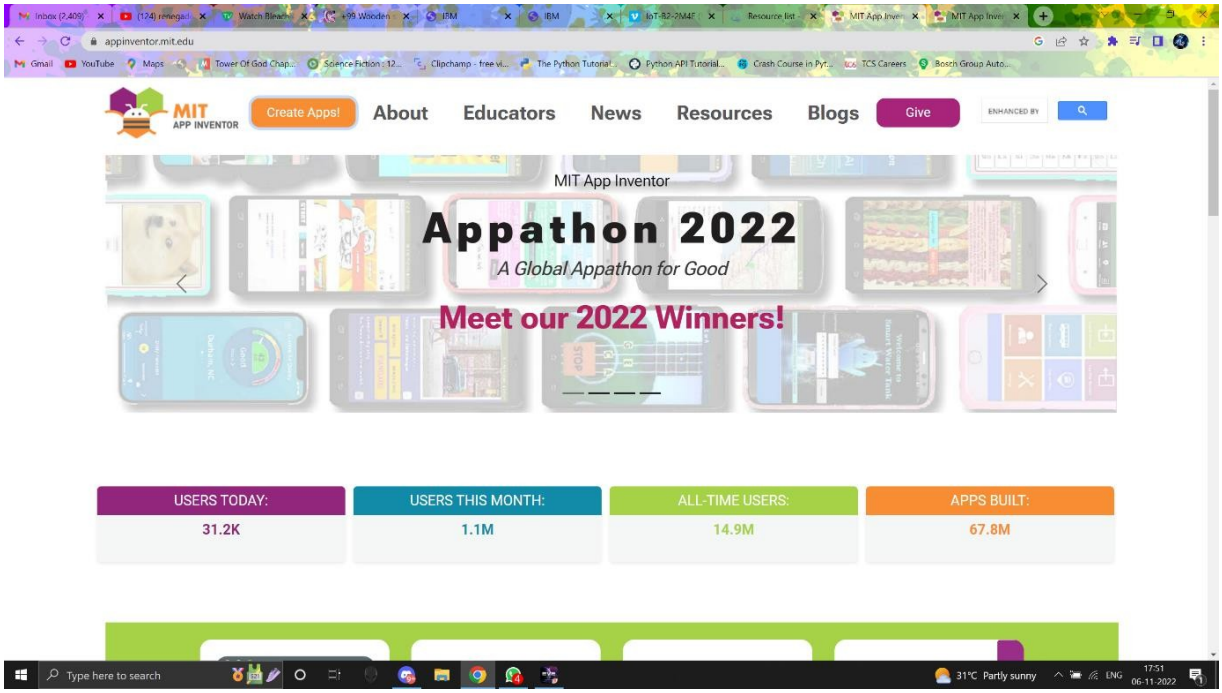
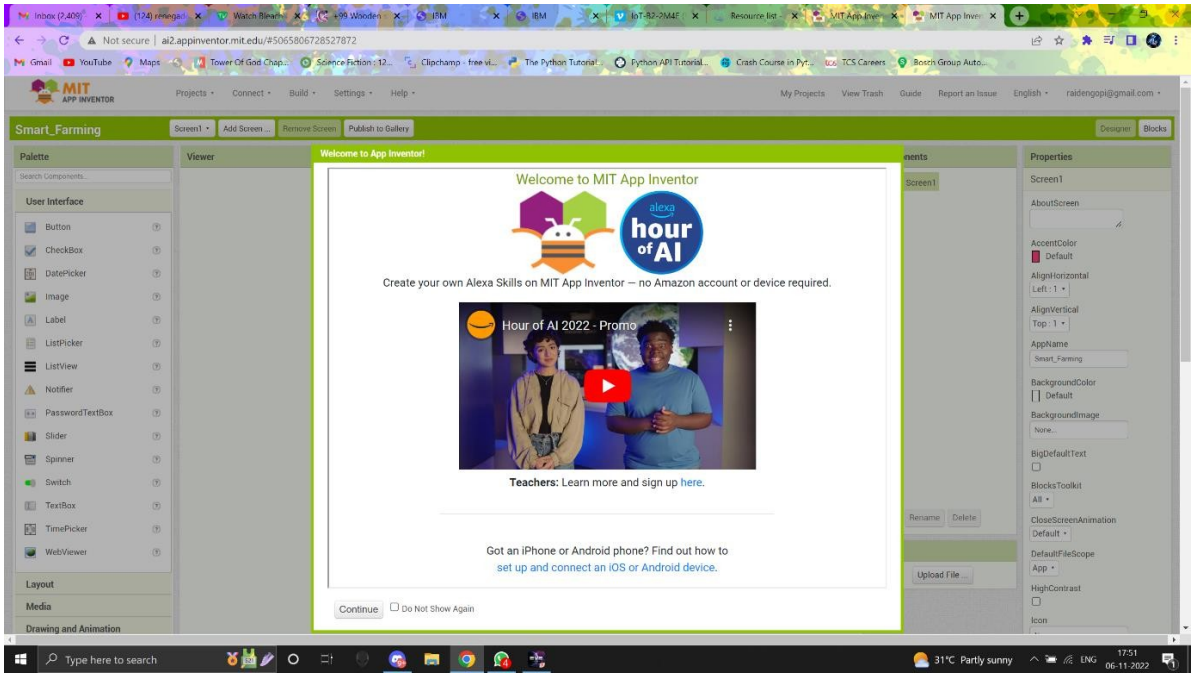
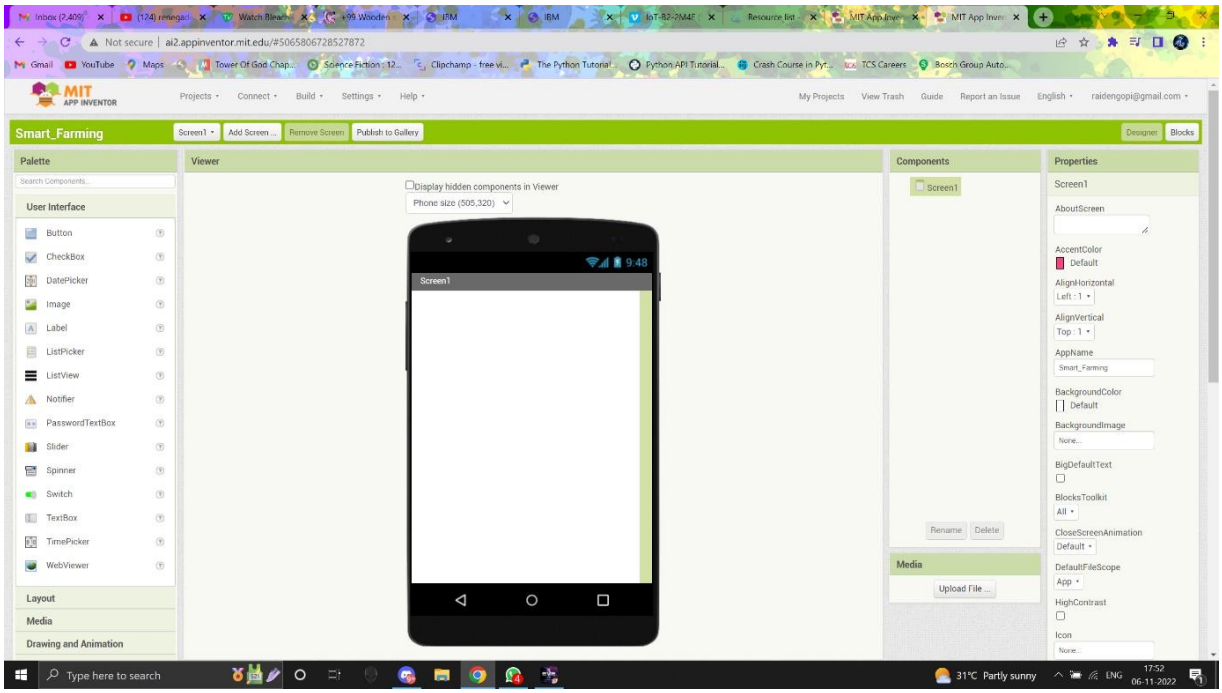
SPRINT-3

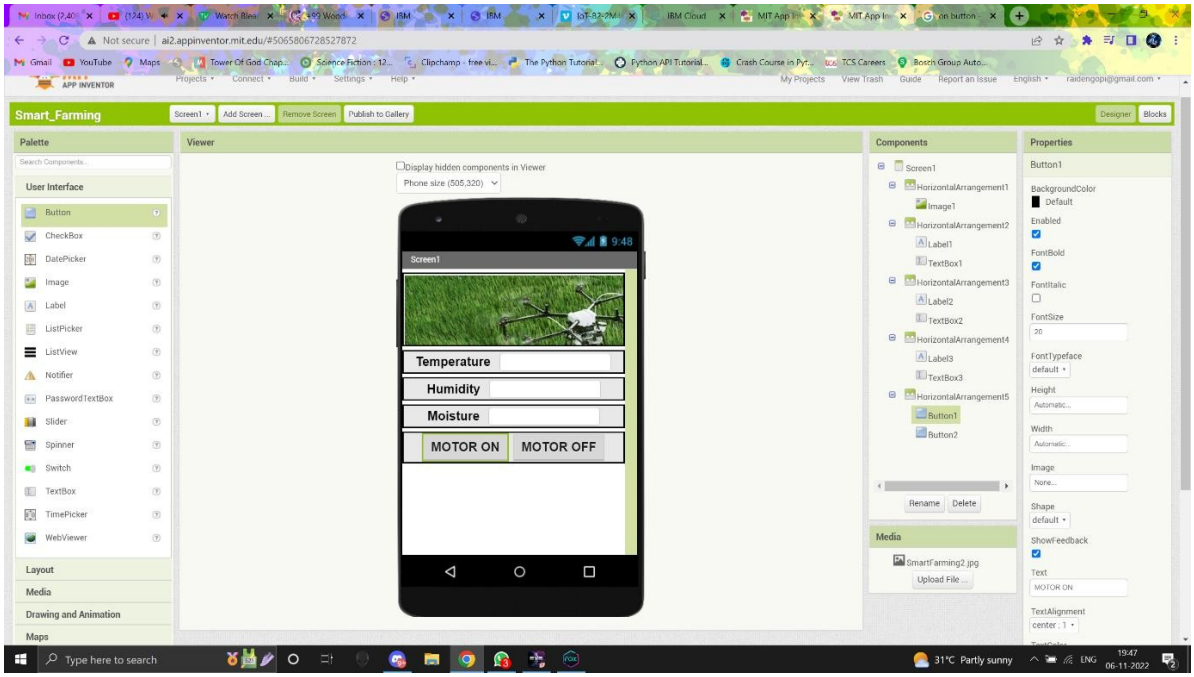
MIT App Inventor

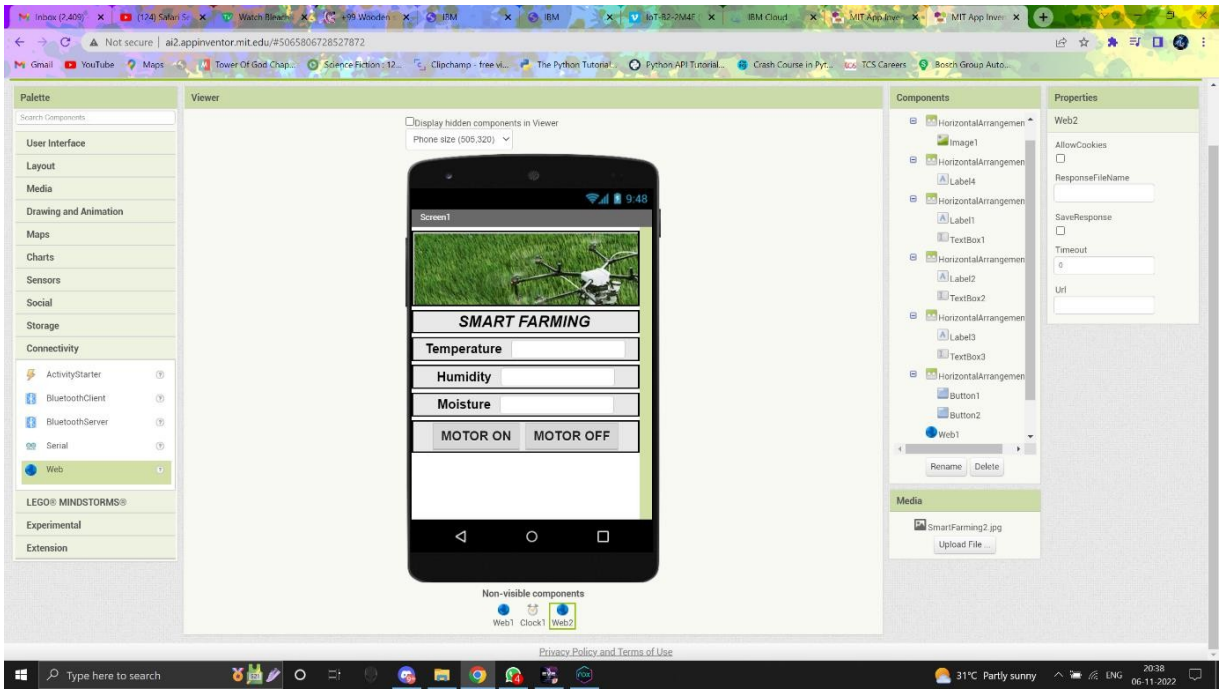
DATE	10 November 2022
TEAM ID	PNT2022TMID27109
PROJECT NAME	SmartFarmer-IoT Enabled Smart Farming Application





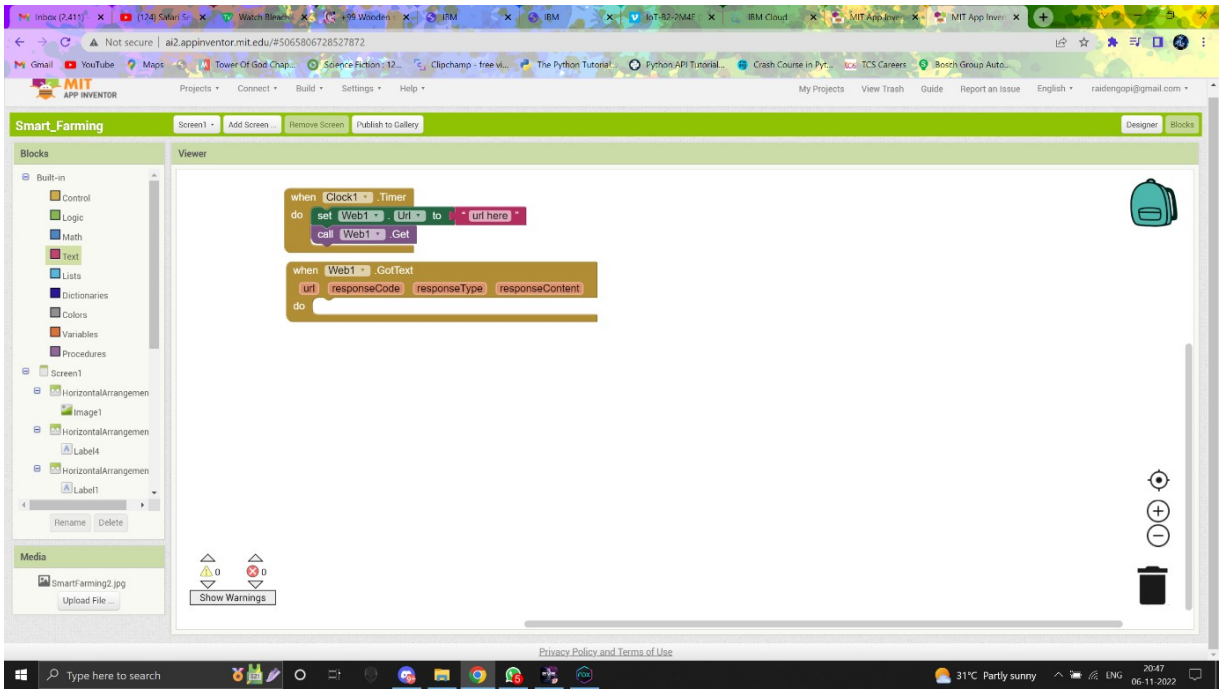

Smart_Farming
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Palette
Viewer
Components
Properties
User Interface
Button
CheckBox
DatePicker
Image
Label
ListPicker
ListView
Notifier
PasswordTextBox
Slider
Spinner
Switch
TextBox
TimePicker
WebViewer
Layout
Media
Drawing and Animation
Display hidden components in Viewer
Phone size (505,320)
9:48
Screen1
Rename
Delete
Media
Upload File ...
AboutScreen
AccentColor
Default
AlignHorizontal
Left : 1
AlignVertical
Top : 1
AppName
Smart_Farming
BackgroundColor
Default
BackgroundImage
None...
BigDefaultText
BlocksToolkit
All
CloseScreenAnimation
Default
DefaultFileScope
App
HighContrast
Icon
None...
Type here to search
31°C Partly sunny
ENG
17:52
06-11-2022

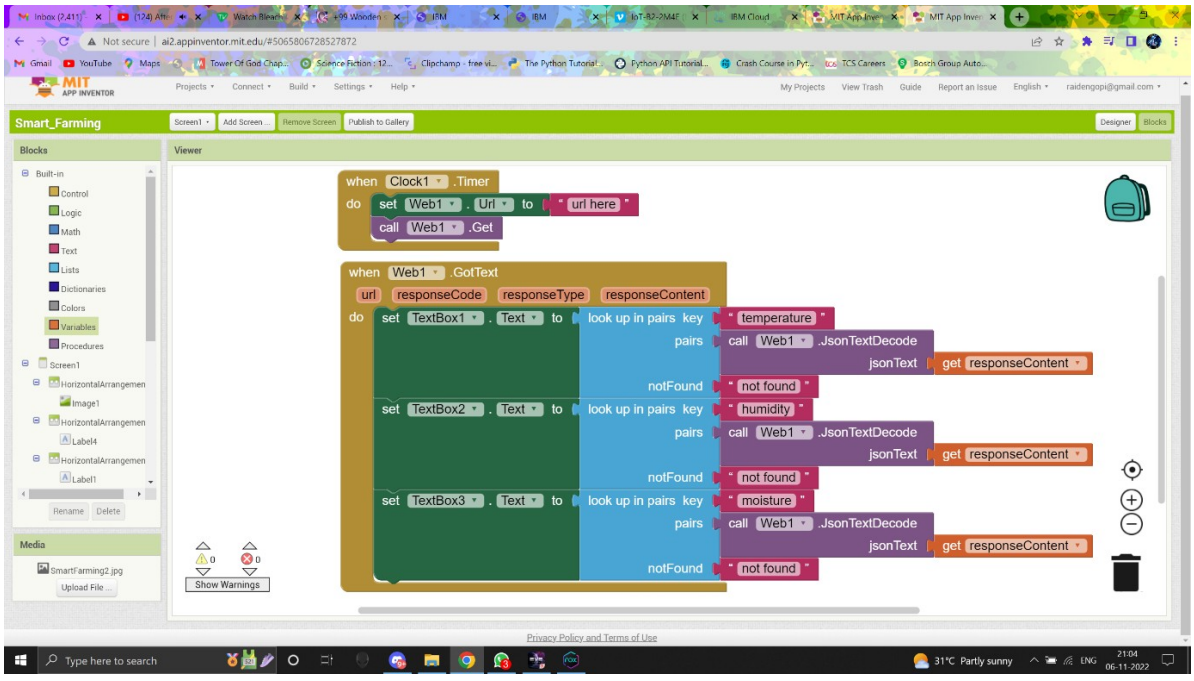

Smart_Farming
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Palette
Viewer
Components
Properties
User Interface
Button
CheckBox
DatePicker
Image
Label
ListPicker
ListView
Notifier
PasswordTextBox
Slider
Spinner
Switch
TextBox
TimePicker
WebViewer
Layout
Media
Drawing and Animation
Maps
Display hidden components in Viewer
Phone size (505,320)
9:48
Screen1
Temperature
Humidity
Moisture
MOTOR ON
MOTOR OFF
Screen1
HorizontalArrangement1
Image1
HorizontalArrangement2
Label1
TextBox1
HorizontalArrangement3
Label2
TextBox2
HorizontalArrangement4
Label3
TextBox3
HorizontalArrangement5
Button1
Button2
Rename
Delete
Media
SmartFarming2.jpg
Upload File ...
Button1
BackgroundColor
Default
Enabled
FontBold
FontItalic
FontSize
20
FontTypeface
default
Height
Automatic...
Width
Automatic...
Image
None...
Shape
default
ShowFeedback
Text
MOTOR ON
TextAlignment
center : 1
Type here to search
31°C Partly sunny
ENG
19:47
06-11-2022

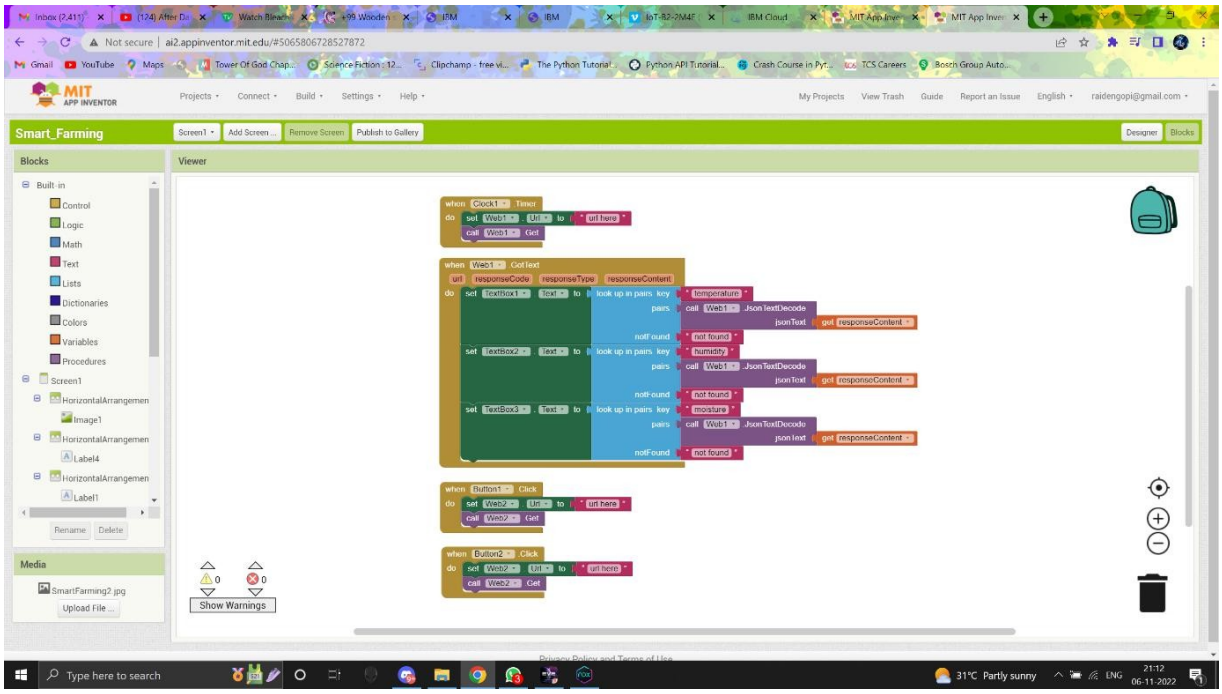


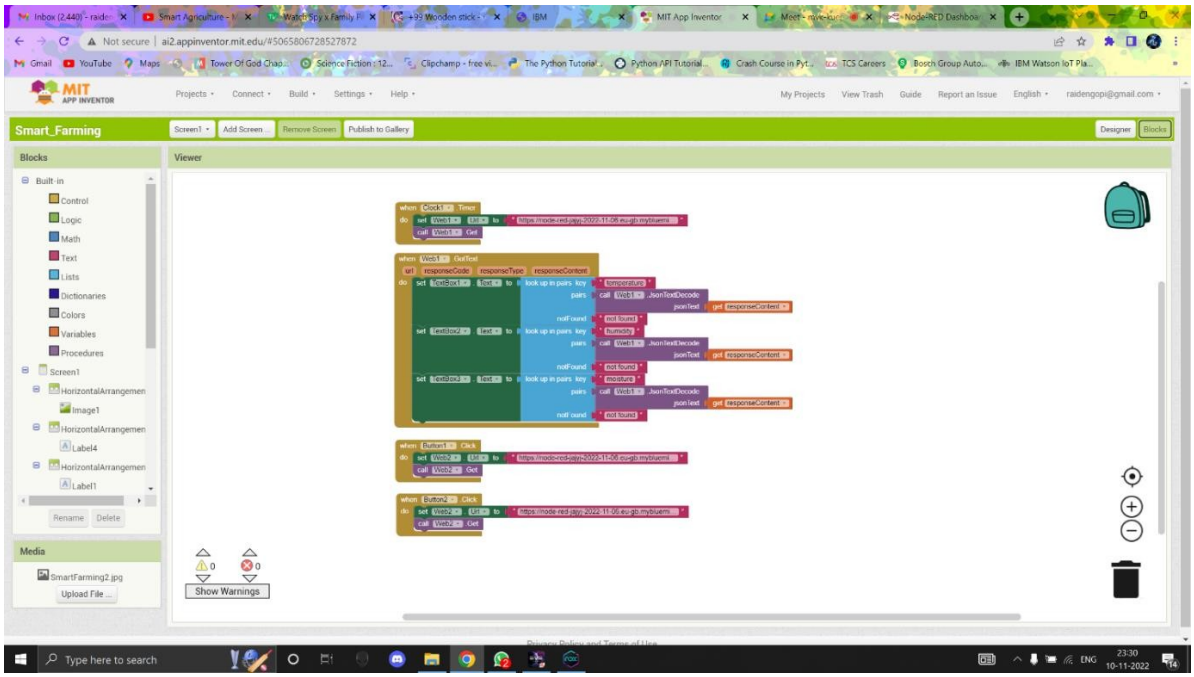
Explanation :

- **To create MIT app inventor ,go to MIT inventor website.**
- **Sign up the page with required details and click login button.**
- **Start building the application by using left panel that consist of palette, user interface, layout, media etc..,**
- **Click and drag the required BUTTONs to design the User Interface.**
- **Complete the UI works and check the interface.**
- Add the clock and web as non visible components.


Smart_Farming
Blocks
Viewer
when Clock1 .Timer
do set Web1 . Url to " url here "
call Web1 .Get
when Web1 .GotText
url responseCode responseType responseContent
do
Show Warnings
Privacy Policy and Terms of Use


Smart_Farming
Blocks
Viewer
when Clock1 .Timer
do set Web1 . Url to " url here "
call Web1 .Get
when Web1 .GotText
url responseCode responseType responseContent
do set TextBox1 . Text to look up in pairs key " temperature "
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound " not found "
set TextBox2 . Text to look up in pairs key " humidity "
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound " not found "
set TextBox3 . Text to look up in pairs key " moisture "
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound " not found "
Show Warnings
Privacy Policy and Terms of Use


Not secure | ai2.appinventor.mit.edu/#5065806728527872
MIT APP INVENTOR
Projects
Connect
Build
Settings
Help
My Projects
View Trash
Guide
Report an Issue
English
raidengopi@gmail.com
Smart_Farming
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Blocks
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen1
Image1
Label4
Label1
Rename
Delete
Media
SmartFarming2.jpg
Upload File ...
Viewer
Show Warnings
Type here to search
31°C Partly sunny
ENG
21:12
06-11-2022


Not secure | ai2.appinventor.mit.edu/#5065806728527872
MIT APP INVENTOR
Projects
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raidengopi@gmail.com
Smart_Farming
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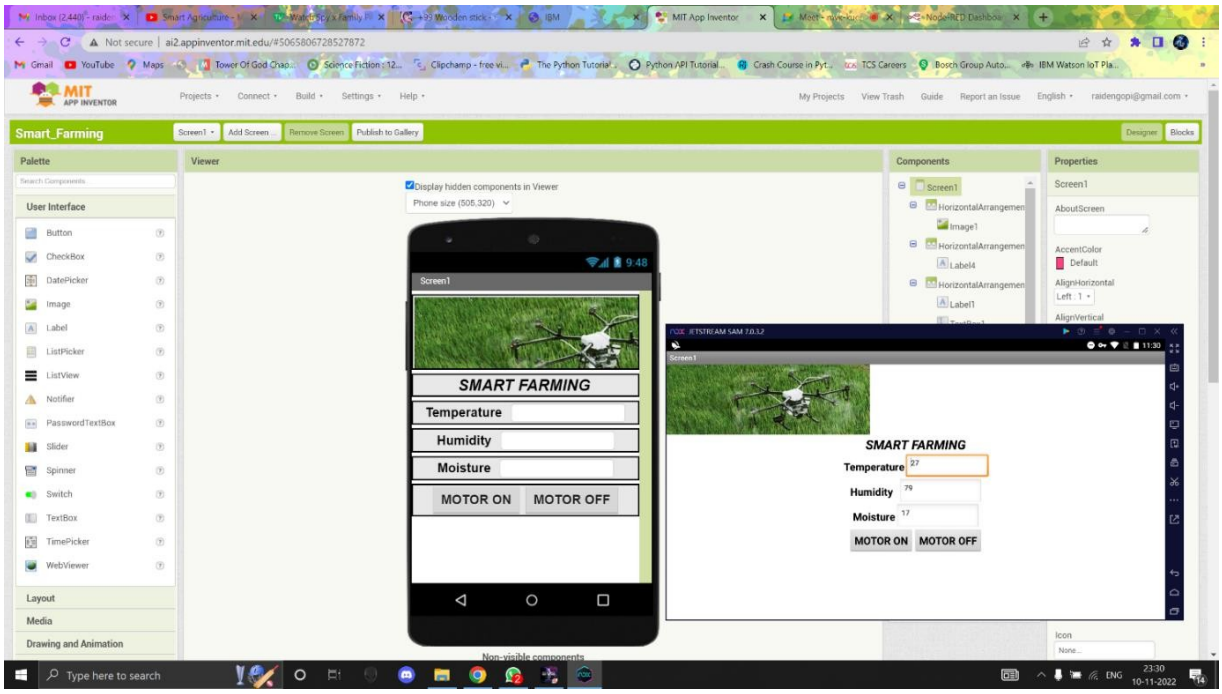
Blocks
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen1
Image1
Label4
Label1
Rename
Delete
Media
SmartFarming2.jpg
Upload File ...
Viewer
Show Warnings
Type here to search
ENG
23:30
10-11-2022



Explanation :

- **After adding the clock and web as non visible components, do the backend work.**
- **Map every column with URL, response code, response type, response content.**
- **Textbox 1,Textbox 2 and Textbox 3 are mapped as rows.**
- **Button1 and button2 are intalize to get URL.**
- **MIT APP is ready to use after entering the URL.**
- **Enter the URL in button1 and button2.**
- **APP will running in the android emulator.**