

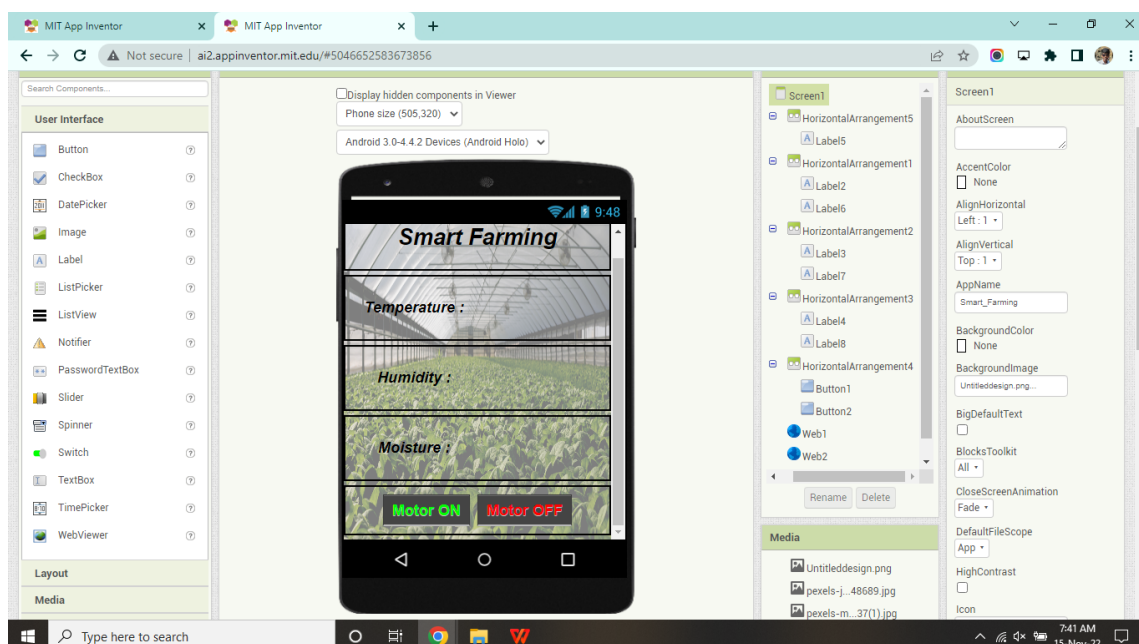
SPRINT-4

Date	07.11.2022
Team Id	PNT2022TMID02873
Project Name	Smart Farmer - IoT Enabled Smart Farming Application

Develop the Mobile Application:

- Develop the mobile application using MIT App inventor which should display all the sensor parameters and have the buttons to control the motors.
- The mobile app should have the following features
 - Display the sensor parameters
 - Buttons for controlling the motors
 - Should communicate with IBM cloud using APIs to get the sensor data and send the commands.

Front-End:



Back-End Code:

The screenshot shows the MIT App Inventor interface for a project named "Smart_Farming". The "Blocks" panel on the left lists various built-in blocks. The "Viewer" panel on the right displays the following code:

```
when Clock1 - Timer
do
  set Web1 - Url to https://node-red-xbhyg-2022-11-09.eu-gb.mybluemix.net/
  call Web1 - Get

when Web1 - GotText
do
  set Label6 - Text to look up in pairs key temperature
  pairs call Web1 - JsonTextDecode jsonText get responseContent
  not found not found
  set Label7 - Text to look up in pairs key humidity
  pairs call Web1 - JsonTextDecode jsonText get responseContent
  not found not found
  set Label8 - Text to look up in pairs key moisture
  pairs call Web1 - JsonTextDecode jsonText get responseContent
  not found not found
```

The screenshot shows the MIT App Inventor interface for a project named "Smart_Farming". The "Blocks" panel on the left lists various built-in blocks. The "Viewer" panel on the right displays the following code:

```
when Button1 - Click
do
  set Web2 - Url to https://node-red-xbhyg-2022-11-09.eu-gb.mybluemix.net/
  call Web2 - Get

when Button2 - Click
do
  set Web2 - Url to https://node-red-xbhyg-2022-11-09.eu-gb.mybluemix.net/
  call Web2 - Get
```

Output:

Android (.apk) Application:

