

# PROJECT DEVELOPMENT PHASE

## SPRINT – 3

Team ID	PNT2022TMID16845
Project Name	Industrial Specific Fire Management System
Date	19 November 2022

### **TASK:**

A mobile application for monitoring the Environmental parameters around the region of sensor has been developed using MIT mobile App inventor.

### **Screens Information:**

1. **Screen – 1:** It is the entry screen of the mobile application and will be displayed only for 3 seconds.
2. **Screen – 2:** It is the login page of the application. Each user has their own user id and password, which is known only to them. After validating the credential, User can access the data produced by their devices.
3. **Screen – 3:** It shows the temperature & humidity level in the web application even in the mobile application too.

### **Designer:**

- Images displayed in the Designer section, displays the Front-End of the user interface.
- Regular users can view the Designer section whenever they start the application.

## **SCREEN-1:**



## Screen 2:

Feb 2:24



**User Name:**

**Password :**

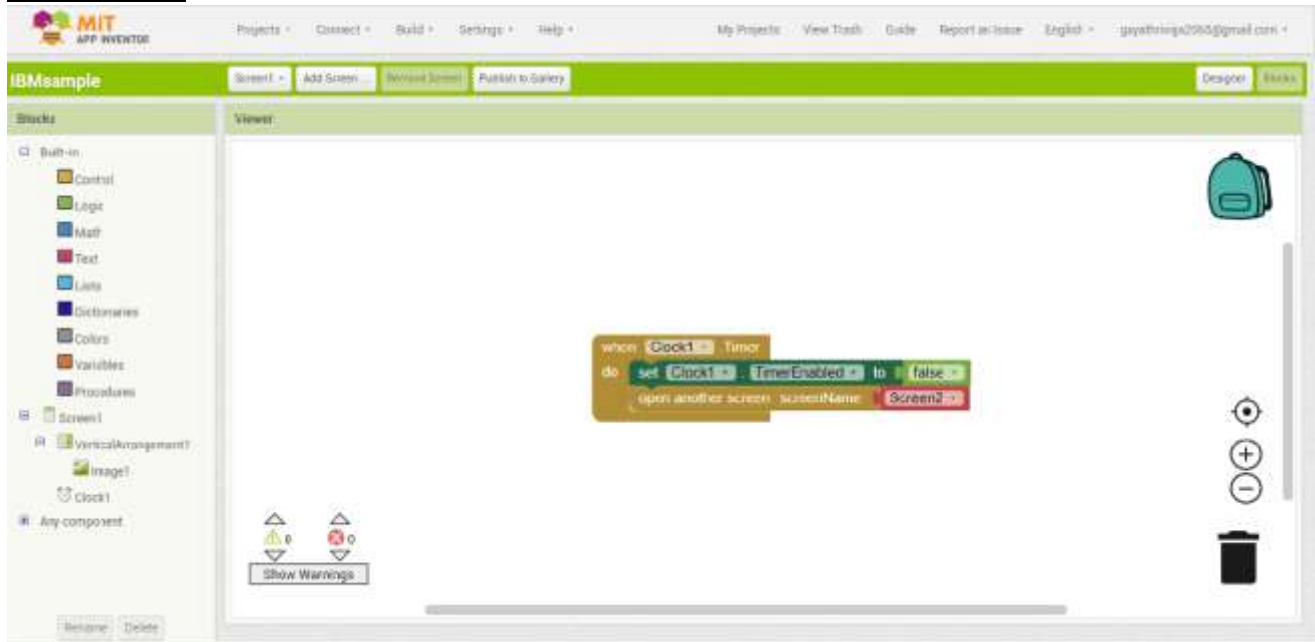
### Screen 3:



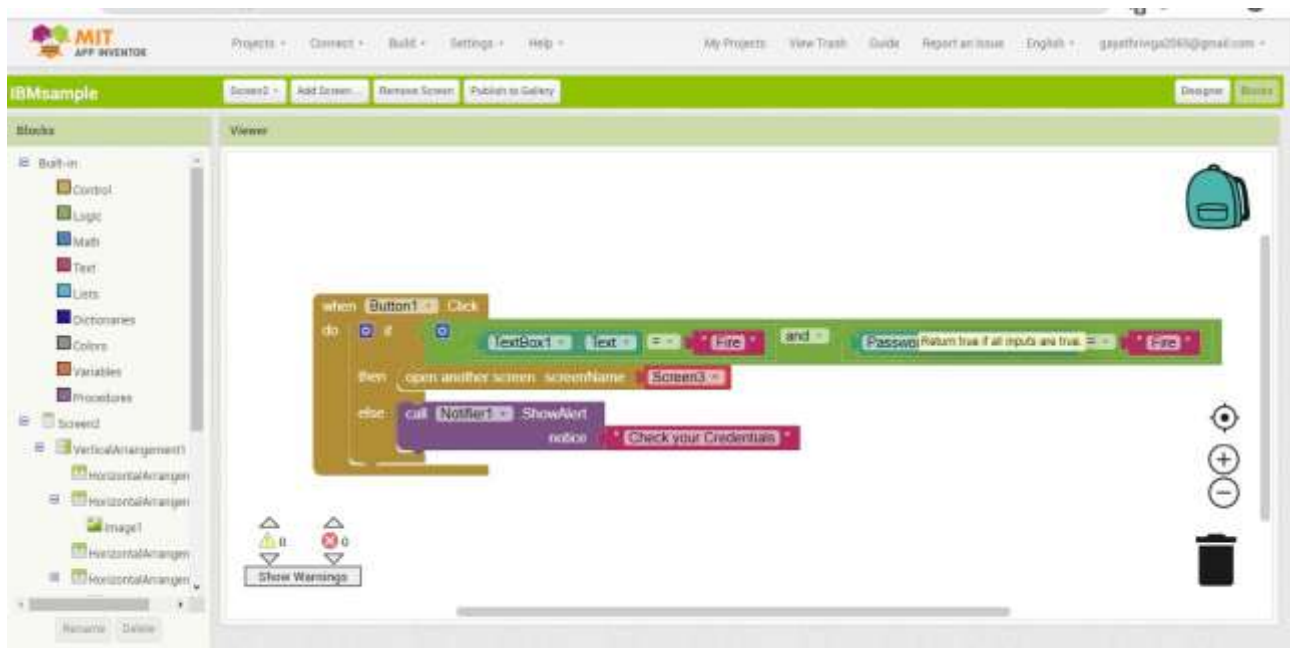
## **BLOCKS:**

- Images displayed in the Blocks section, displays the Back-End of the Mobile Application.
- Only developers have access to view and modify it.
- Proper working of the Application solely depends on the code developed in the Block section.

## **SCREEN-1:**



## **SCREEN-2:**



### SCREEN-3:

The screenshot displays the MIT App Inventor web interface. The top bar includes the project name "batch8" and buttons for "Screen1", "Add Screen...", "Remove Screen", and "Publish to Gallery". On the right, there are "Designer" and "Blocks" tabs.

The left sidebar, titled "Blocks", lists available components: Label1, HorizontalArranger, Label2, Label3, Label4, Label5, another HorizontalArranger, another Label1, another HorizontalArranger, another Label1, another HorizontalArranger, Button1, Button2, Web1, Web2, and Clock1. At the bottom of this sidebar, it says "Any component".

The main workspace, titled "Views", shows a visual programming script. It begins with a "when Clock1 Timer" block. Inside its "do" section, there is a "set Web1 Url to" block with the URL "https://node-red-jobk-2022-10-12.us-east.myblue" and a "call Web1 Get" block.

Below this is a "when Web1 GotText" block. It has three output ports: "responseCode", "responseType", and "responseContent". The "do" section contains two parallel logic paths. The first path sets "Label3 Text" to "look up in pairs key temp", then uses a "pairs" block to call "Web1 JsonTextDecode" with "jsonText" and "responseContent" inputs. It then branches: if successful, it sets "Label3 Text" to "not found"; if not found, it sets "Label3 Text" to "not found". The second path sets "Label5 Text" to "look up in pairs key hum", then uses another "pairs" block to call "Web1 JsonTextDecode" with "jsonText" and "responseContent" inputs. It also branches: if successful, it sets "Label5 Text" to "not found"; if not found, it sets "Label5 Text" to "not found".

At the bottom left of the workspace, there is a "Show Warnings" button and a warning icon showing 0 warnings.

On the right side of the workspace, there is a toolbar with icons for a backpack, a target, a plus sign, a minus sign, and a trash can.