

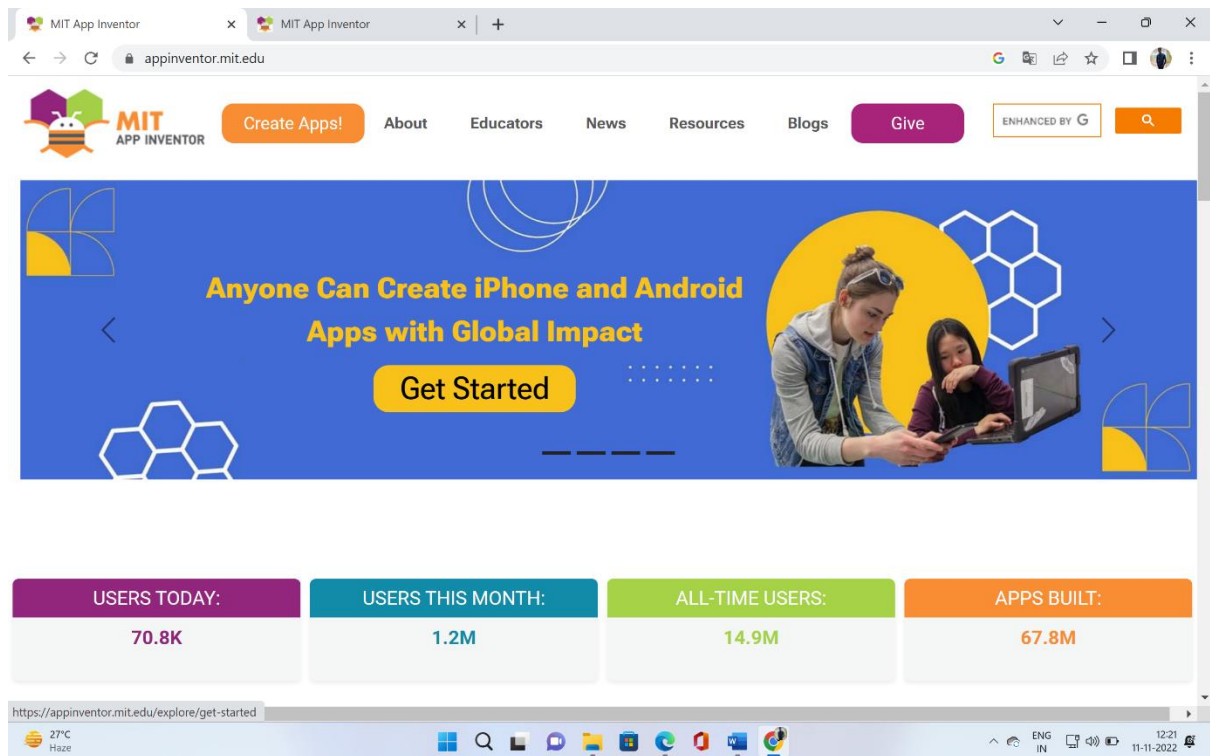
## Project Development Phase

### Delivery of Sprint -3

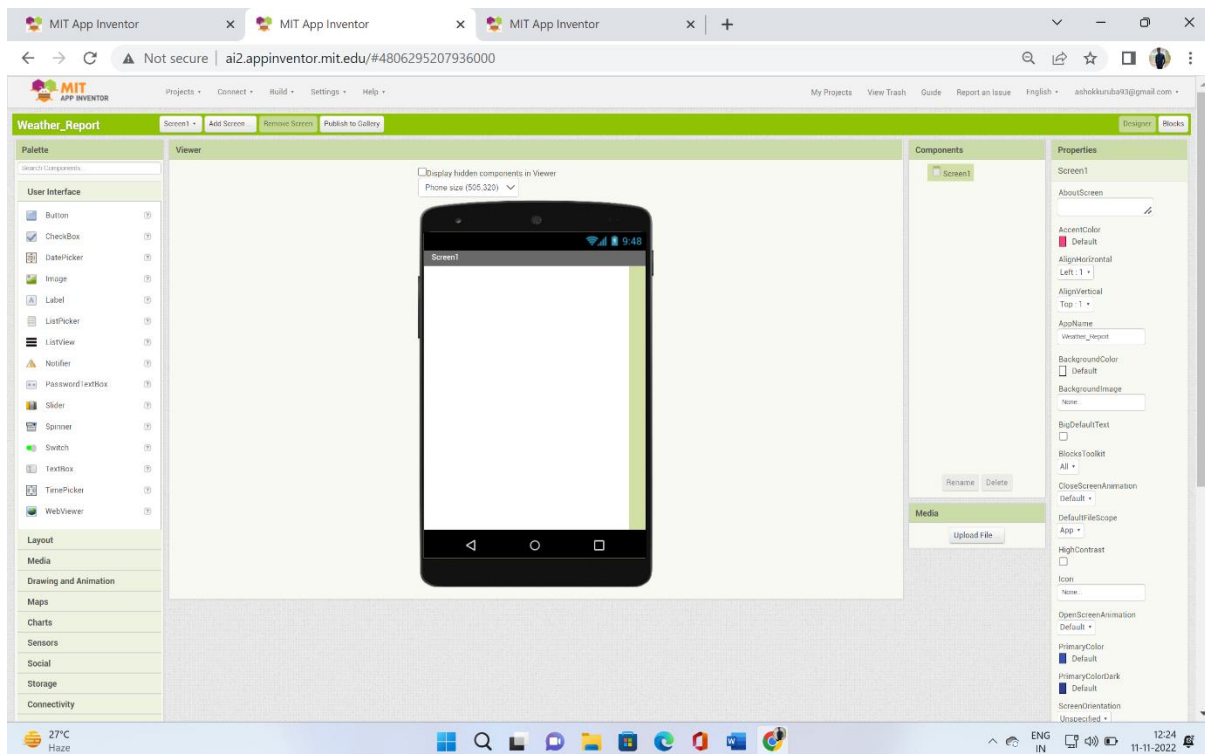
<b>Team ID</b>	PNT2022TMID08469
<b>Project Name</b>	Smart Farmer -IOT Enabled Smart Farming Application

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.



**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.



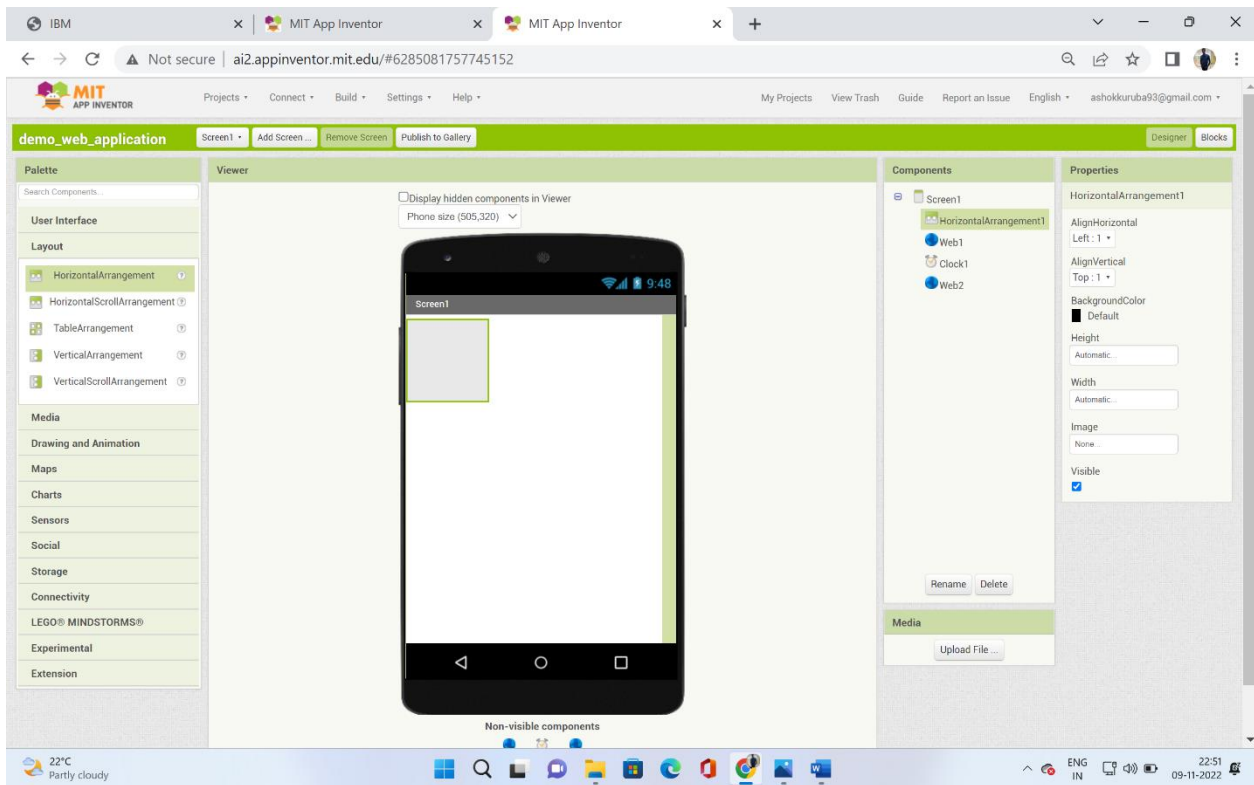
**Step3:** so while designing the mobile app there two parts

1.Designer

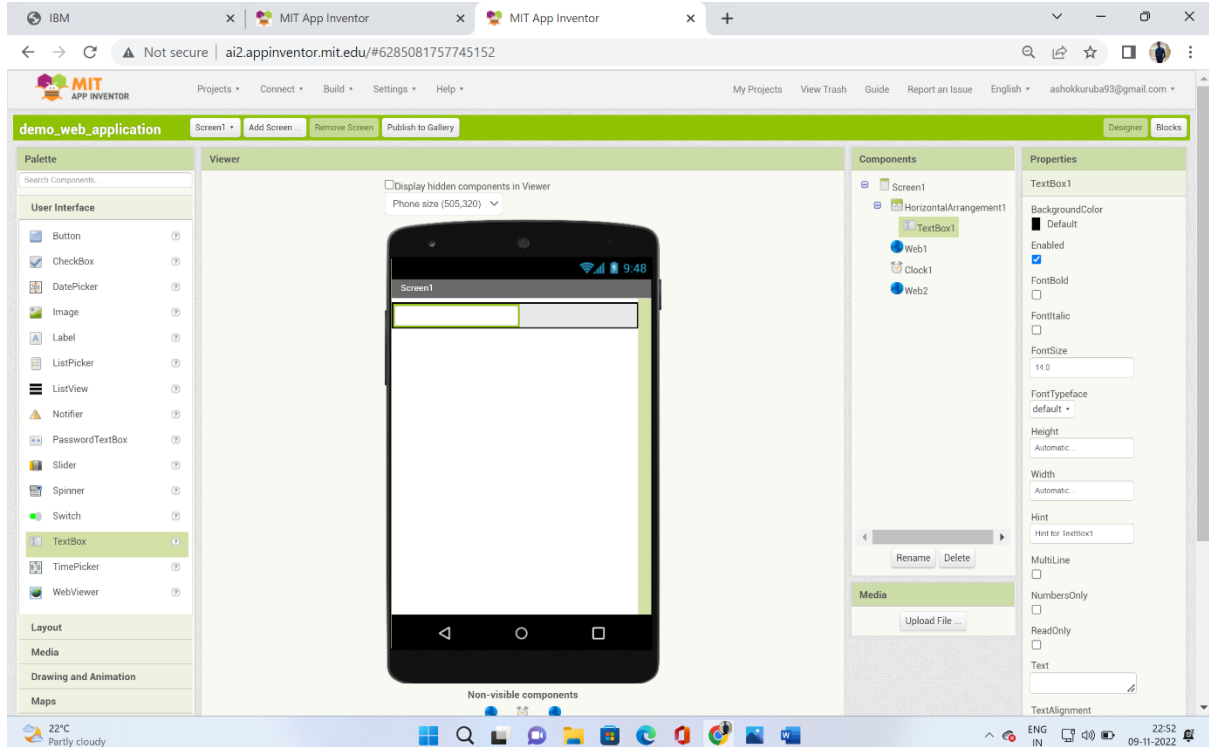
2.Blocks

**First we are going to design the designer part.**

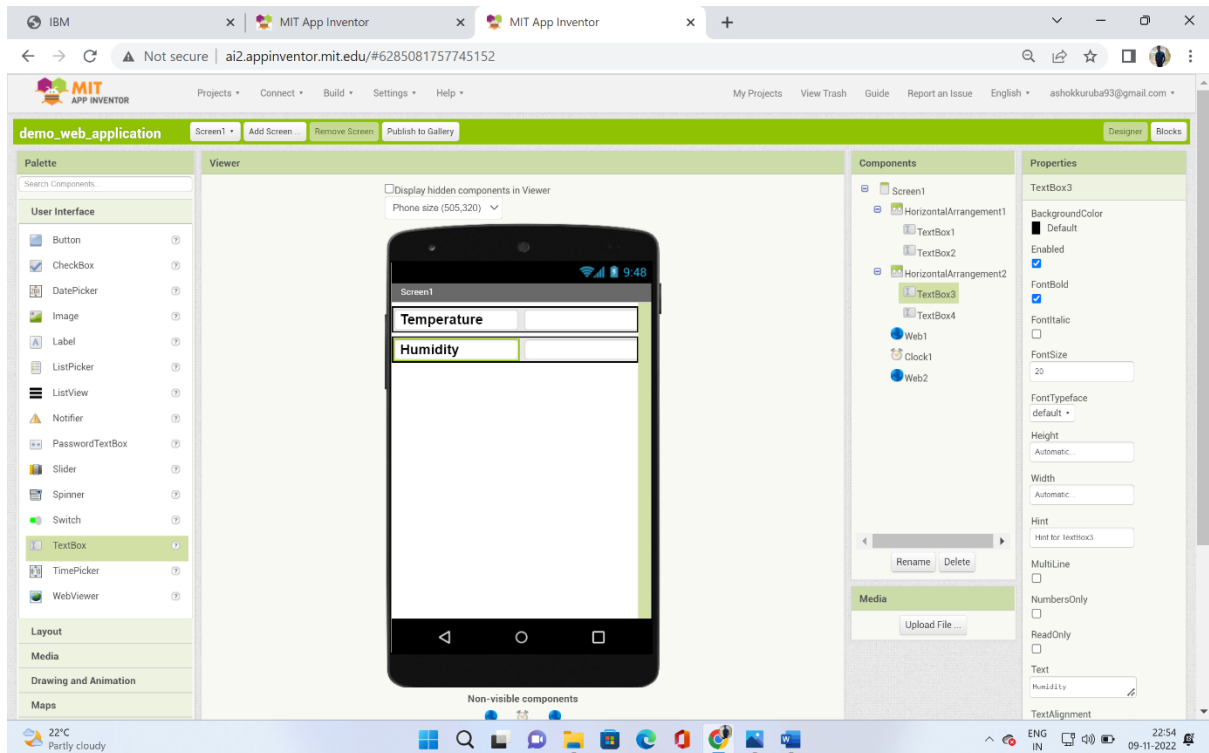
We need to add the horizontal arrangement-1 into mobile screen and we see in component section and their properties in right side of window. So we can change height and width, colour etc.



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



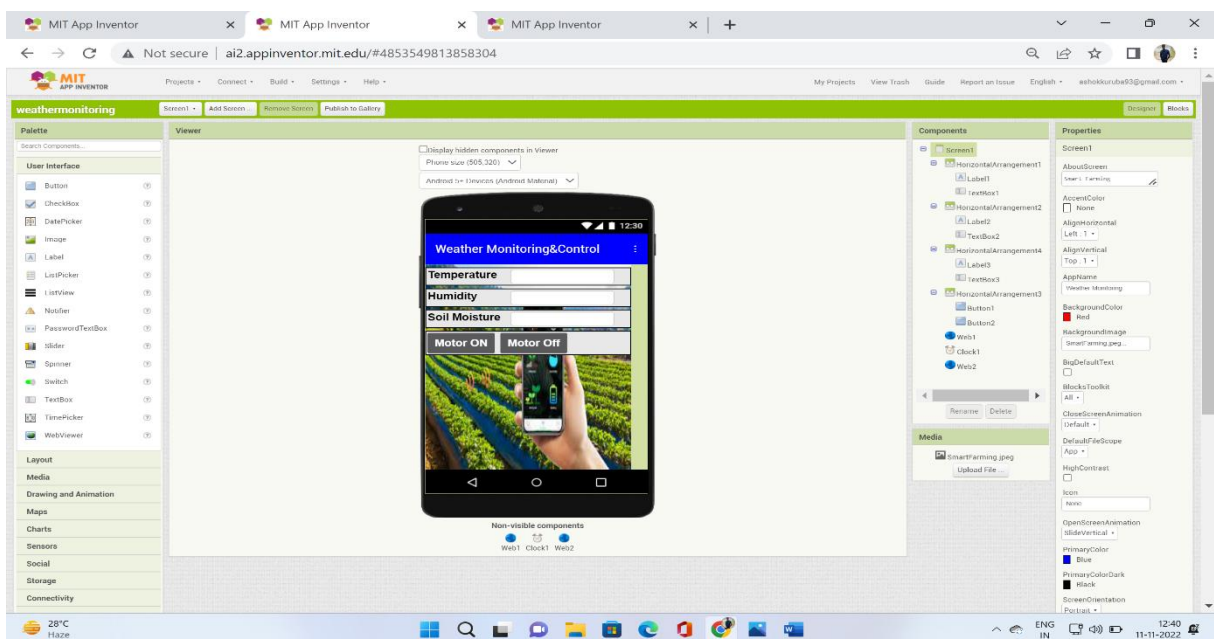
**Step-2:** Now rename the textbox-1,2,3 as temperature ,humidity and soil moisture.



**Step-3:** Finally we have to rename screen-1 has the weather monitoring and control. And add the motor ON and motor OFF controls. Add the background themes

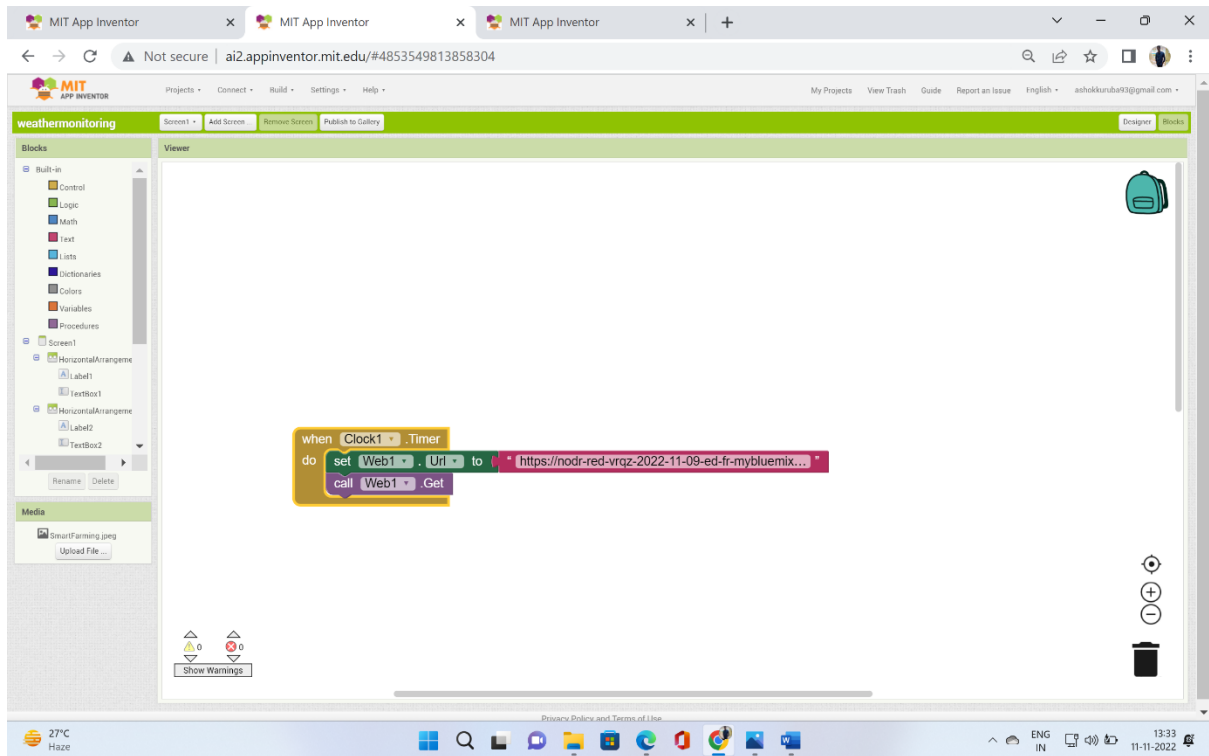
<http://ai2.appinventor.mit.edu/#4853549813858304>  
window will be open.

click the link the

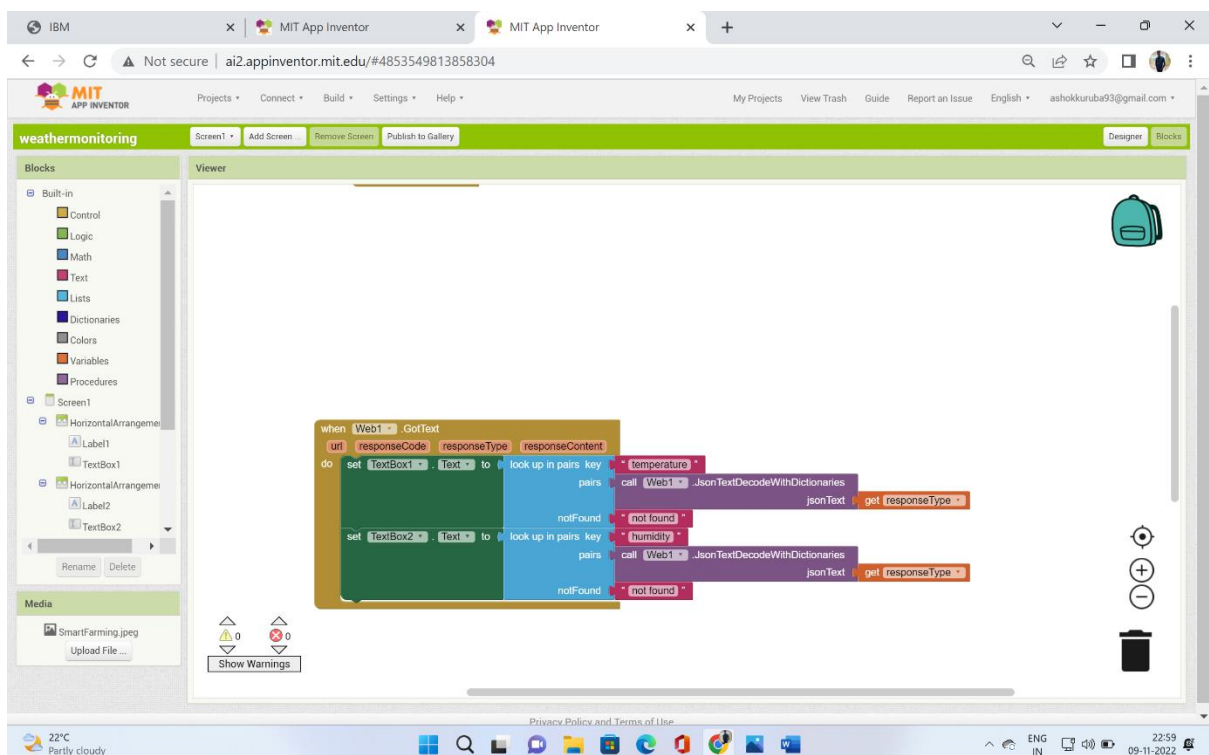


Second part of the mit app inventor is building the blocks to connect the node-red to MIT APP Inventor.

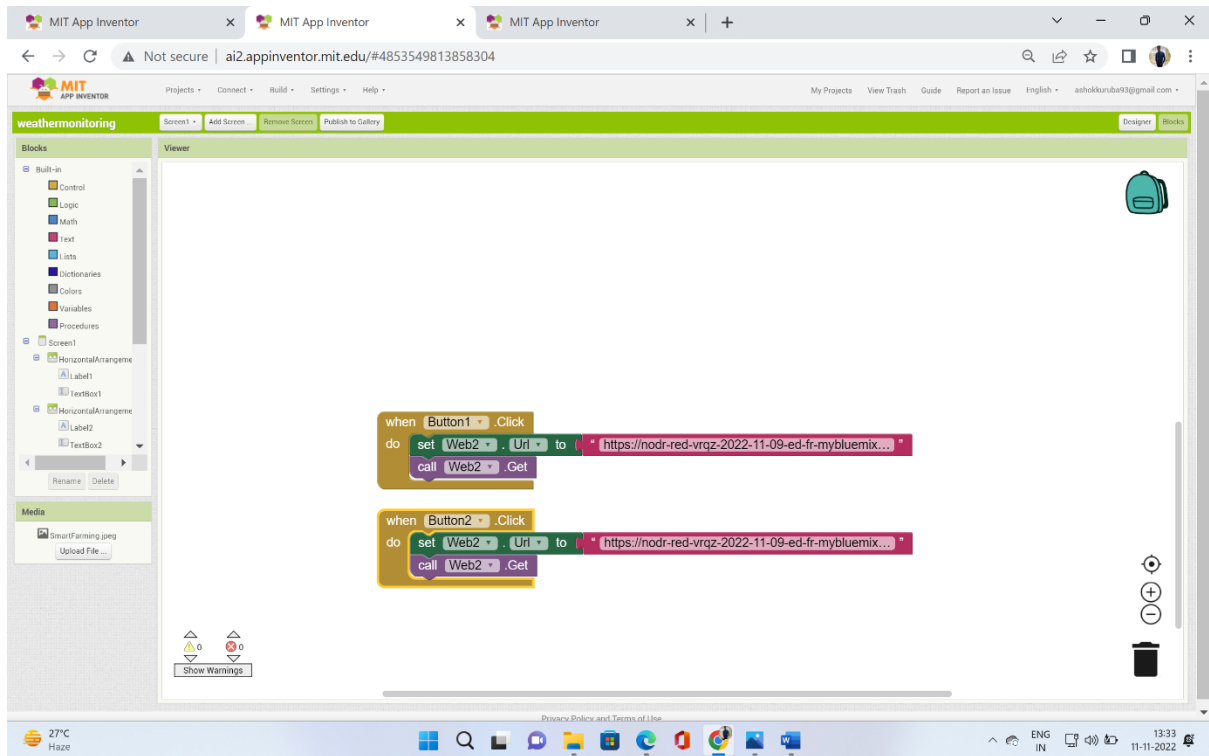
**Step-1:** click the blocks button in mit app inventor



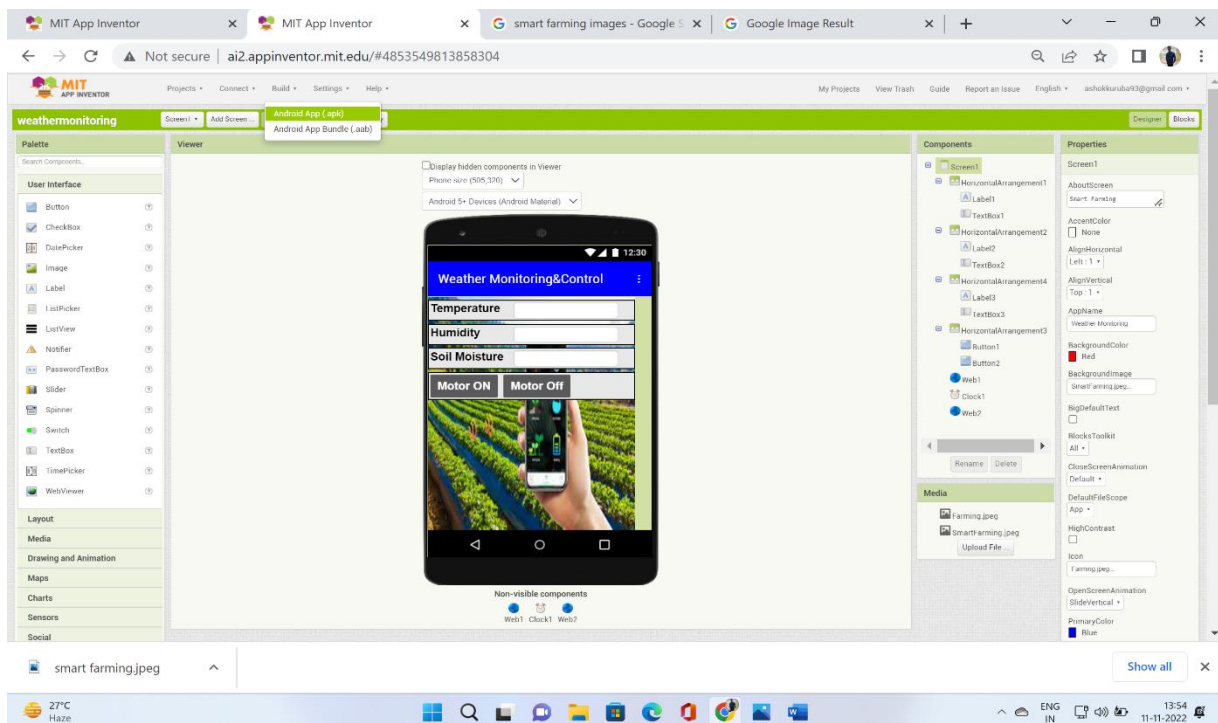
**Step-2:** Click the web1 and type the temperature and humidity



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

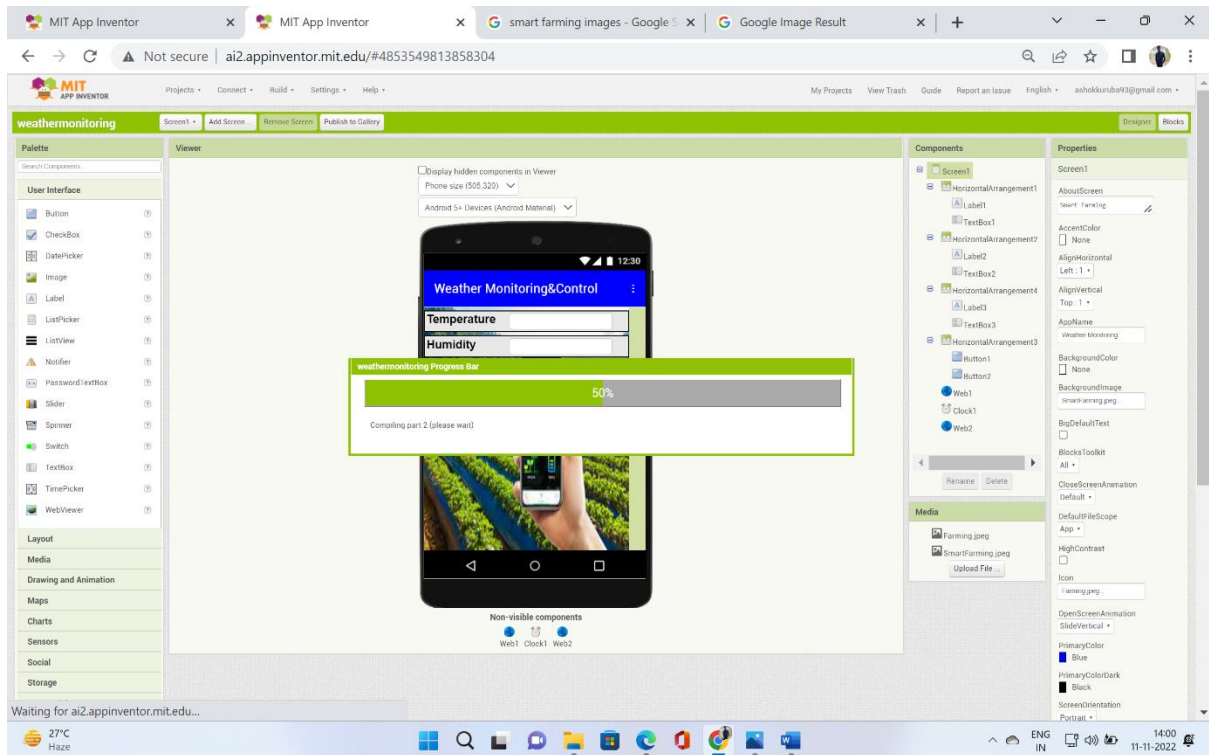


**Step-4:** Go to build and click the weather monitoring(APK) the apk file will be downloaded and these file can open in our mobile.

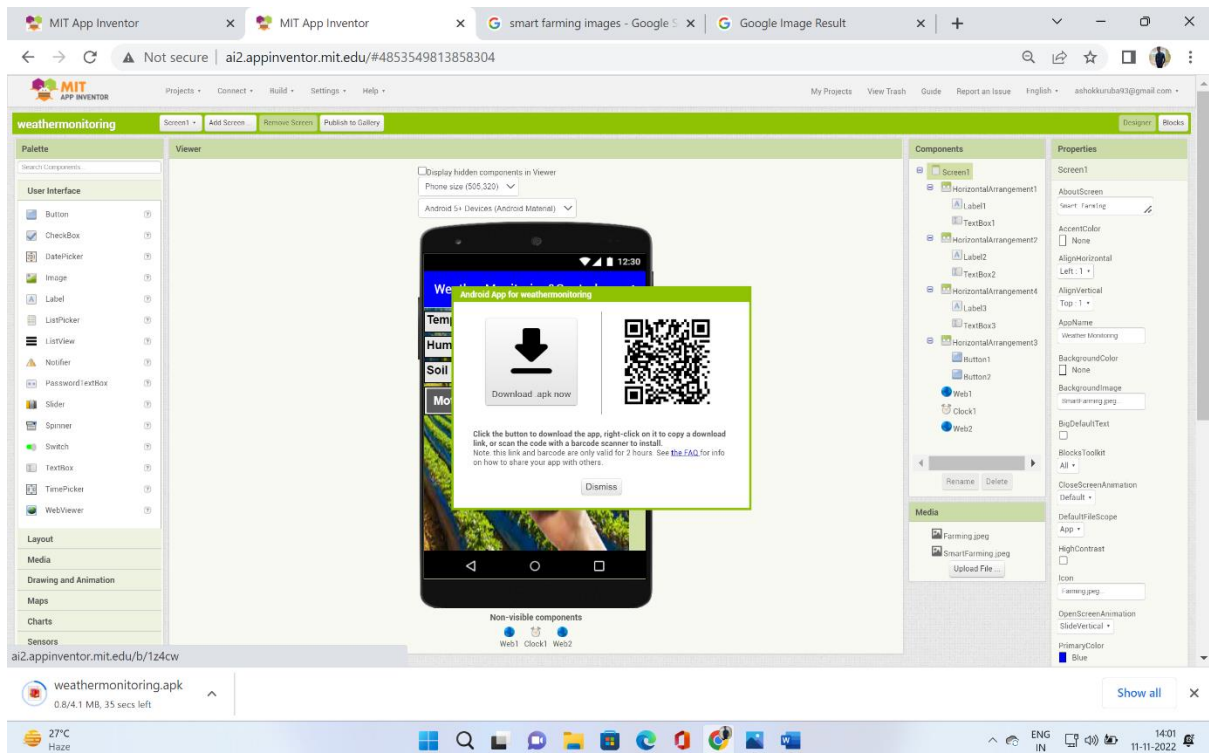




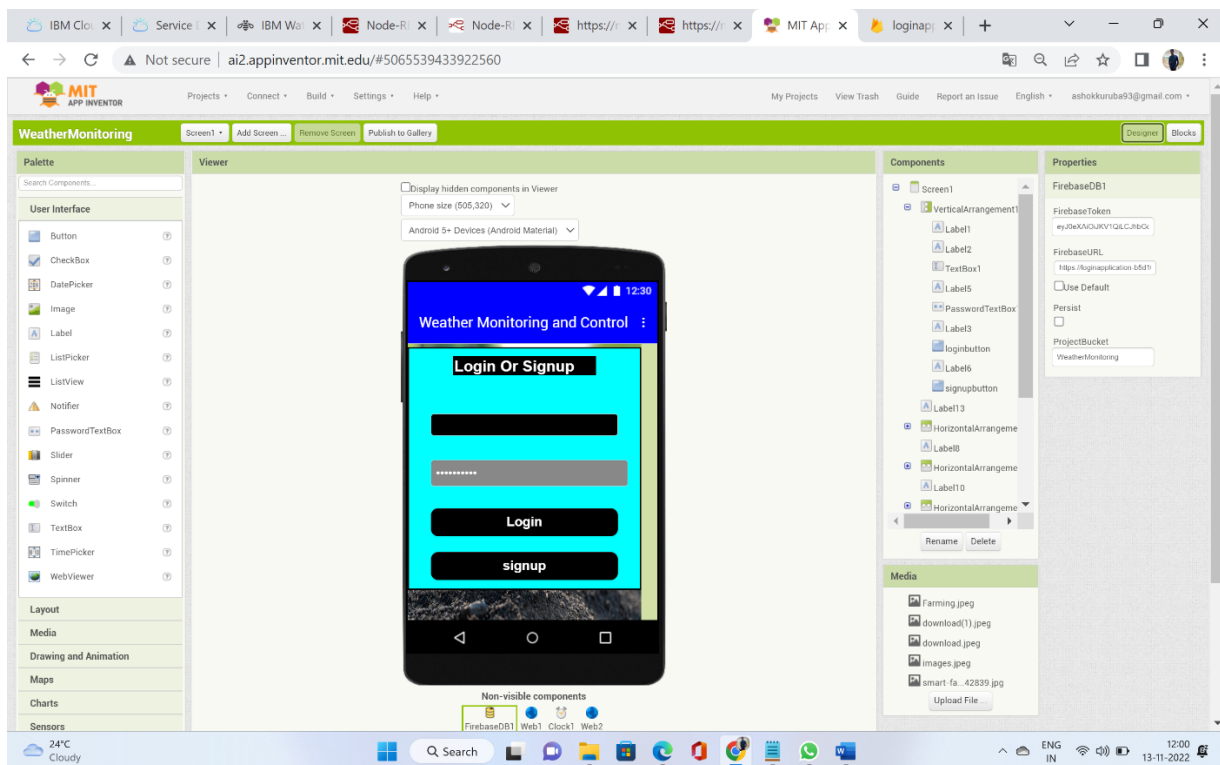
## Step-5: After click apk file it take one minute compailing



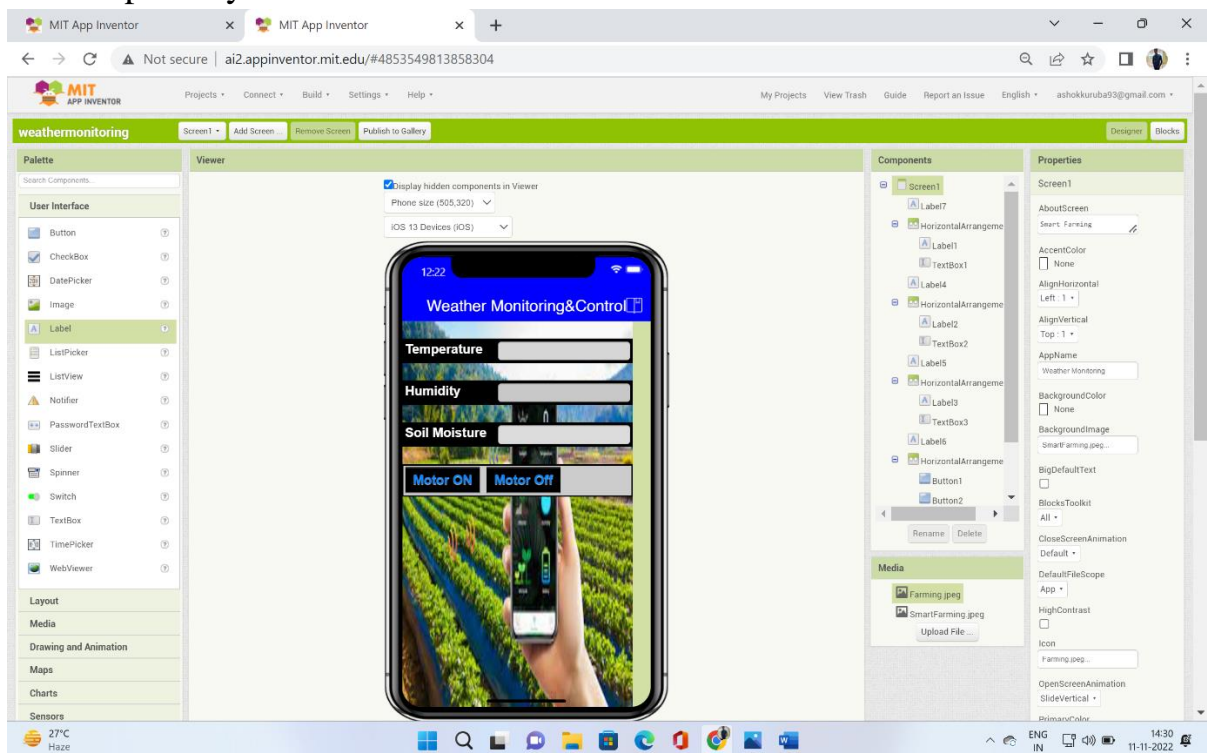
## Step-6: Click the download apk.file



## Final Design of the mobile app.

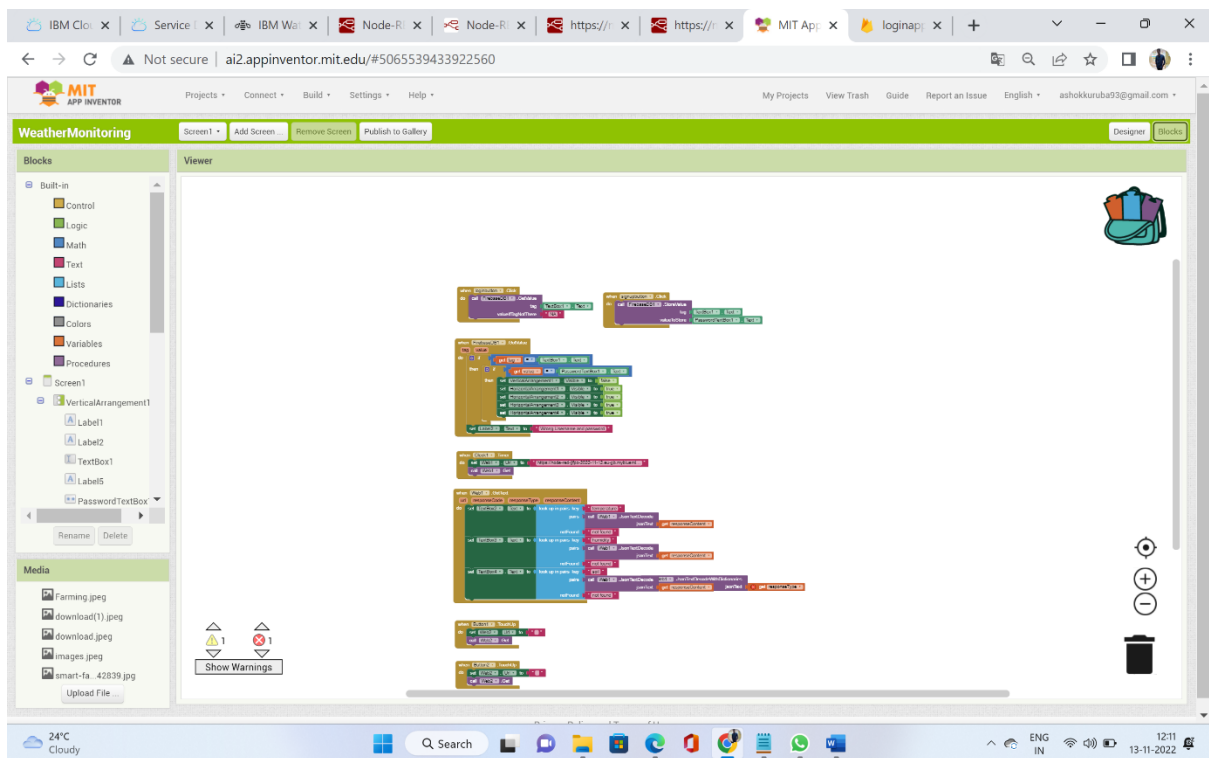


After giving username and password click login button .Next the below window will be open in your mobile.





## 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.

