2365d1f680db461b98b03b3a0a	{ "rev": "1-c759ef73900eac5d1dbf7ff..." }
04917f2365d1f680db461b98b04075...	04917f2365d1f680db461b98b04075...	{ "rev": "1-6cc691c3c4f57986c448b5..." }
04917f2365d1f680db461b98b045c65c	04917f2365d1f680db461b98b045c65c	{ "rev": "1-87a40f2b8fd1bde87c466e..." }
04917f2365d1f680db461b98b0497d...	04917f2365d1f680db461b98b0497d...	{ "rev": "1-5c5b63535e1d78dea1e2d..." }