

## SPRINT 4

Date	17 November 2022
Team ID	PNT2022TMID44390
Project Name	Project Title – Smart Farmer - IOT Enabled smart Farming Application

## MIT APP INVENTOR

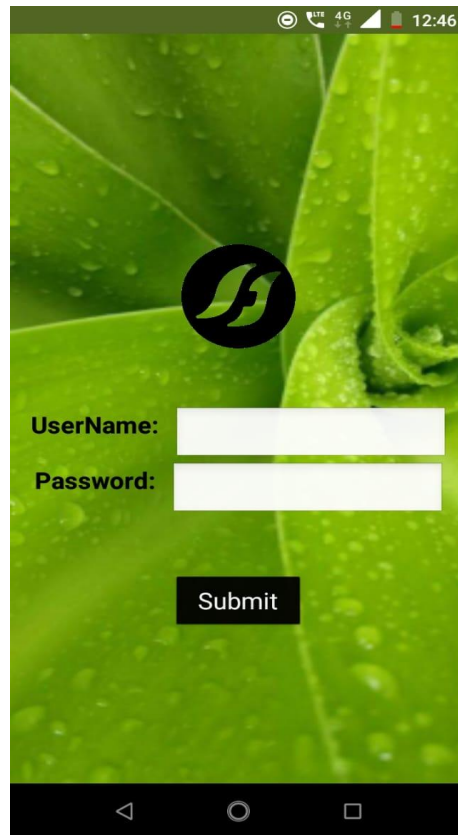
MIT App Inventor is an intuitive, visual programming environment that allows everyone even children to build fully functional apps for smartphones and tablets.

**Screen 1 - Home page** - This is the MIT AI2 Companion home page.



## Screen - 2 - Login page

This page consists of credentials like username , password and submit button.



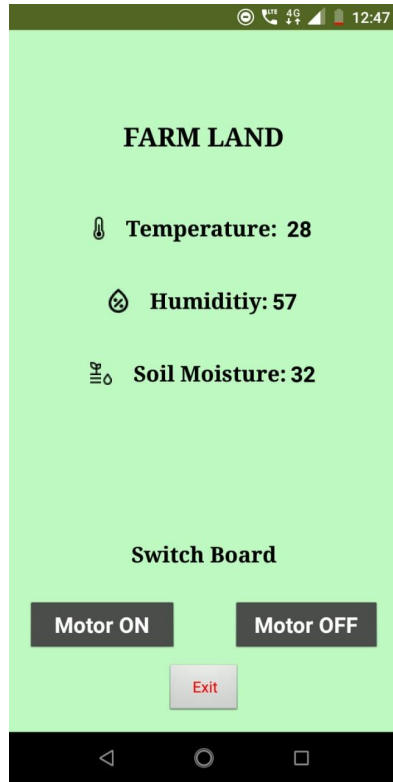
## Screen - 3 - Info page

Information page credentials consists of,

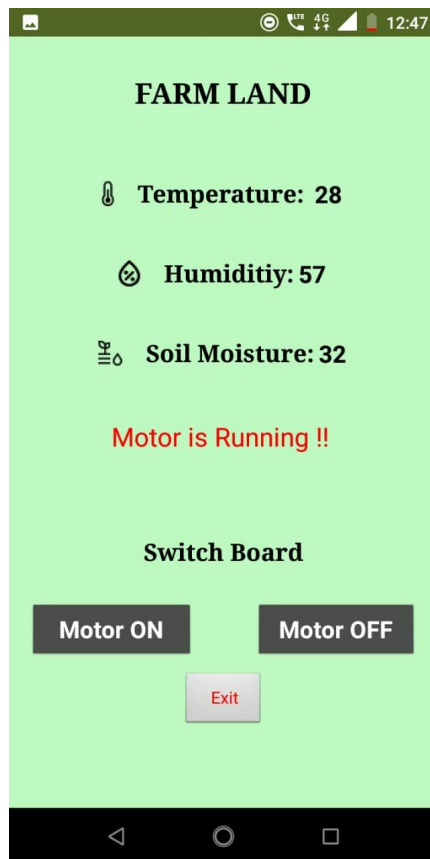
- 1.Temperature
2. Humidity
3. Soil moisture

The Switch board buttons are,

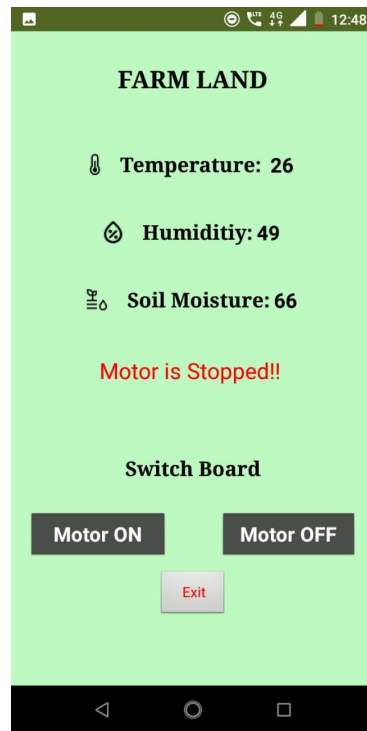
- 1.Motor ON
- 2.Motor OFF
- 3.Exit



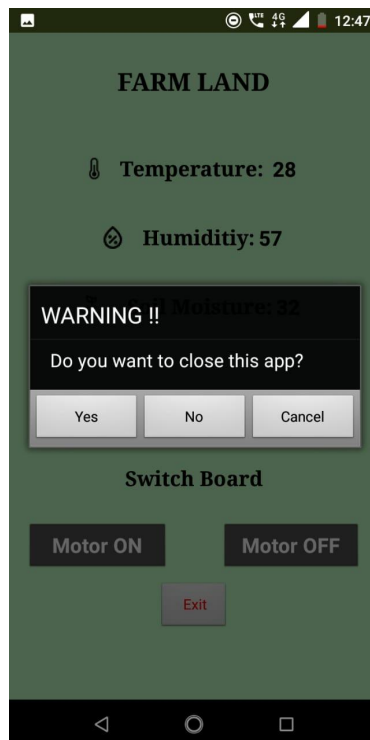
1. When clicking on Motor ON button, the display is shown as “MOTOR IS RUNNING!!”



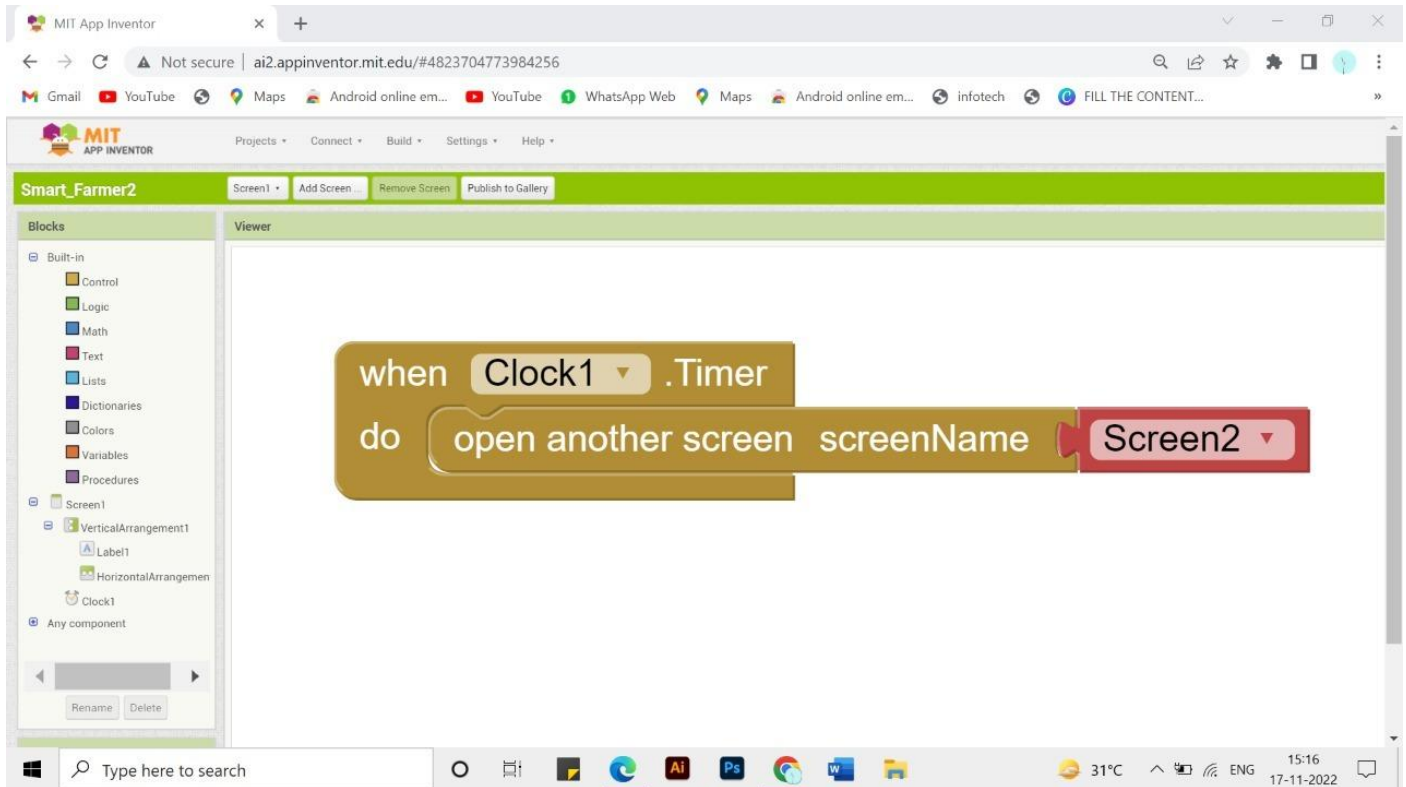
2. When clicking on Motor OFF button, the display is shown as “MOTOR IS STOPPED!!”



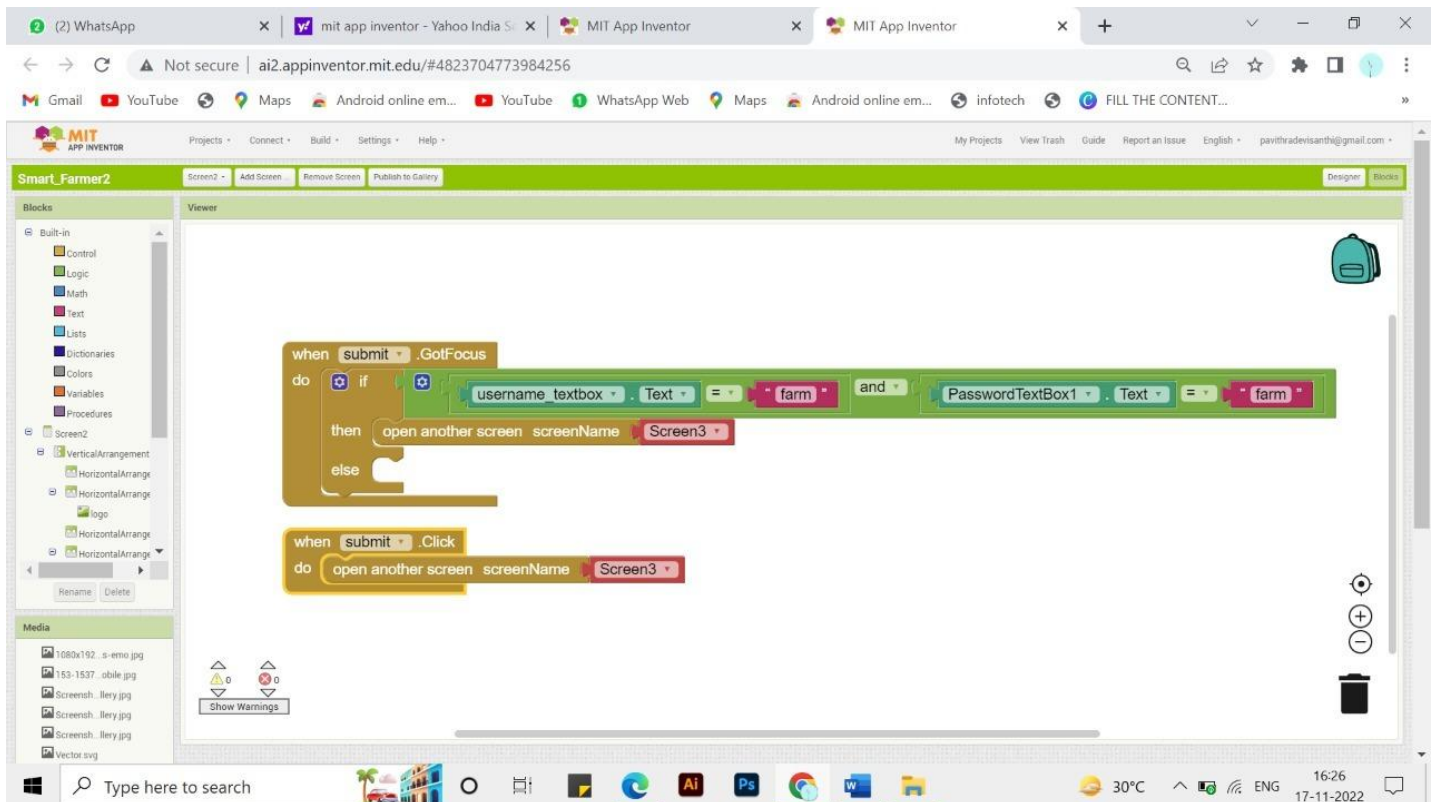
3. When clicking on Exit button, the display is shown as



## Screen - 1 Code



## Screen - 2 Code



## Screen - 3 Code

MIT App Inventor

Not secure | ai2.appinventor.mit.edu/#4823704773984256

Gmail YouTube Maps Android online em... YouTube WhatsApp Web Maps Android online em... infotech FILL THE CONTENT...

when Clock1.Timer

do

set Web1.Uri to https://node-red-unznmj-2022-11-09.au-syd.mybluem...  
call Web1.Get

when Web1.GoText

url responseCode responseType responseContent

do

set Label3.Text to look up in pairs key temp  
pairs call Web1.JsonTextDecode  
jsonText get responseContent  
notFound not found

set Label4.Text to look up in pairs key humidity  
pairs call Web1.JsonTextDecode  
jsonText get responseContent  
notFound not found

set Label6.Text to look up in pairs key randomNumber  
pairs call Web1.JsonTextDecode  
jsonText get responseContent  
notFound not found

when motoron.Click

do

set Web2.Uri to https://node-red-unznmj-2022-11-09.au-syd.mybluem...  
call Web2.Get  
call motoron\_notify.ShowAlert  
notice Motor is Running !!

Type here to search

31°C 15:05 17-11-2022

MIT App Inventor

Not secure | ai2.appinventor.mit.edu/#4823704773984256

Gmail YouTube Maps Android online em... YouTube WhatsApp Web Maps Android online em... infotech FILL THE CONTENT...

when Clock1.Timer

do

set Web1.Uri to https://node-red-unznmj-2022-11-09.au-syd.mybluem...  
call Web1.Get

when Web1.GoText

url responseCode responseType responseContent

do

set Label3.Text to look up in pairs key temp  
pairs call Web1.JsonTextDecode  
jsonText get responseContent  
notFound not found

set Label4.Text to look up in pairs key humidity  
pairs call Web1.JsonTextDecode  
jsonText get responseContent  
notFound not found

set Label6.Text to look up in pairs key randomNumber  
pairs call Web1.JsonTextDecode  
jsonText get responseContent  
notFound not found

when motoron.Click

do

set Web2.Uri to https://node-red-unznmj-2022-11-09.au-syd.mybluem...  
call Web2.Get  
call motoron\_notify.ShowAlert  
notice Motor is Running !!

Type here to search

31°C 15:05 17-11-2022