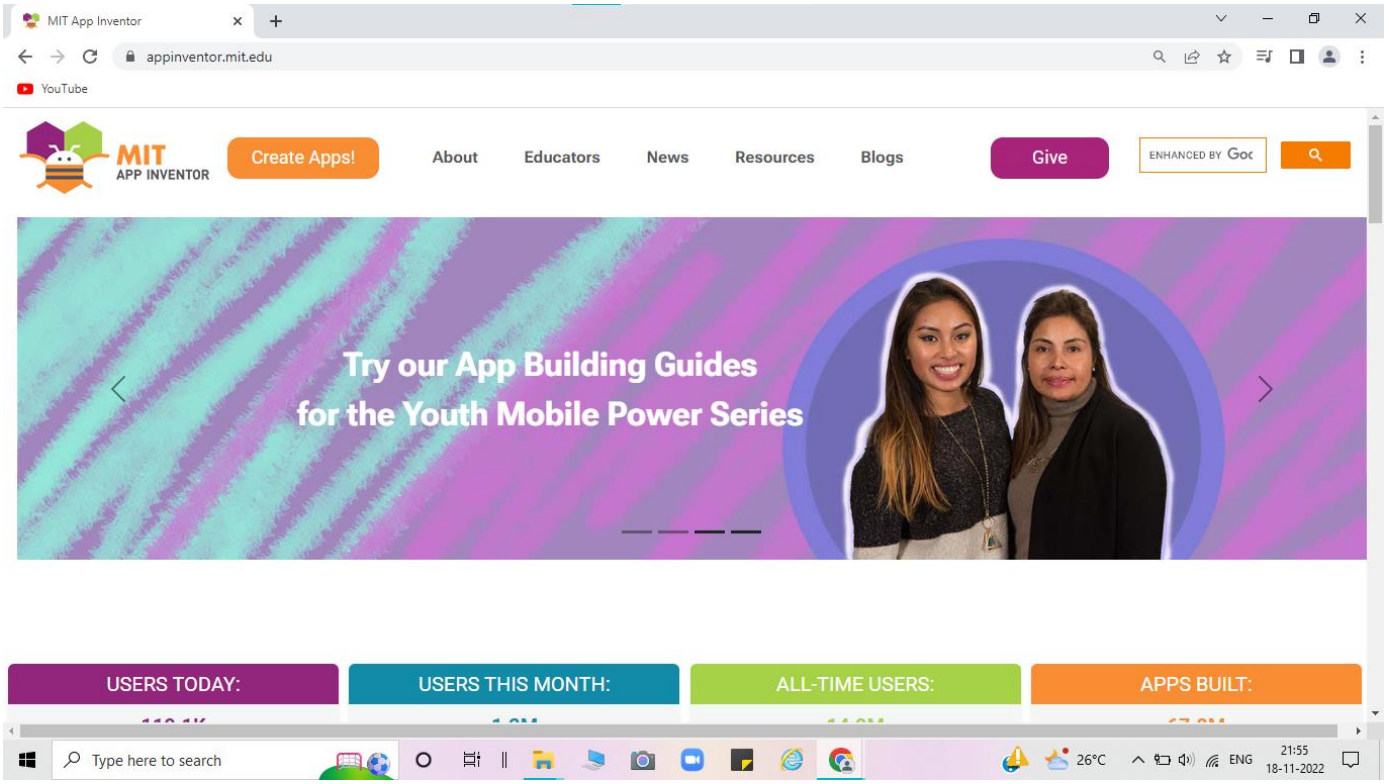
IOT ENABLED SMART FARMING APPLICATION

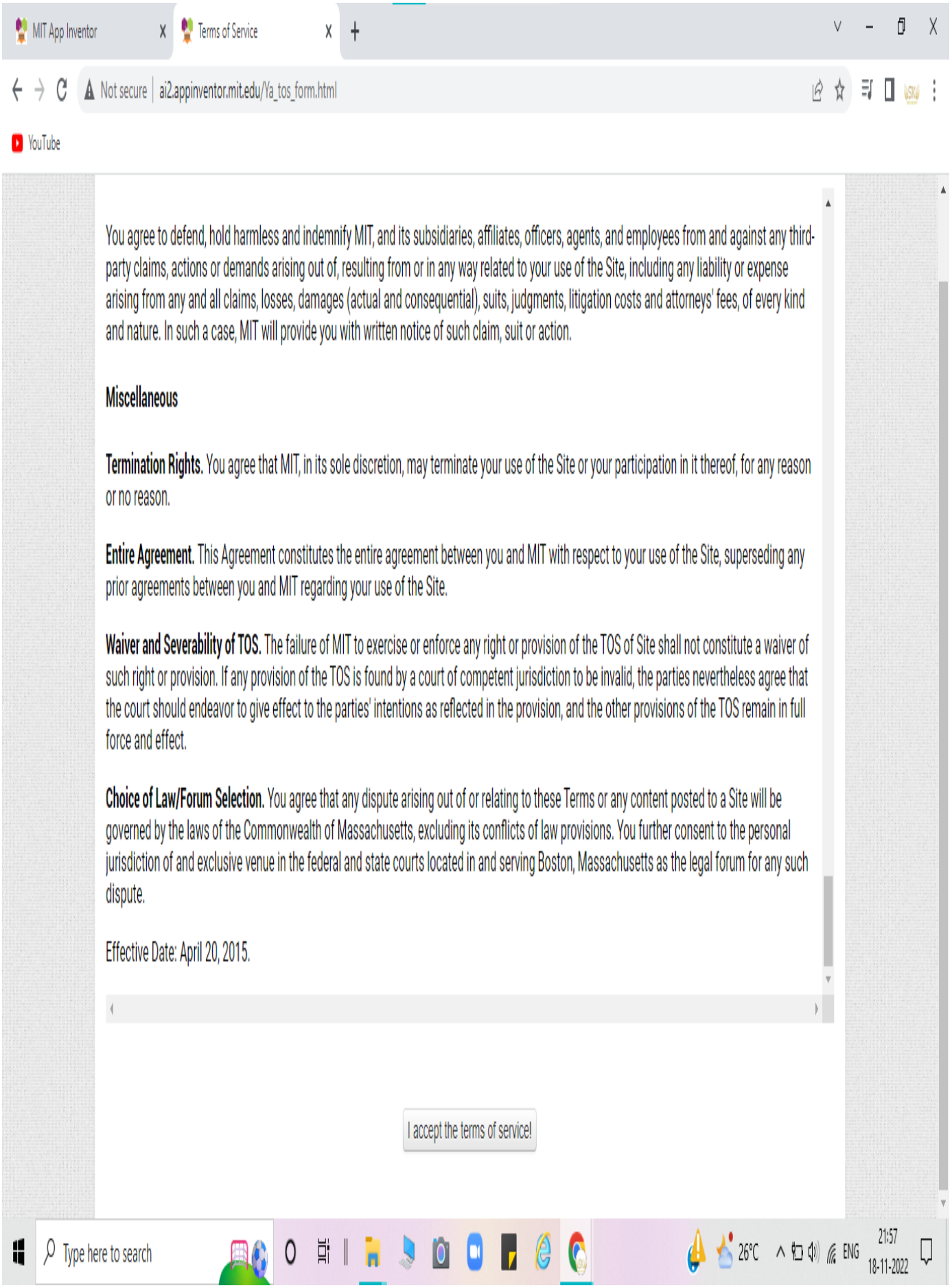
SPRINT DELIVERY - 3

Date	15 November 2022
Team ID	PNT2022TMID24904
Project Name	Project – Smart Farmer-IoT Enabled smart Farming Application

In Sprint-3 we are going to develop the Mobile web application

Step 1: Open chrome and type mit app inventor https://appinventor.mit.edu/ after clicking that link it redirecting to next page as shown below.

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Type here to search
26°C
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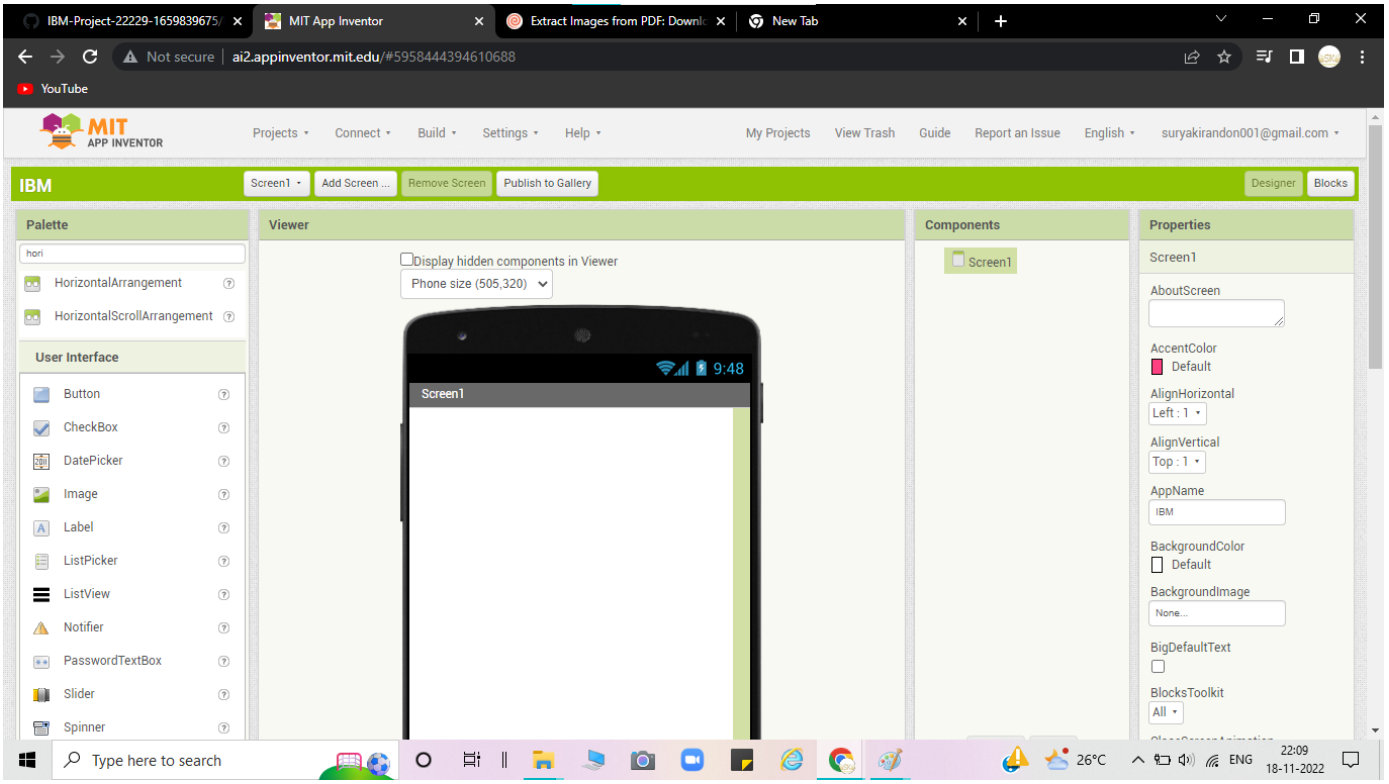
21:57
18-11-2022

Step-2: we have click create apps and need to sign into the mit app inventor .Itis redirecting into the next page and .select the new project give the project name. click ok. The given window will be open.



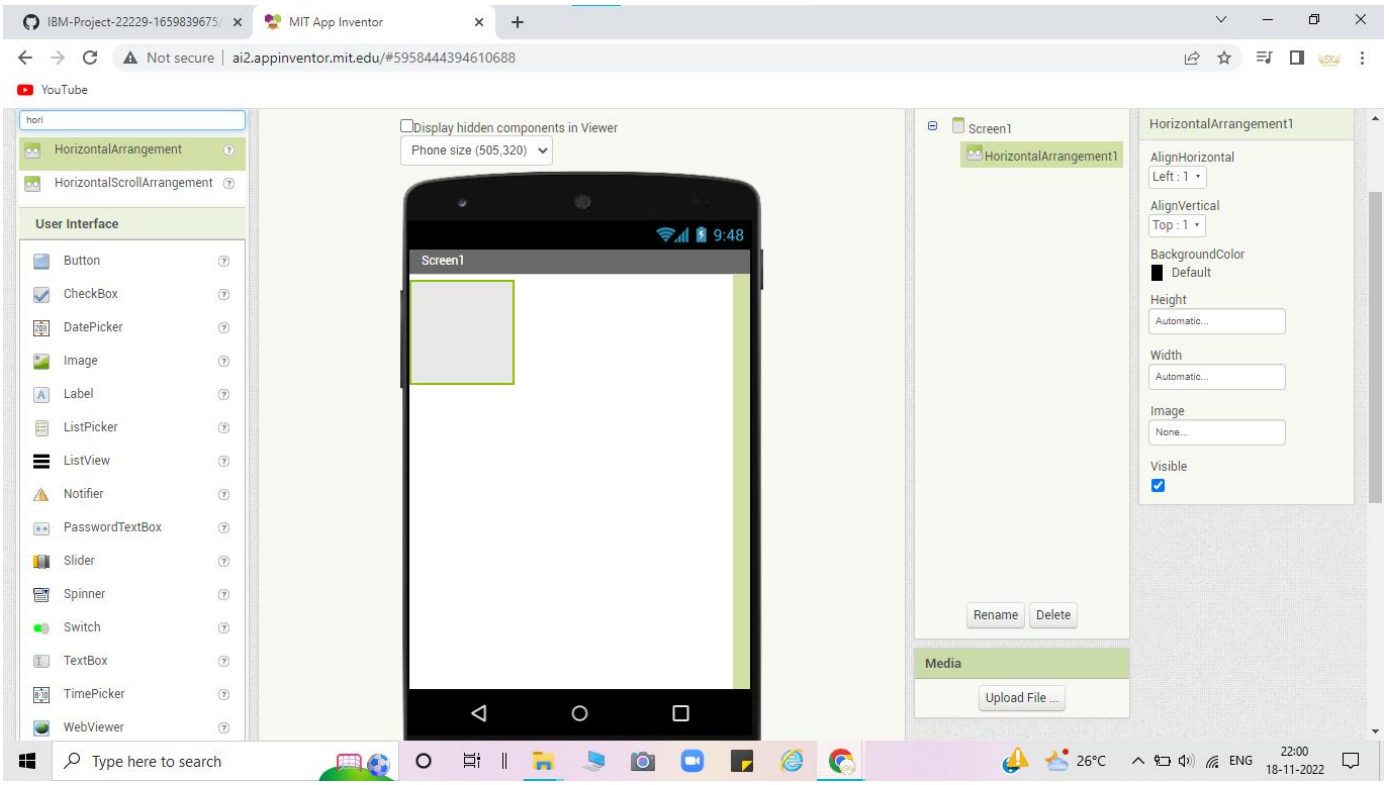
Step3: so while designing the mobile app there two

parts1.Designer

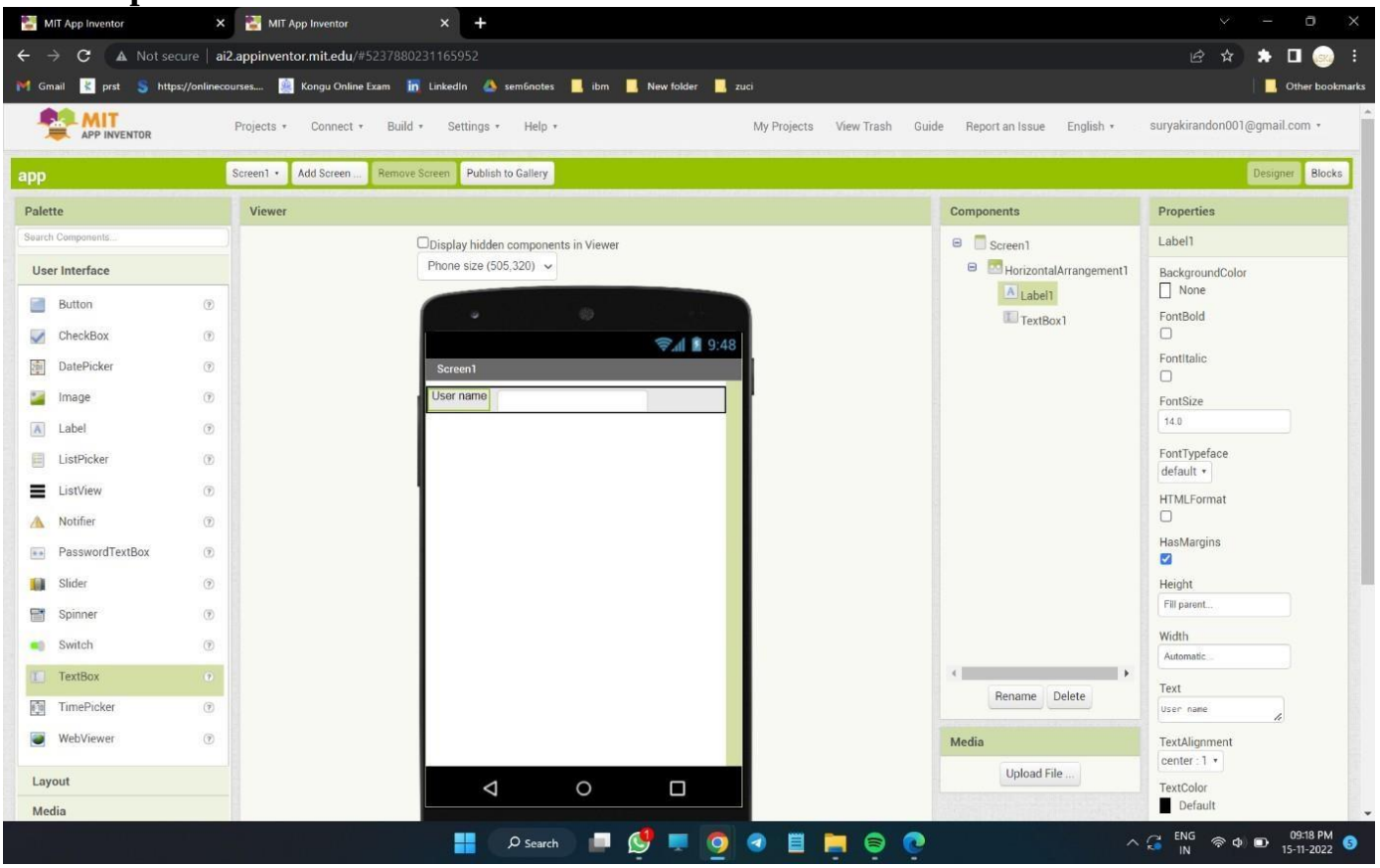
2.Blocks

First we are going to design the designer part.

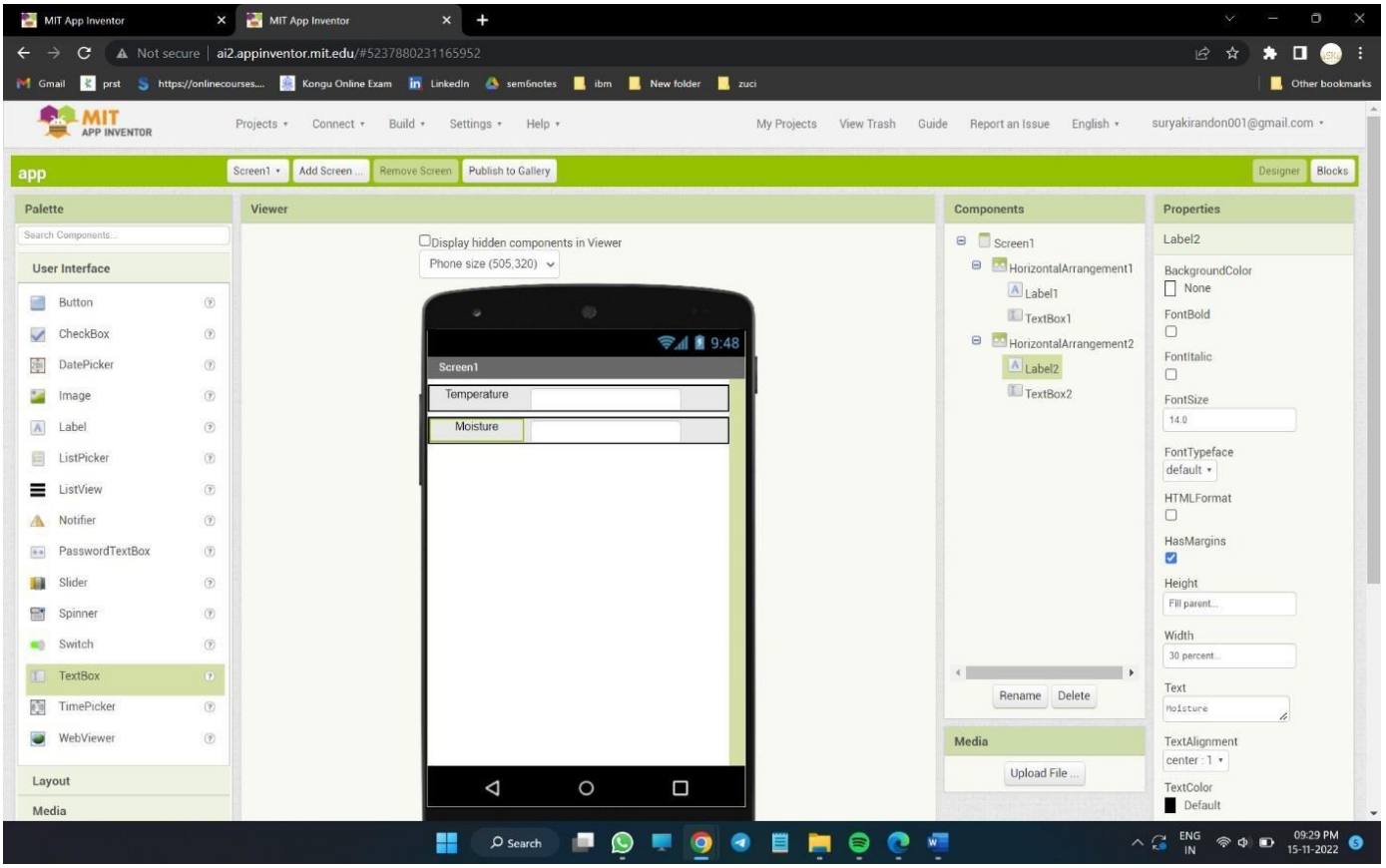
We need to add the horizontal arrangement-1 into mobile screen and we see incomponent section and their properties in right side of window. So we can change height and width, colour etc.



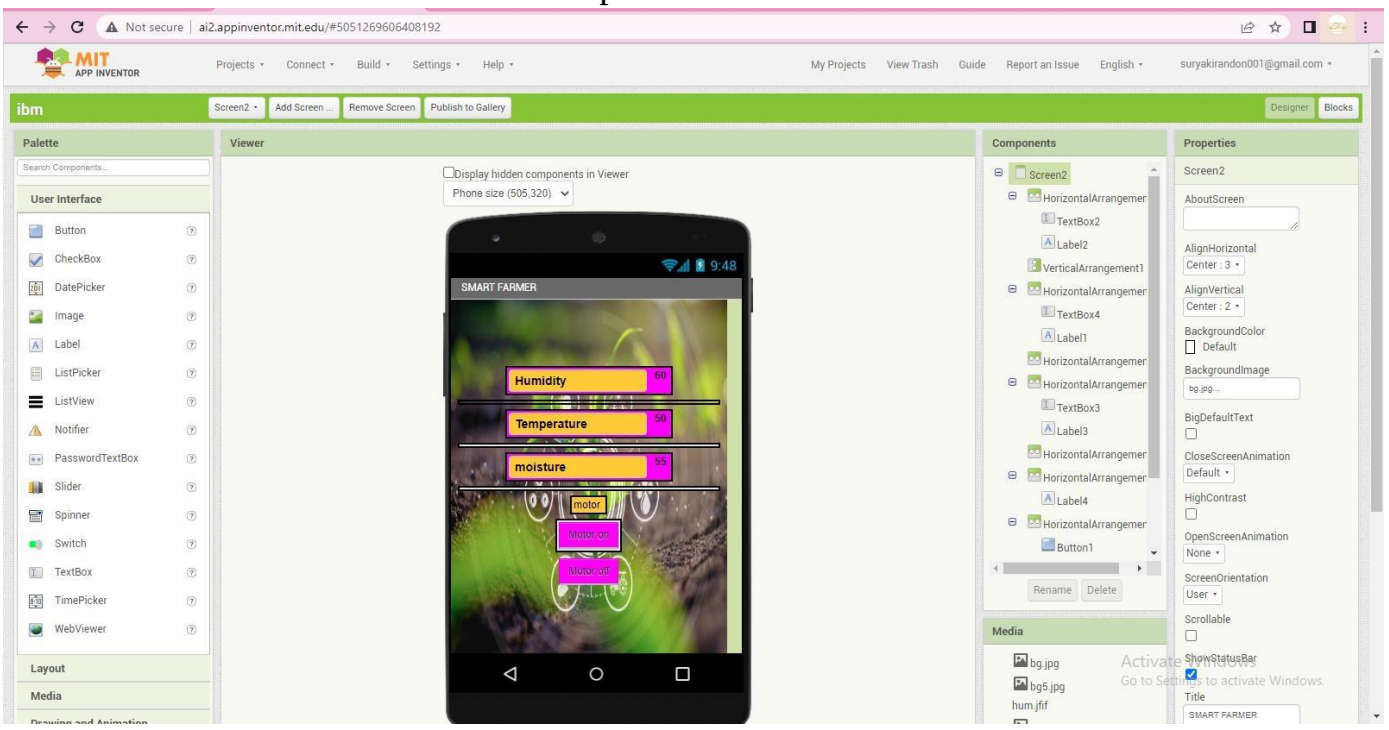
Step-1: Now we have to add Text box-1 and Label-1.



Step-2: Now rename the textbox-1,2,3 as temperature ,humidity and soil moisture.

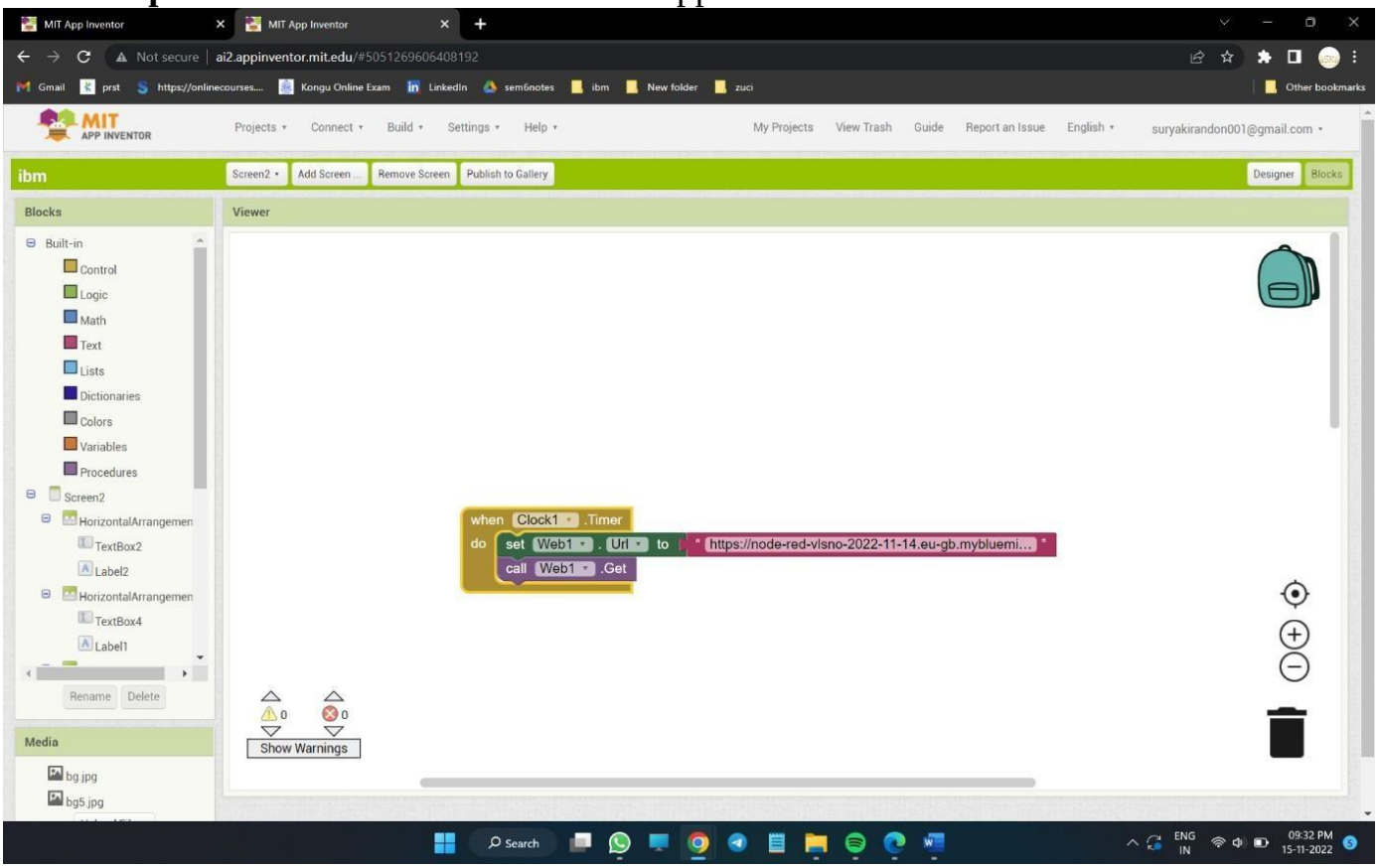


Step-3: Finally we have add the motor ON and motor OFF controls. Add the background themes http://ai2.appinventor.mit.edu/#5051269606408192 click the link the window will be open.

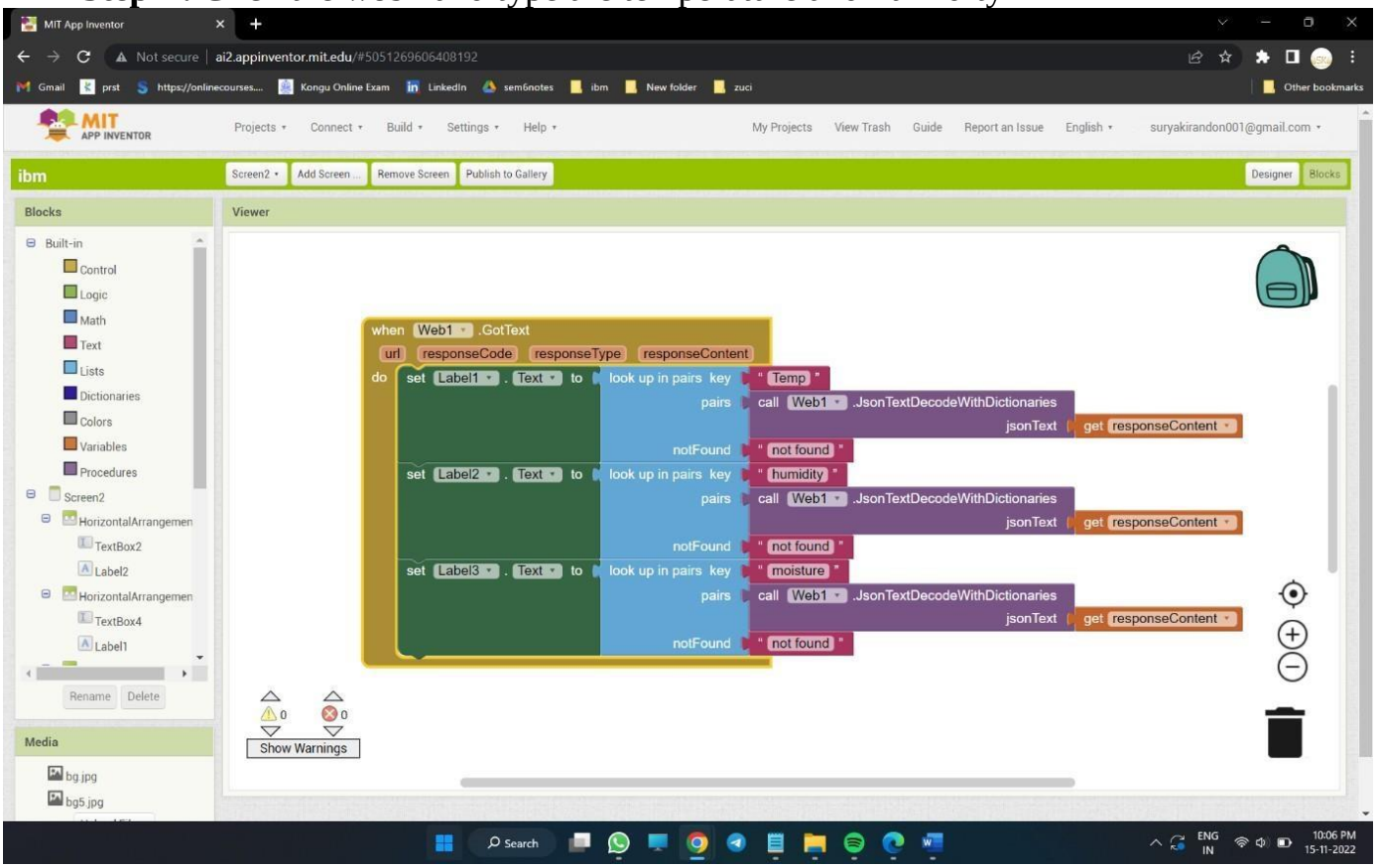


Second part of the mit app inventor is building the blocks to connect the nodered to MIT APP Inventor.

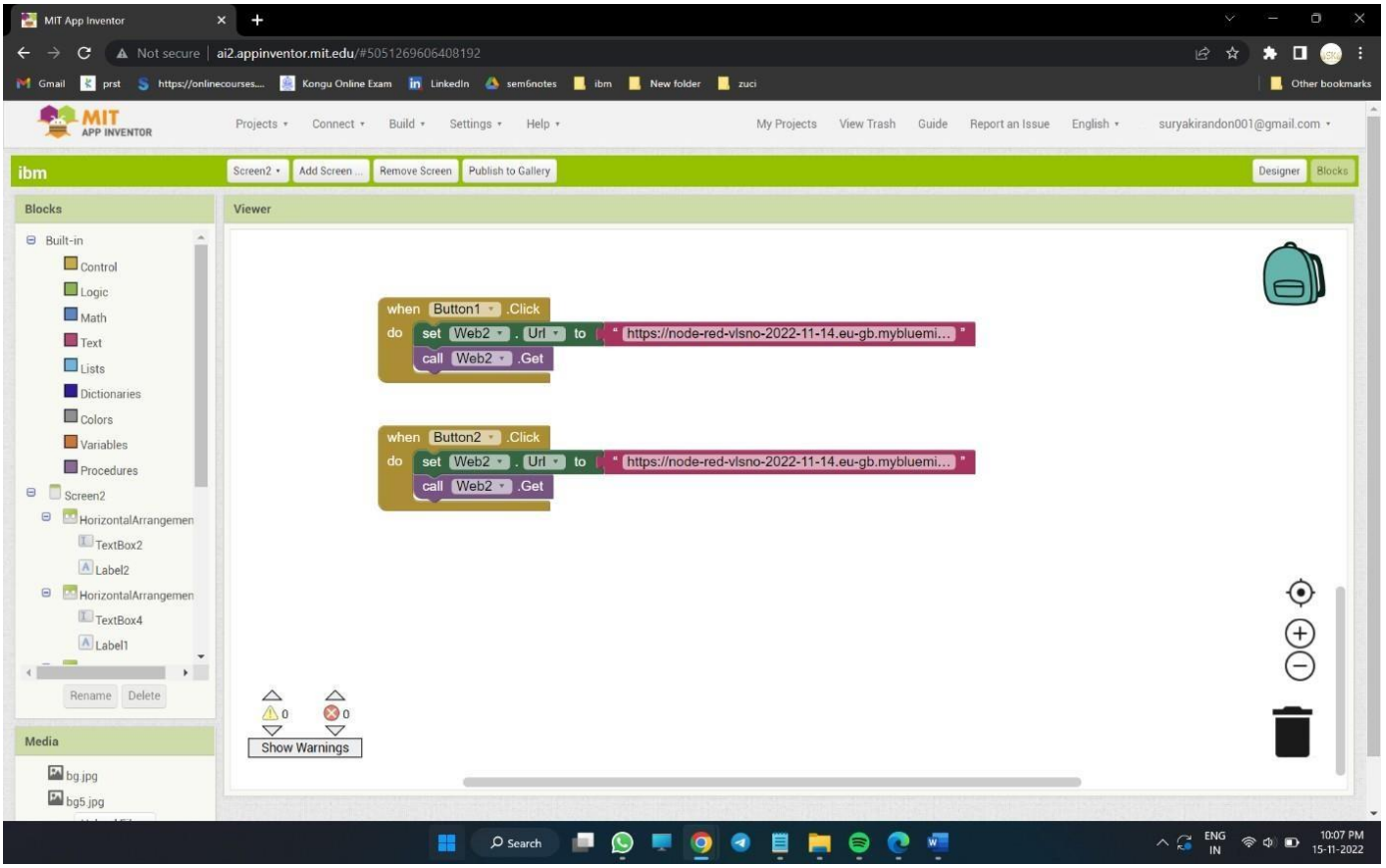
Step-1: click the blocks button in mit app inventor



Step-2: Click the web1 and type the temperature and humidity

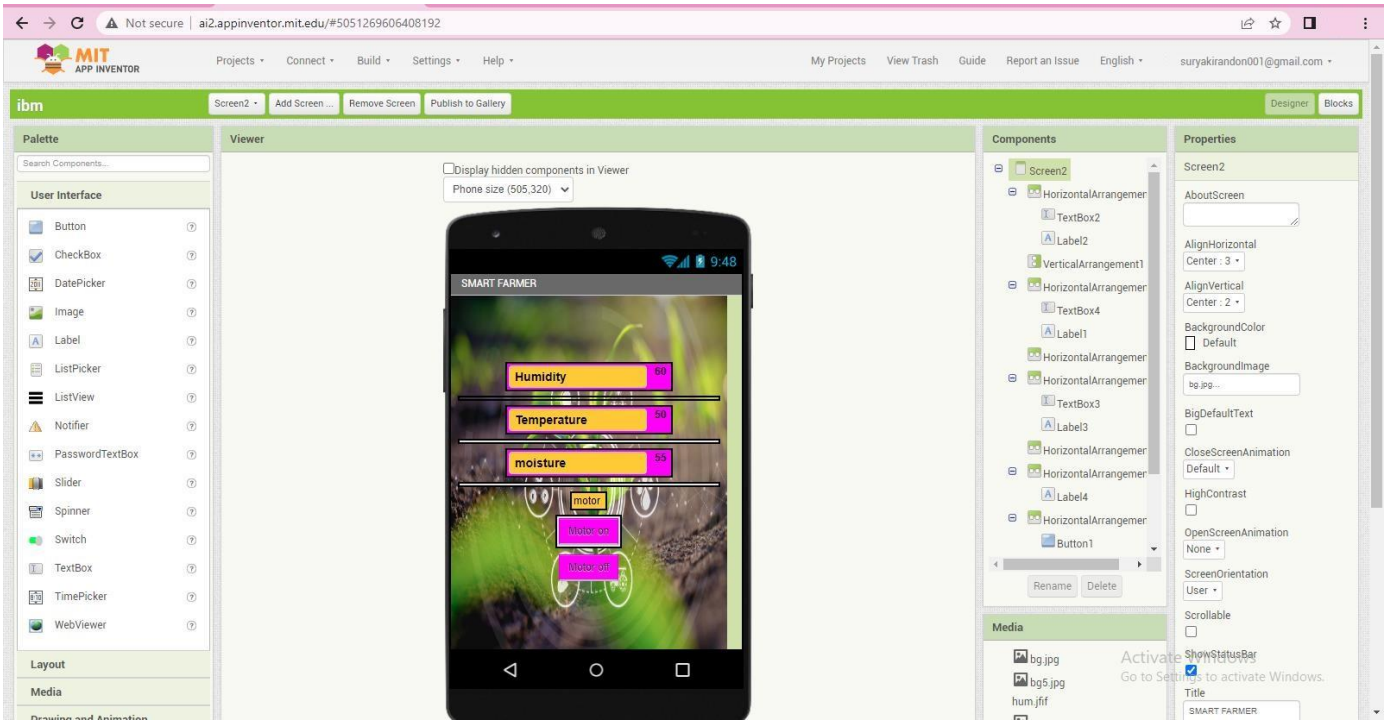


Step-3: click the button-1 and button-2 and paste node-red URL in the button section.

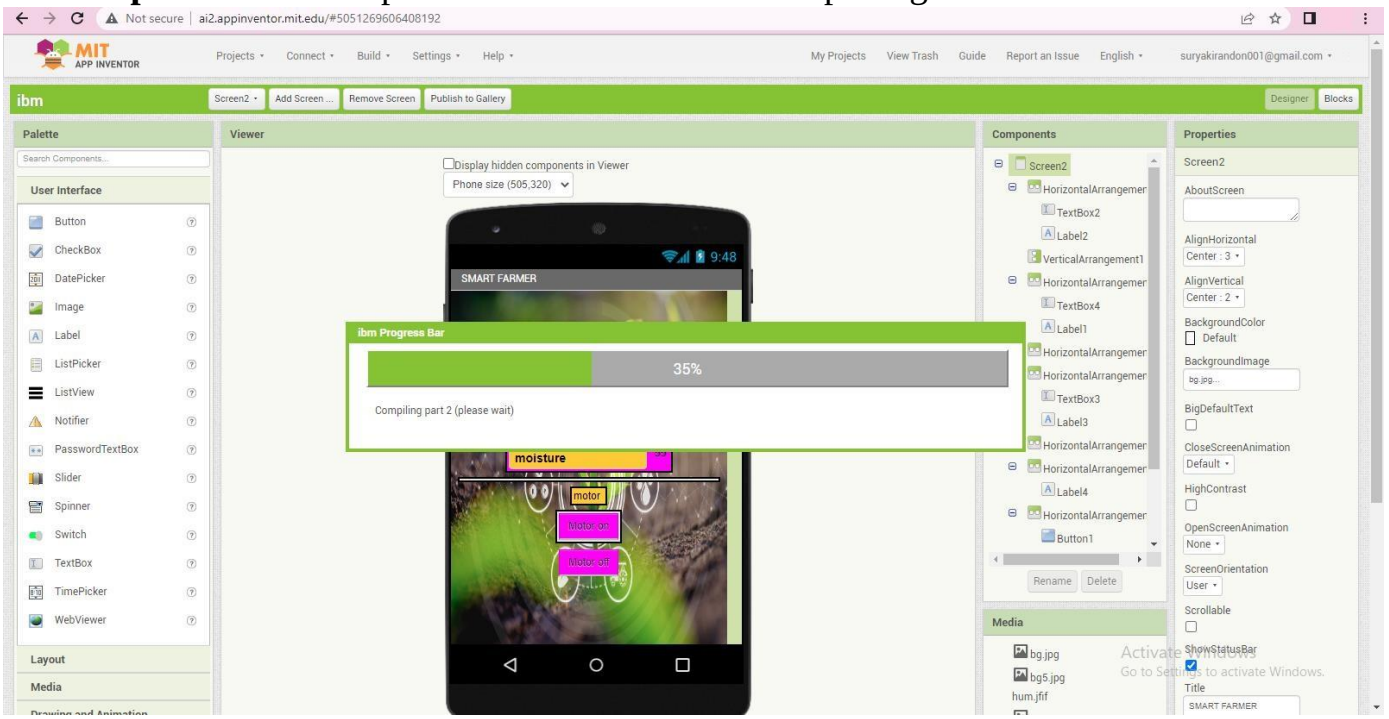


Step-4:

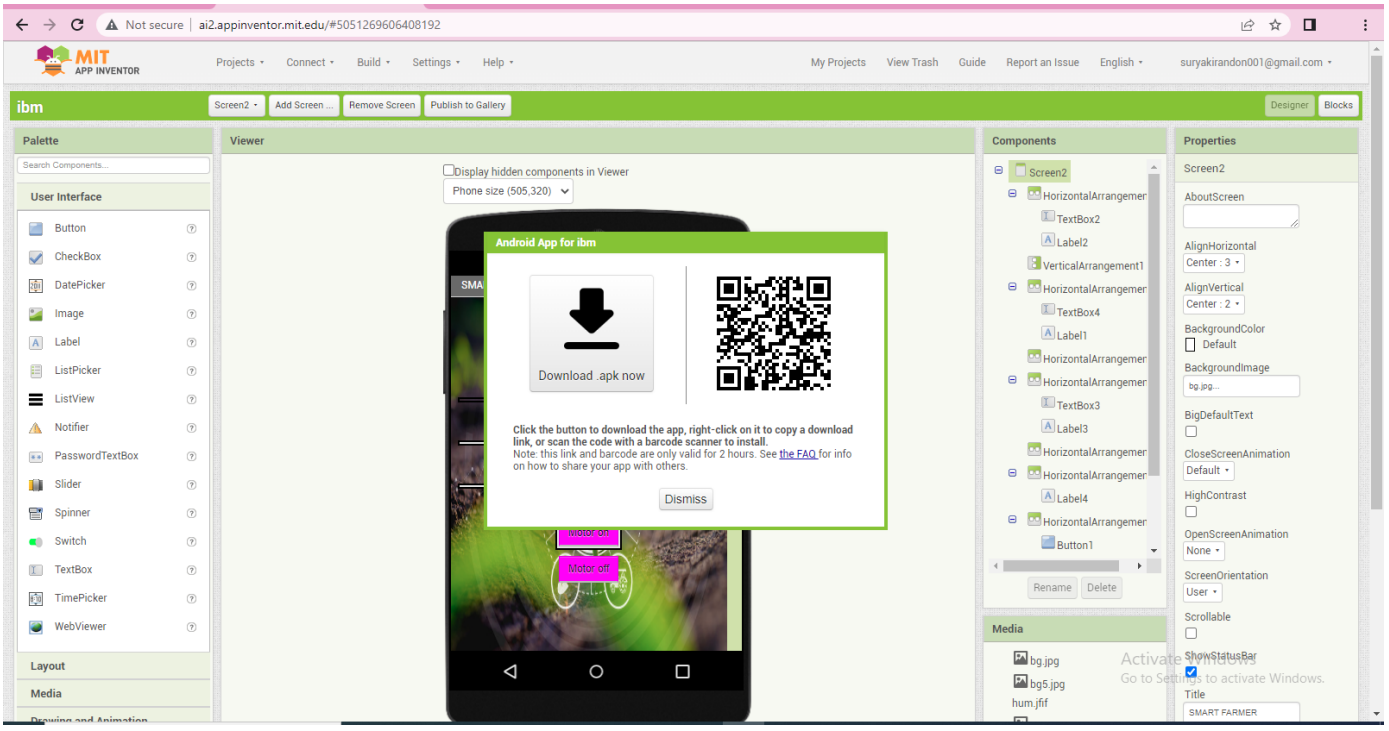
Go to build and click the Android App(APK) the apk file will be downloaded and these file can open in our mobile.



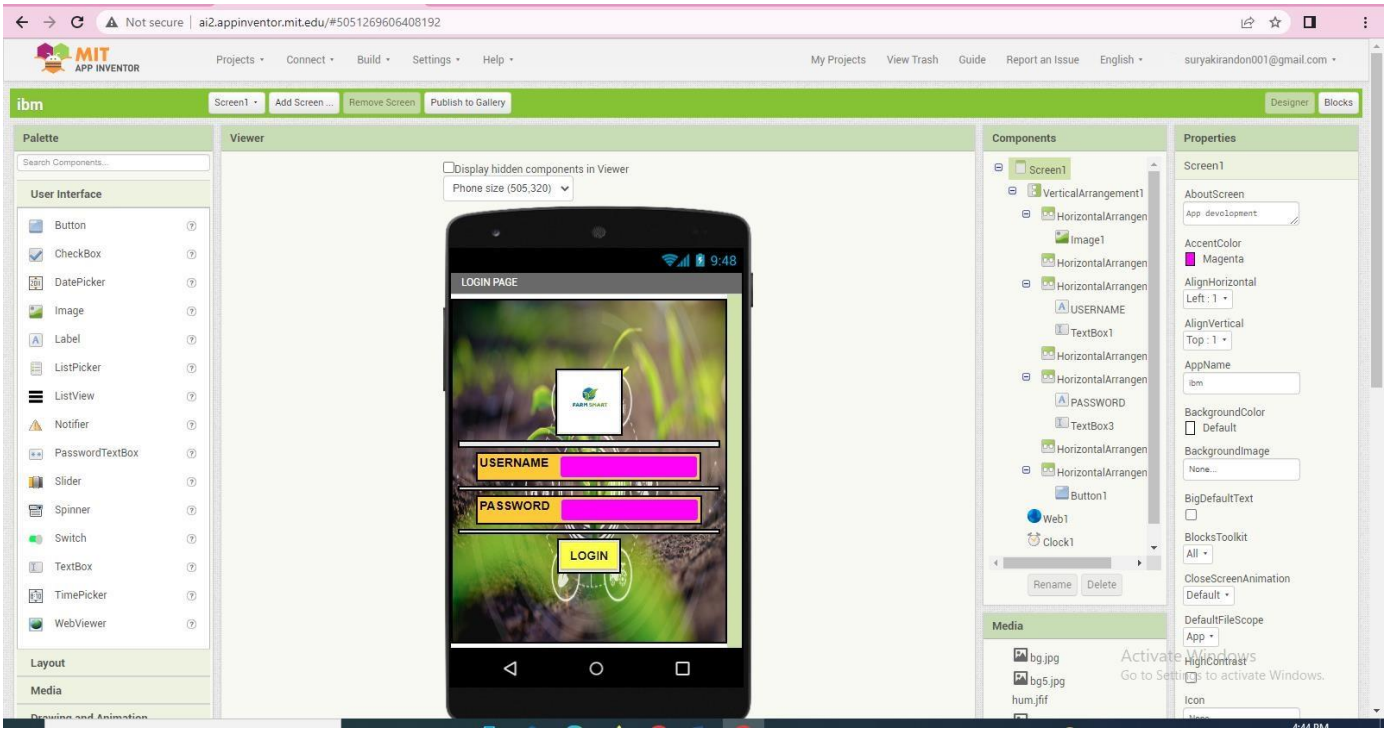
Step-5: After click apk file it take one minute compailing



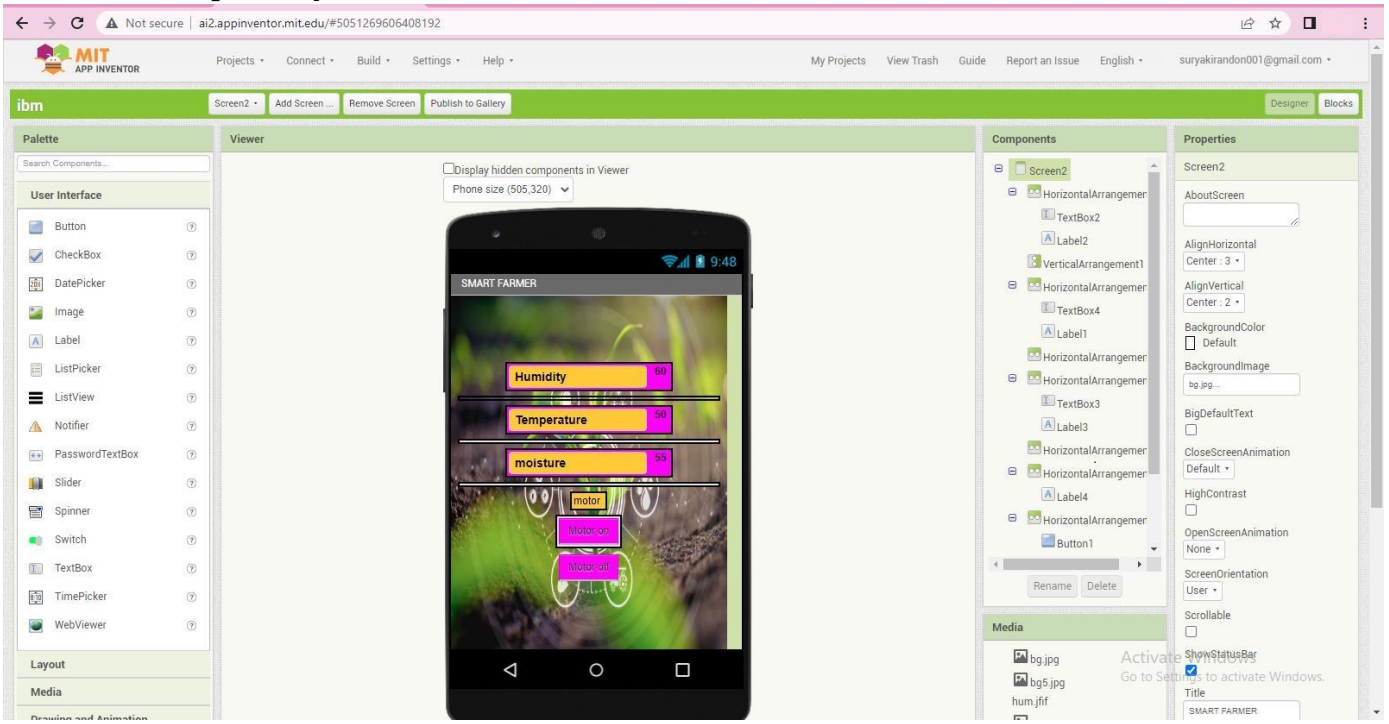
Step-6: Click the download apk.file



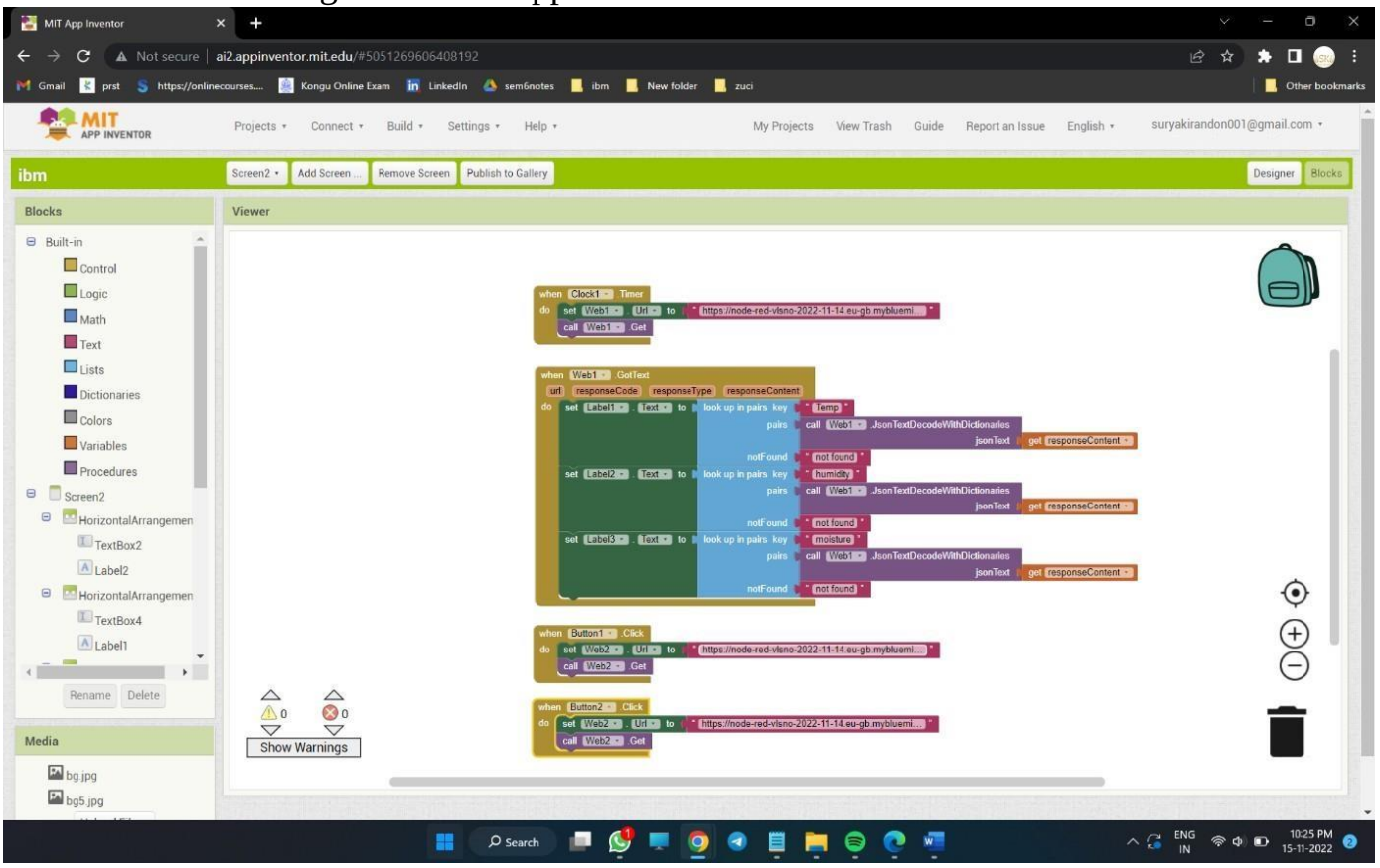
Final Design of the mobile app.



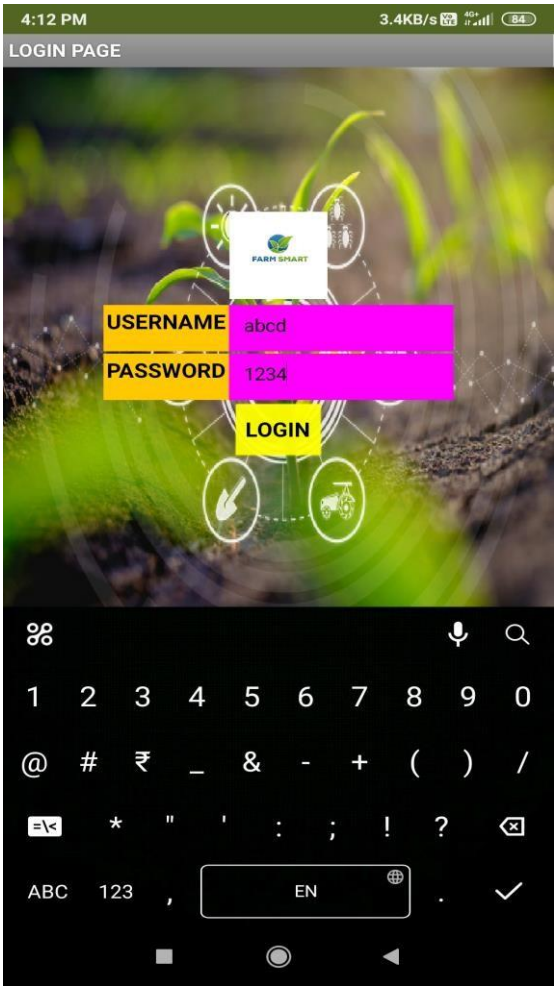
After giving username and password click login button .Next the below window will be open in your mobile.



Final block design in mobile application.



After Downloading APK file we need to install in our mobile .after successful installation it showing app icon in our mobile. as given below


4:12 PM
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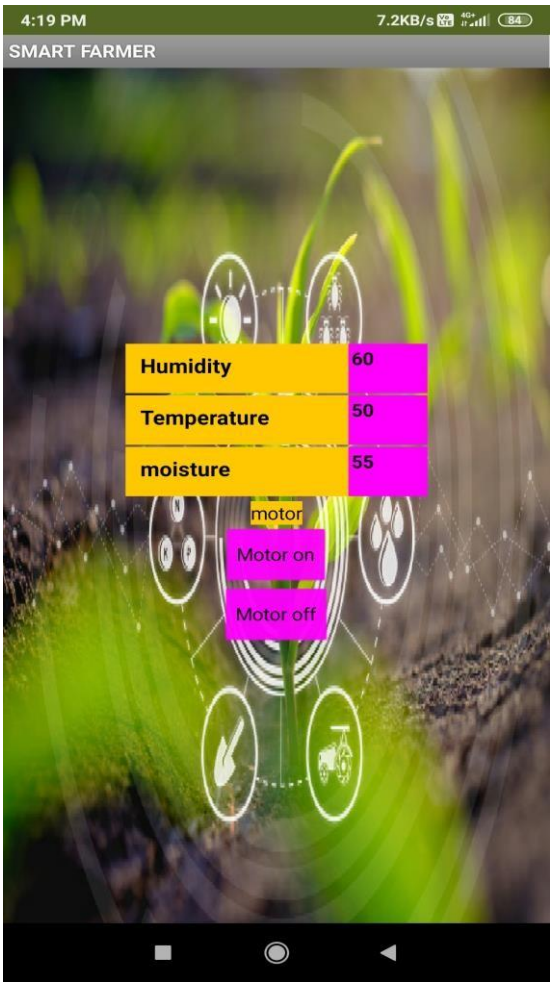
4:19 PM
7.2KB/s
SMART FARMER
Humidity
60
Temperature
50
moisture
55
motor
Motor on
Motor off