Project Development Phase Delivery of Sprint -3

Team ID	PNT2022TMID17466
Project Name	Smart Farmer-IOT Enabled Smart FarmingApplication

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.
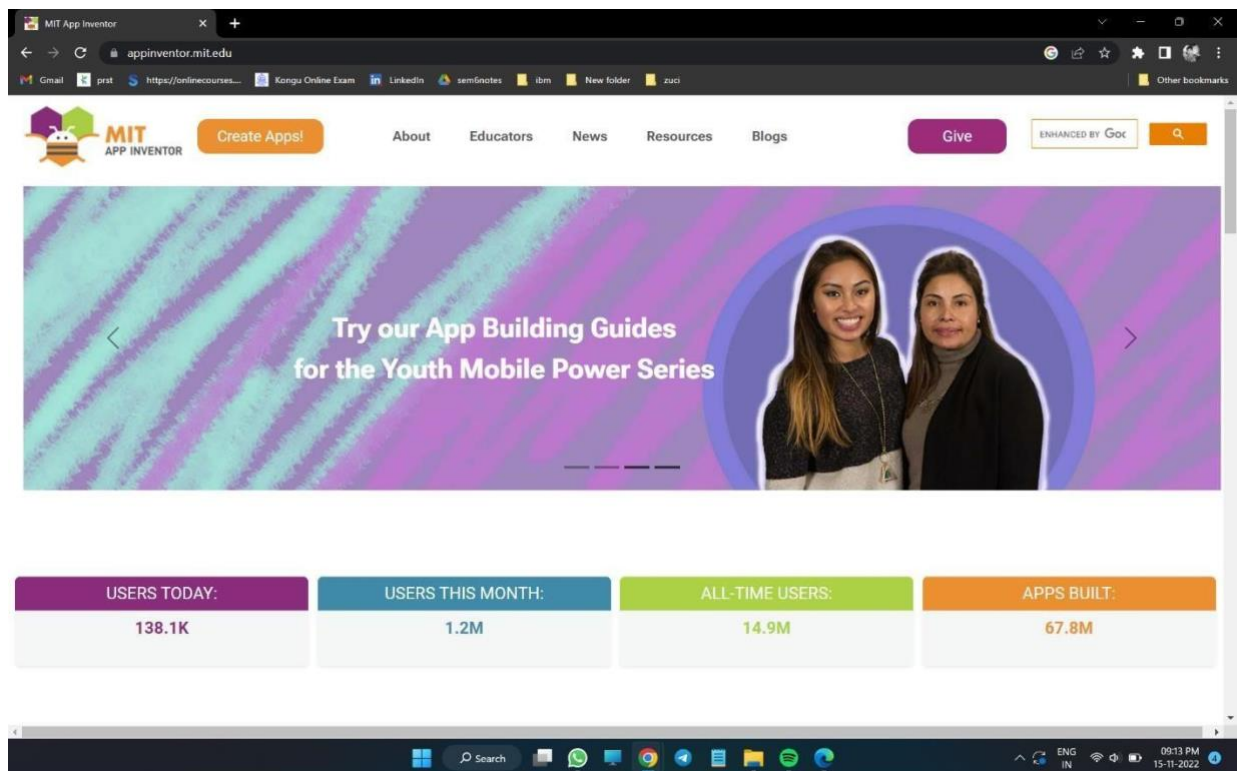
Step-2: we have click create apps and need to sign into the mit app inventor .It is
redirecting into the next page and .select the new project give the project name.
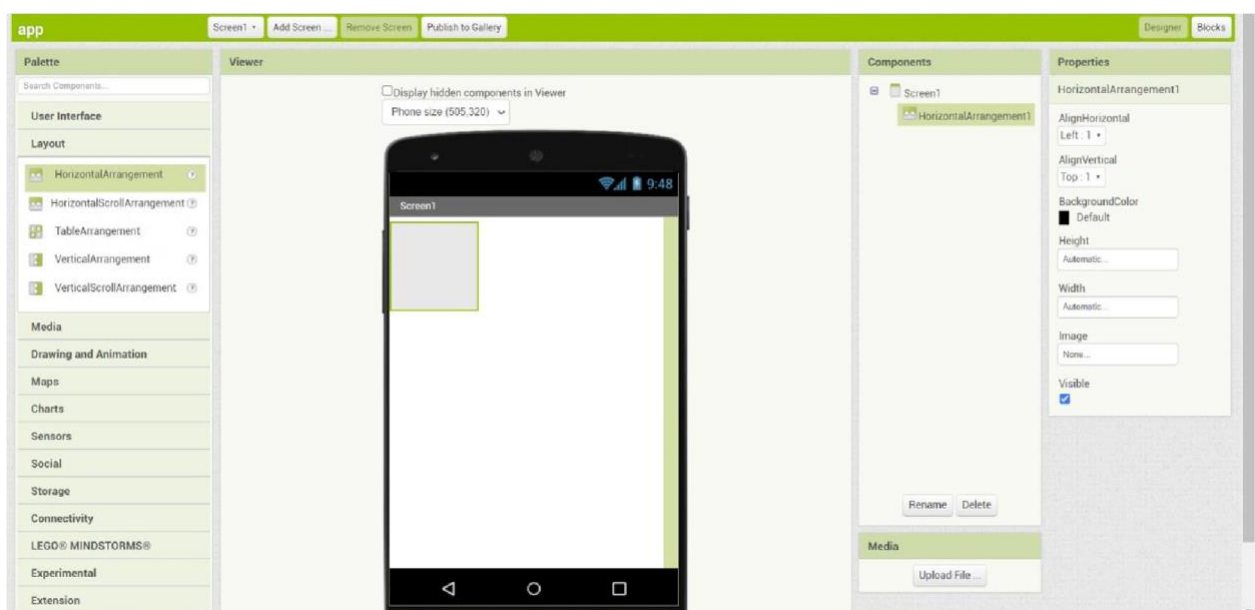click ok. The given window will be open.
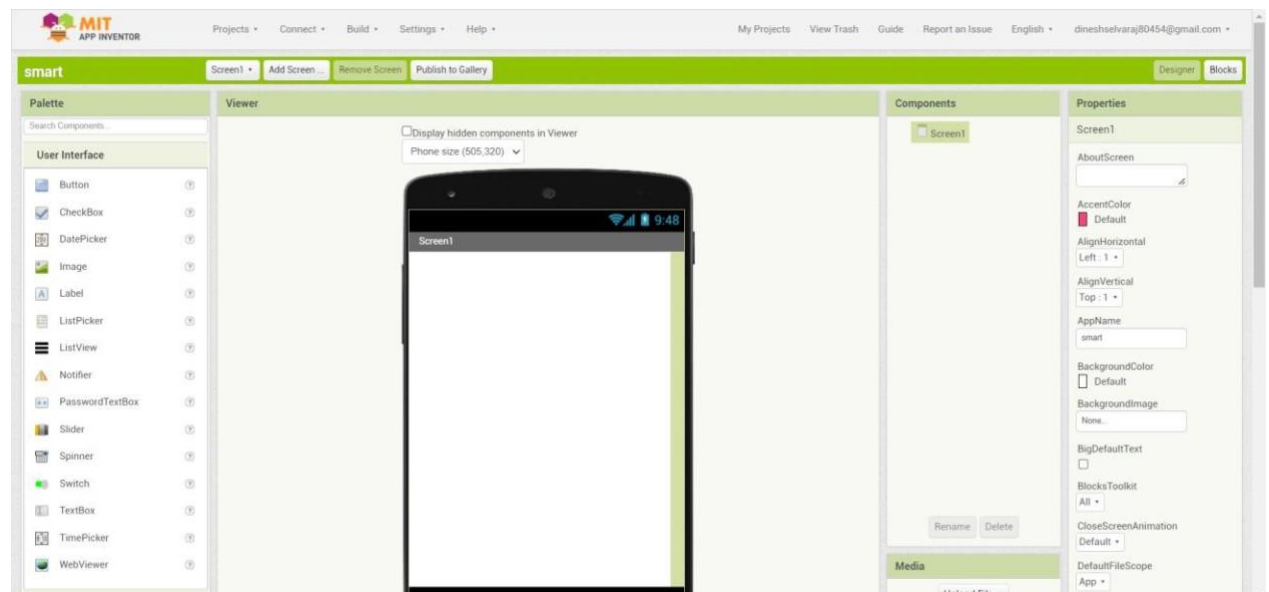
Step3: so while designing the mobile app there two parts
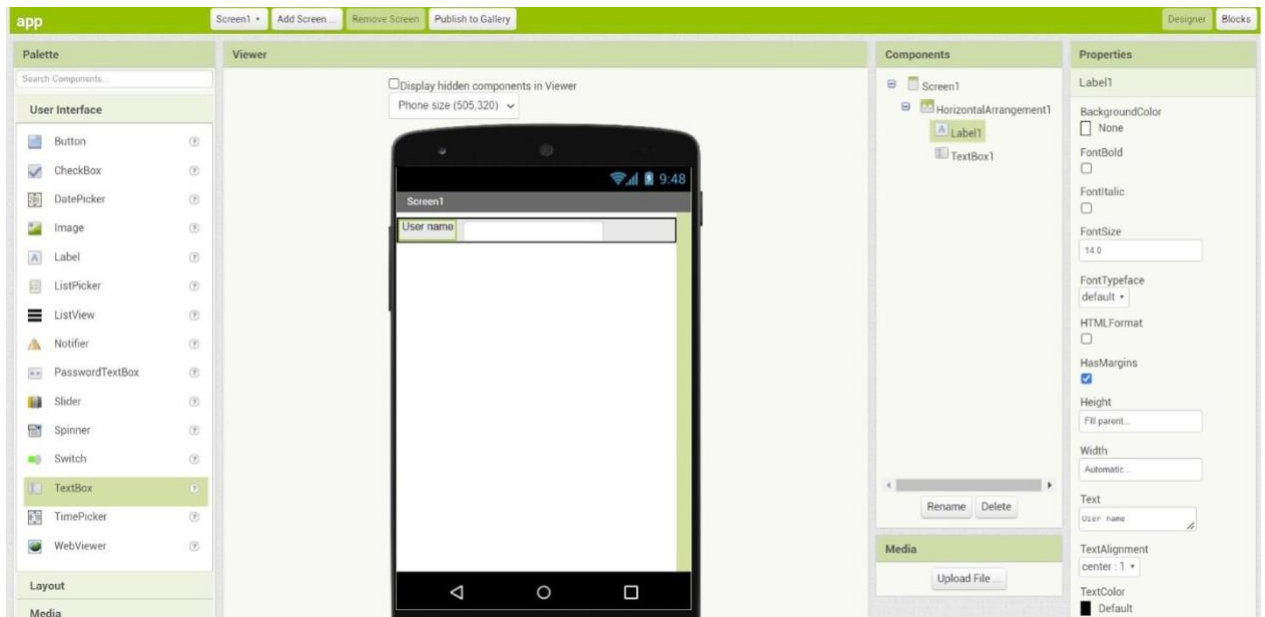
1.Designer

2.Blocks
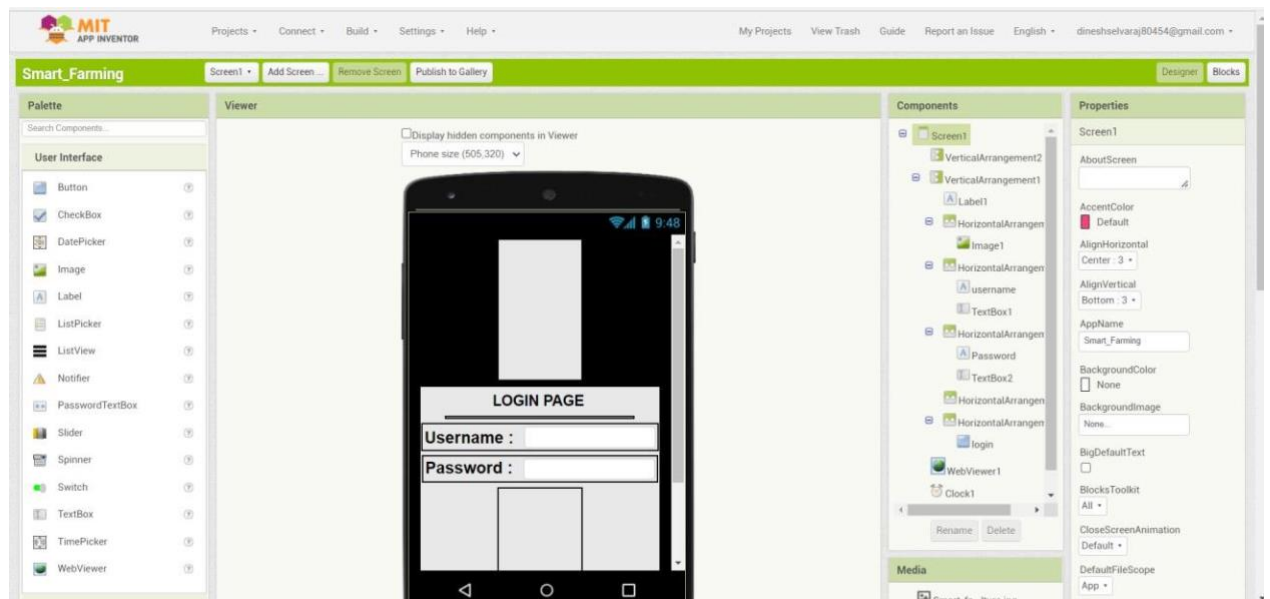
First we are going to design the designer part.

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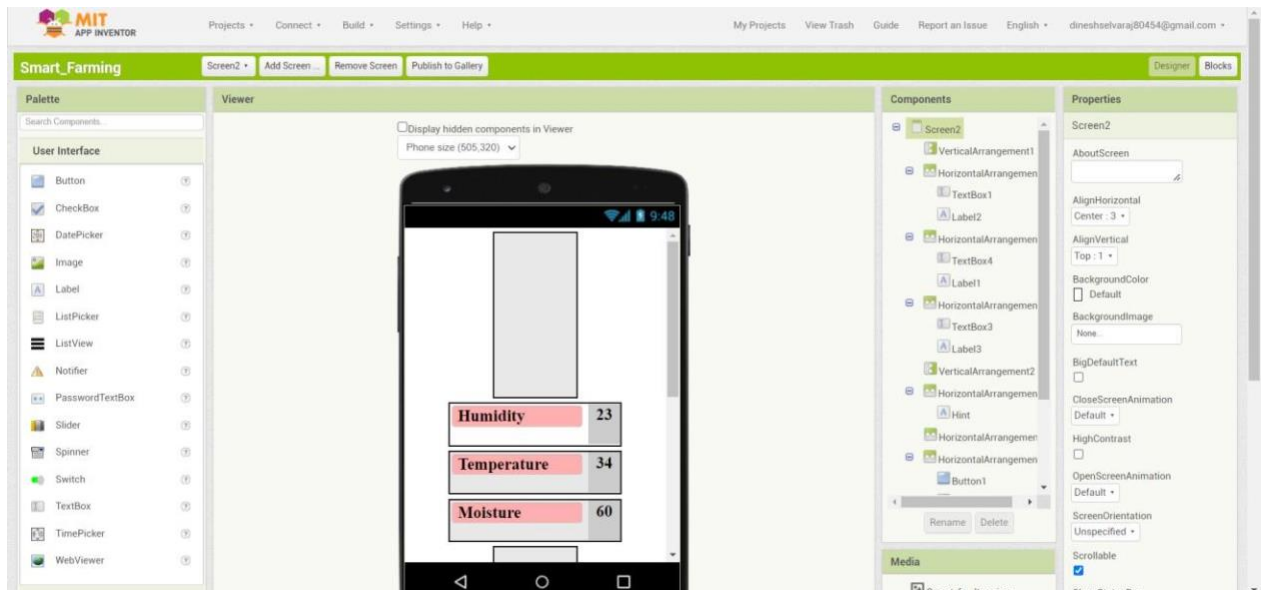

Step-1: Now we have to add Text box-1 and Label-1.

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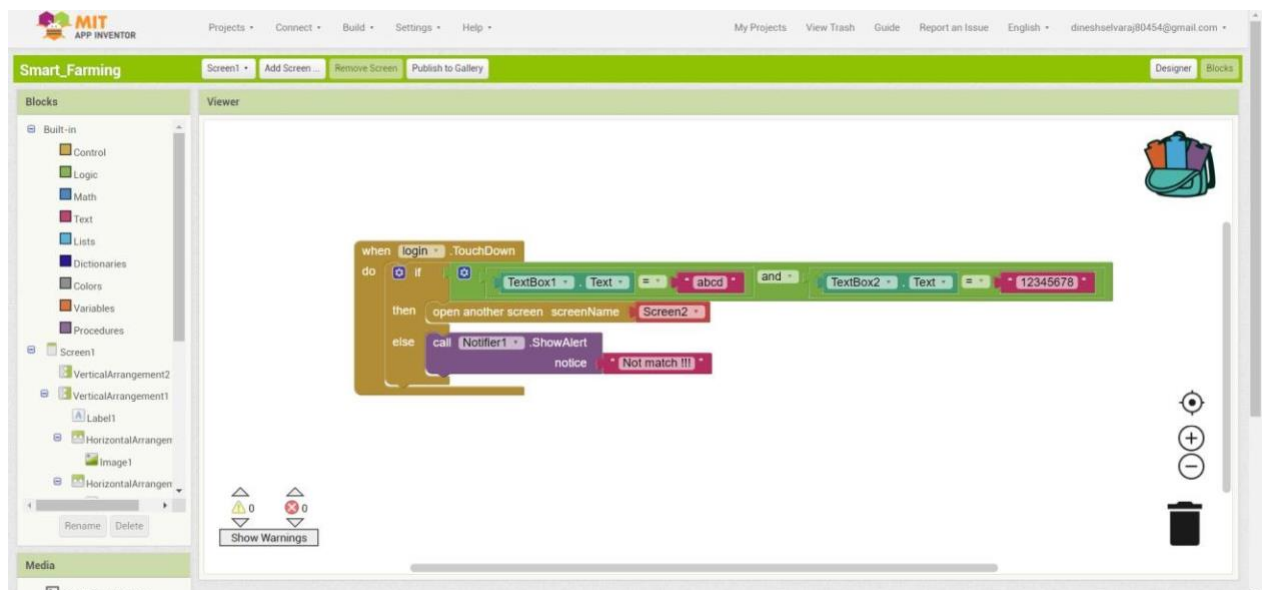

Step-3: Finally we have add the motor ON and motor OFF controls. Add the background themes .
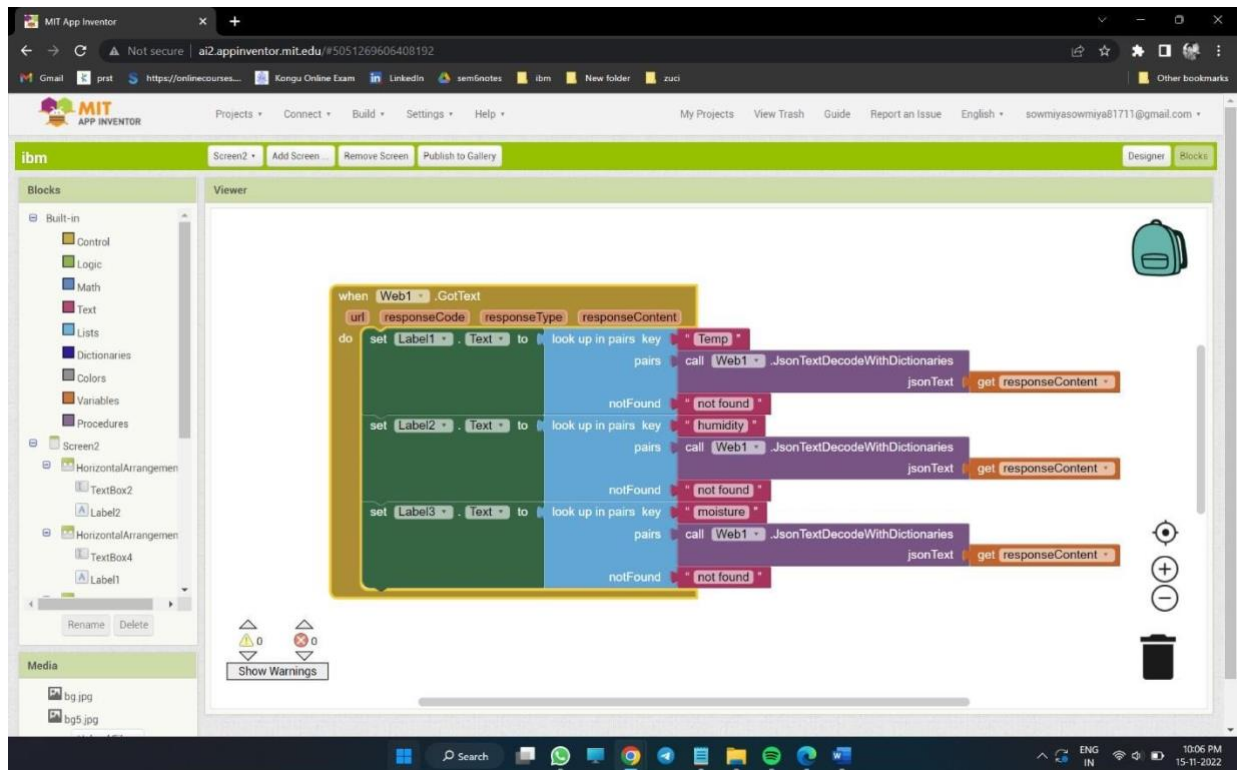
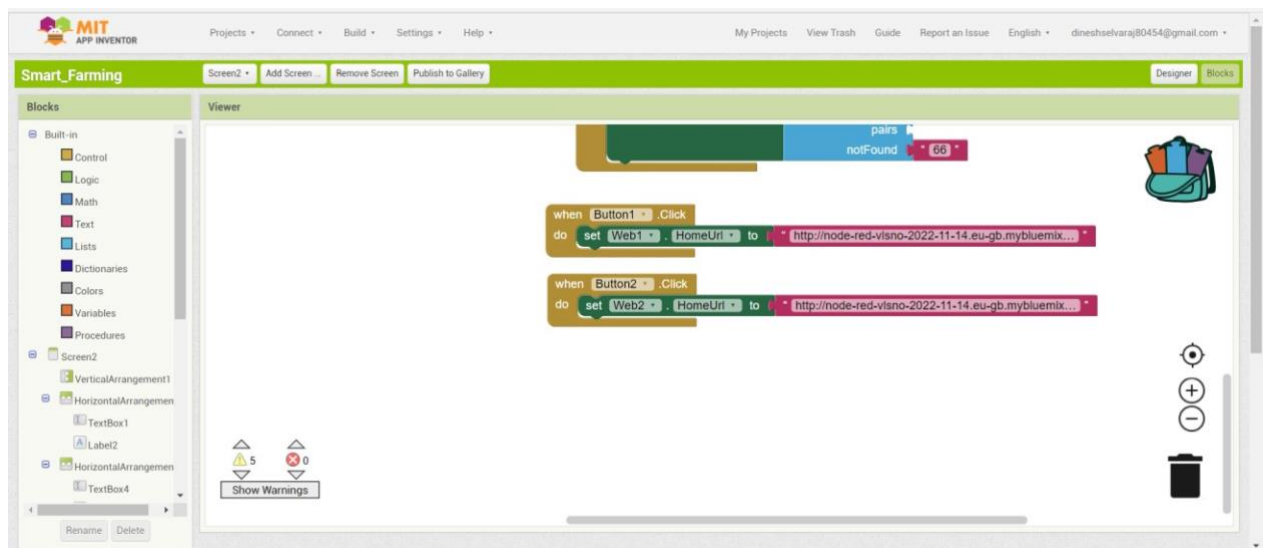Second part of the mit app inventor is building the blocks to connect the nodered to MIT APP Inventor.

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

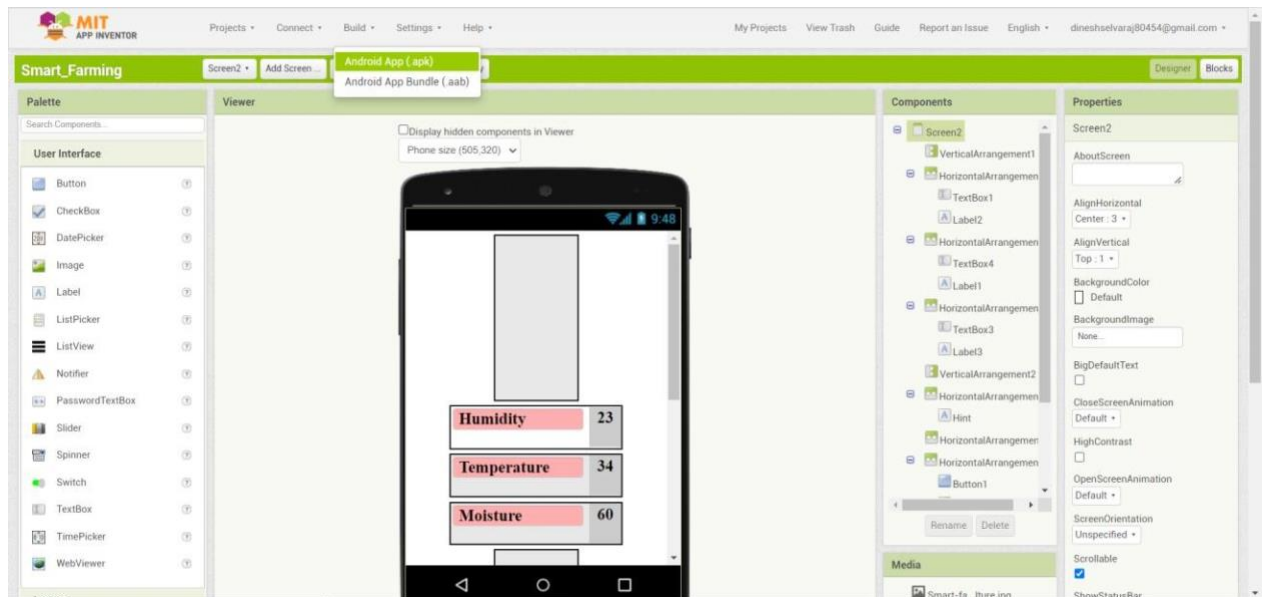**Step-2:** Click the web1 and type the temperature and humidity

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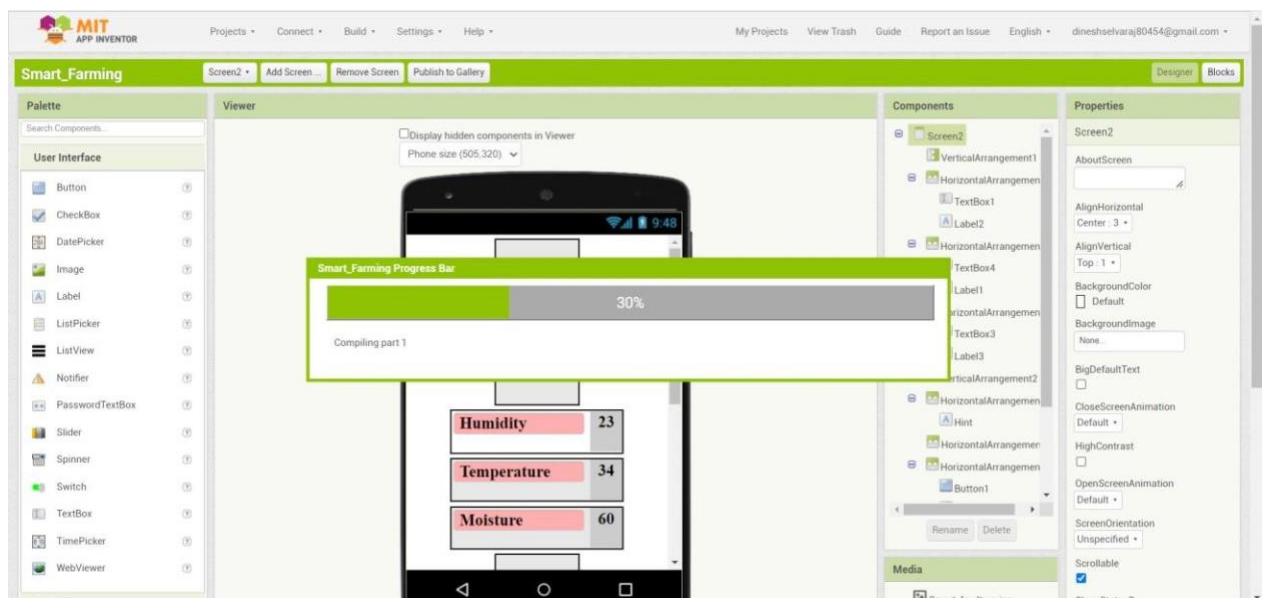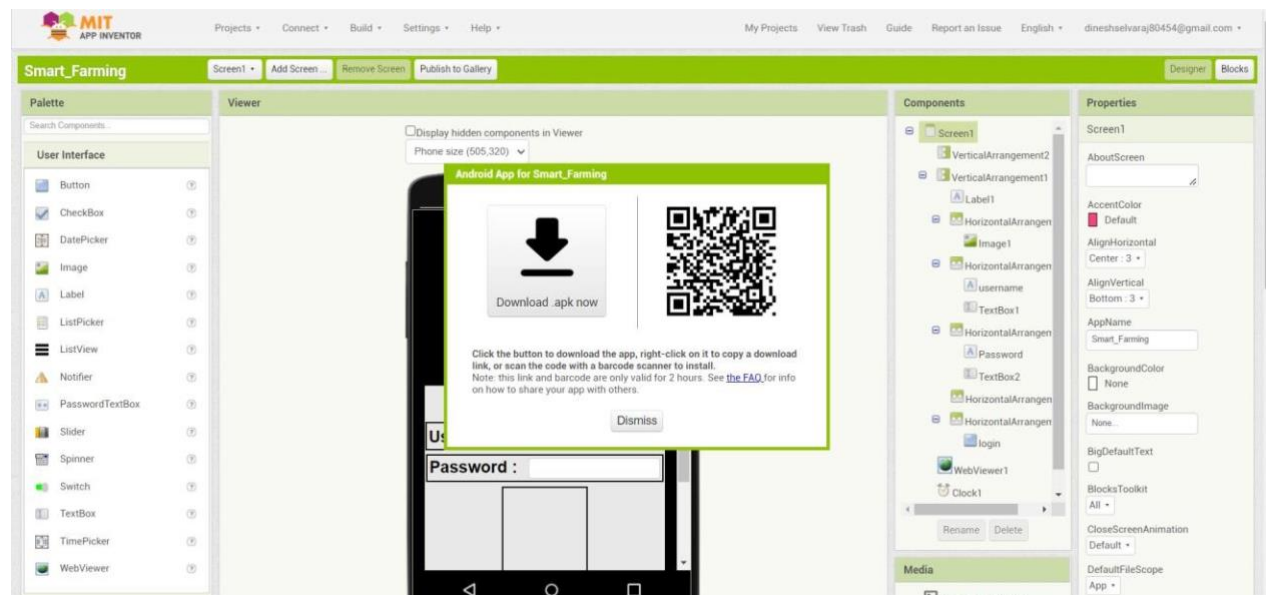

Step-4:

Go to build and click the Android App(APK) the apk file will be downloaded and these file can open in our mobile.
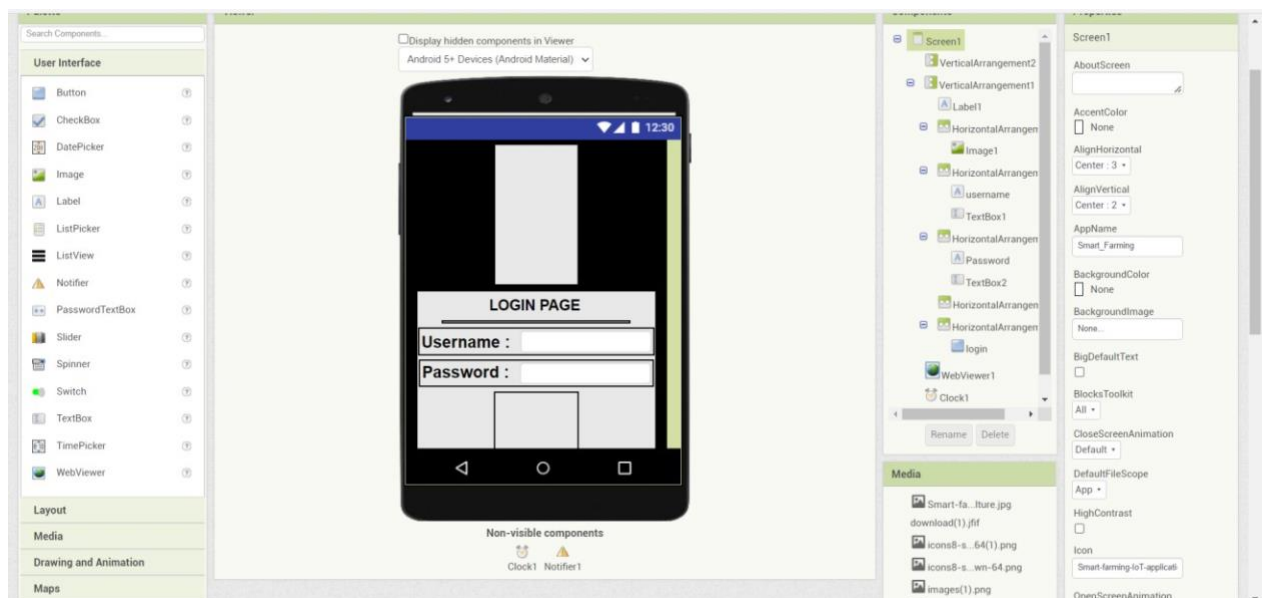
Step-5: After click apk file it take one minute compailing
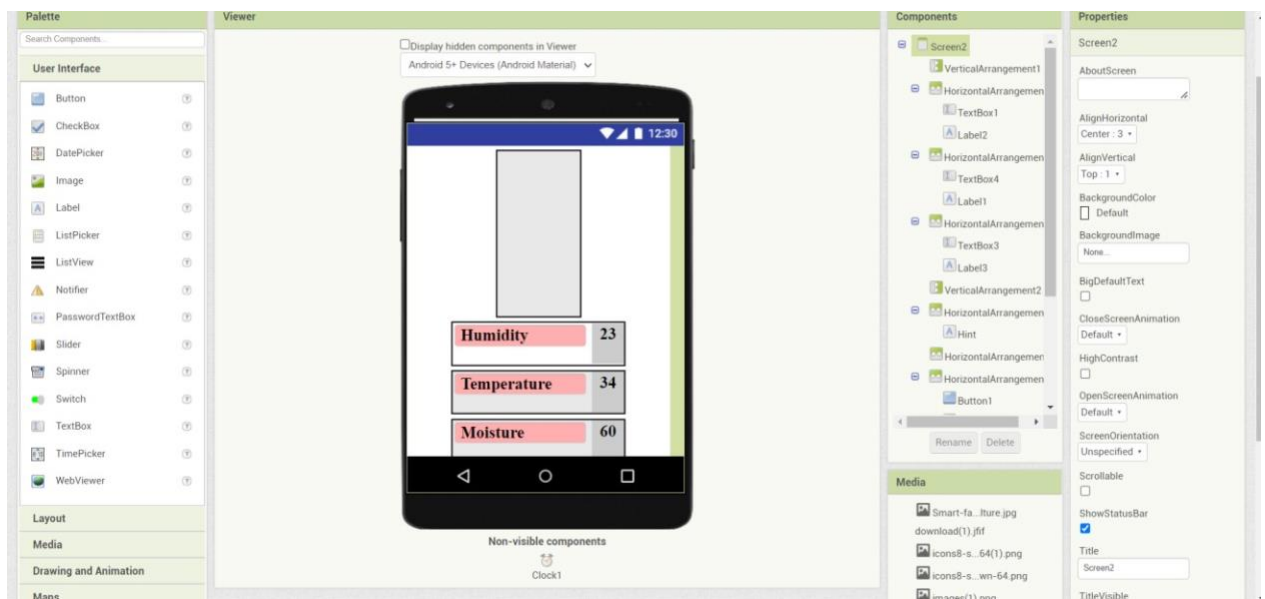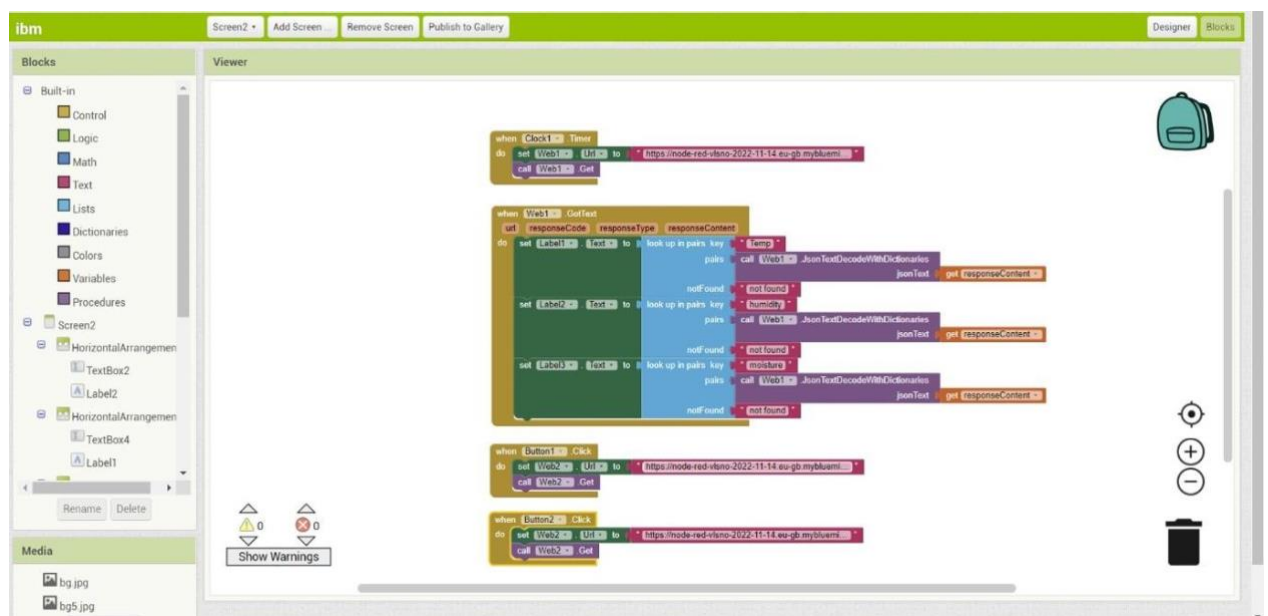

Step-6: Click the download apk.file

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.

LOGIN PAGE

Username : Enter User Name

Password : ********

LOGIN

Humidity	51
Temperature	28
Moisture	40

Motor Switch ON/OFF