

SPRINT 4-REPORT

**SMART FARMER-IoT BASED SMART
FARMING APPILCATION**

TEAM ID : PNT2022TMID39327

TEAM LEAD : D.ILAKKIASSELVAN

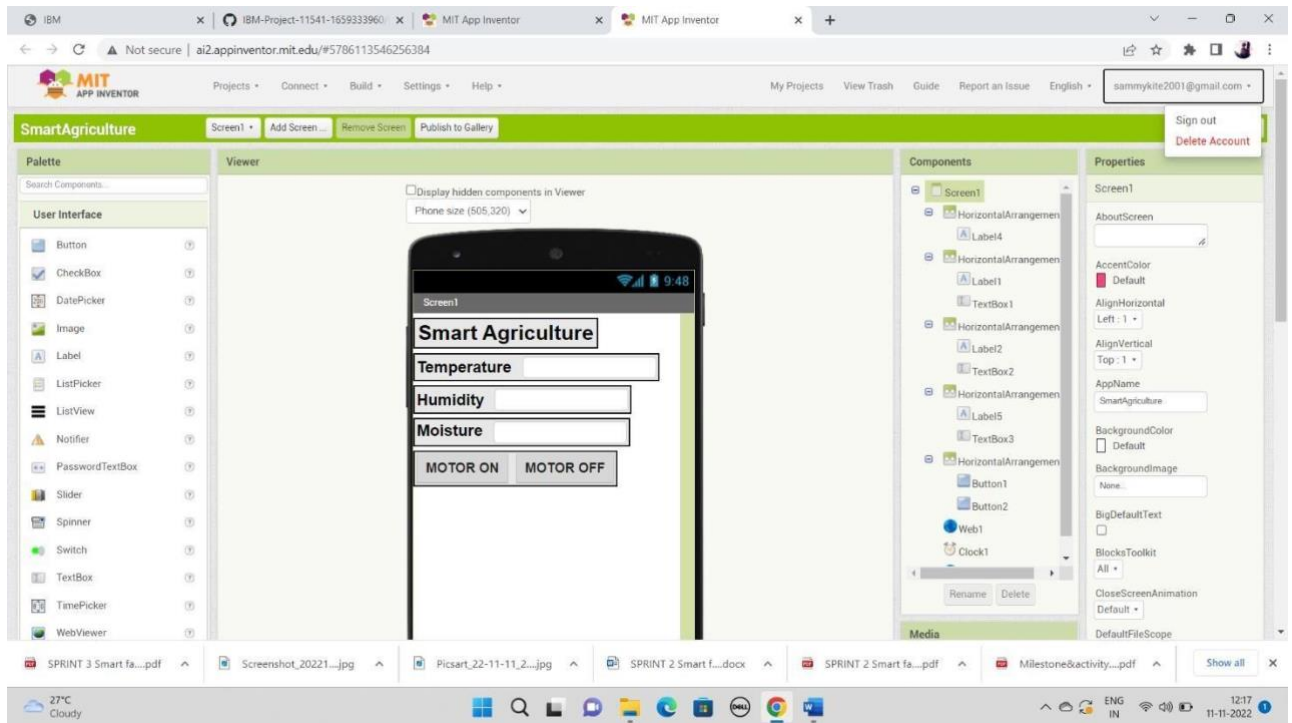
TEAM MEMBERS : 1. R.AARTHY

2.S.ABIRAMI

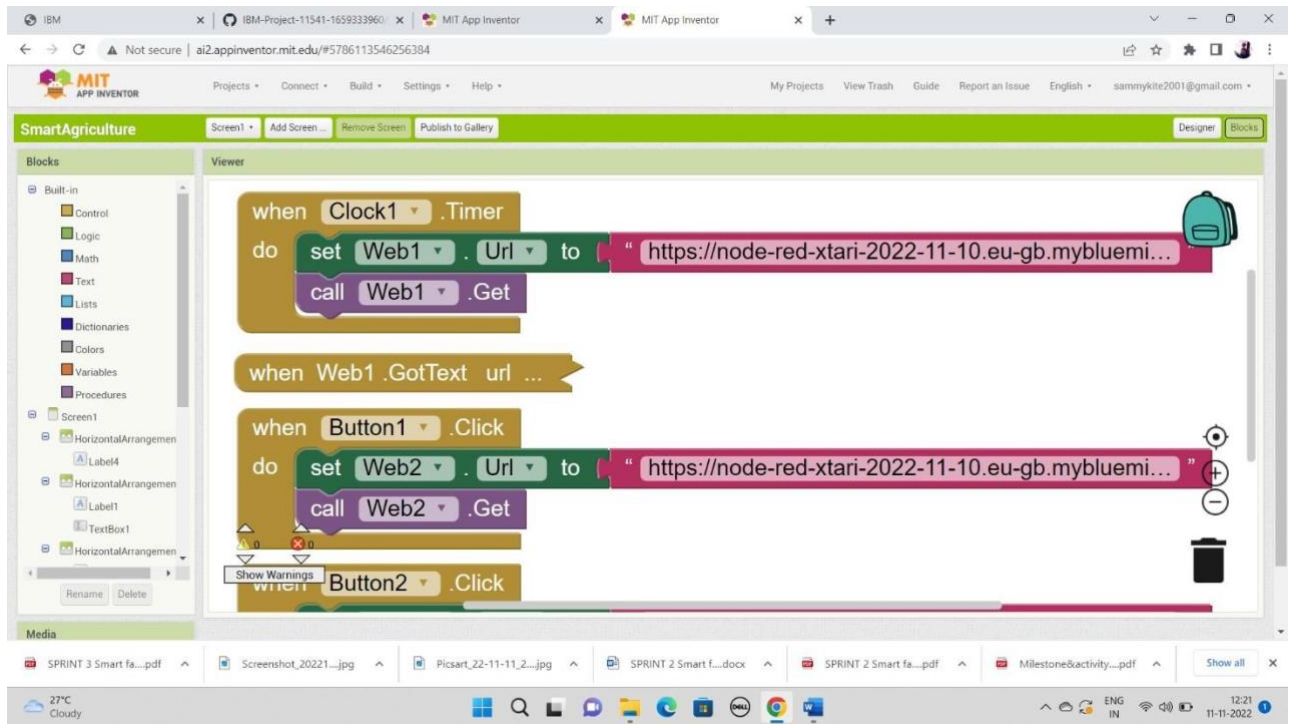
3.S.JAMUNARANI

4.V. VIJAYALAKSHMI

Creating a MIT Account



Creating Blocks to Build the Mobile Application



Configuring the Blocks with the Node Red Link

IBM

IBM-Project-11541-1659333960

MIT App Inventor

MIT App Inventor

Not secure | ai2.appinventor.mit.edu/#5786113546256384

Projects • Connect • Build • Settings • Help •

My Projects View Trash Guide Report an issue English • sammykite2001@gmail.com •

SmartAgriculture

Screen1 • Add Screen... Remove Screen Publish to Gallery

Designer Blocks

Built-in

Control

Logic

Math

Text

Lists

Dictionaries

Colors

Variables

Procedures

Screen1

HorizontalArrangemen

Label4

HorizontalArrangemen

Label1

TextBox1

HorizontalArrangemen

Rename

Delete

Viewer

when Clock1.Timer

do

set Web1.Url to "https://node-red-xtari-2022-11-10.eu-gb.mybluemix.net"

call Web1.Get

when Web1.GotText url ...

when Button1.Click

do

set Web2.Url to "https://node-red-xtari-2022-11-10.eu-gb.mybluemix.net"

call Web2.Get

when Button2.Click

do

set Web2.Url to "https://node-red-xtari-2022-11-10.eu-gb.mybluemix.net"

call Web2.Get

Media

SPRINT 3 Smart fa...pdf

Screenshot_20221...jpg

Picsart_22-11-11_2...jpg

SPRINT 2 Smart f...docx

SPRINT 2 Smart fa...pdf

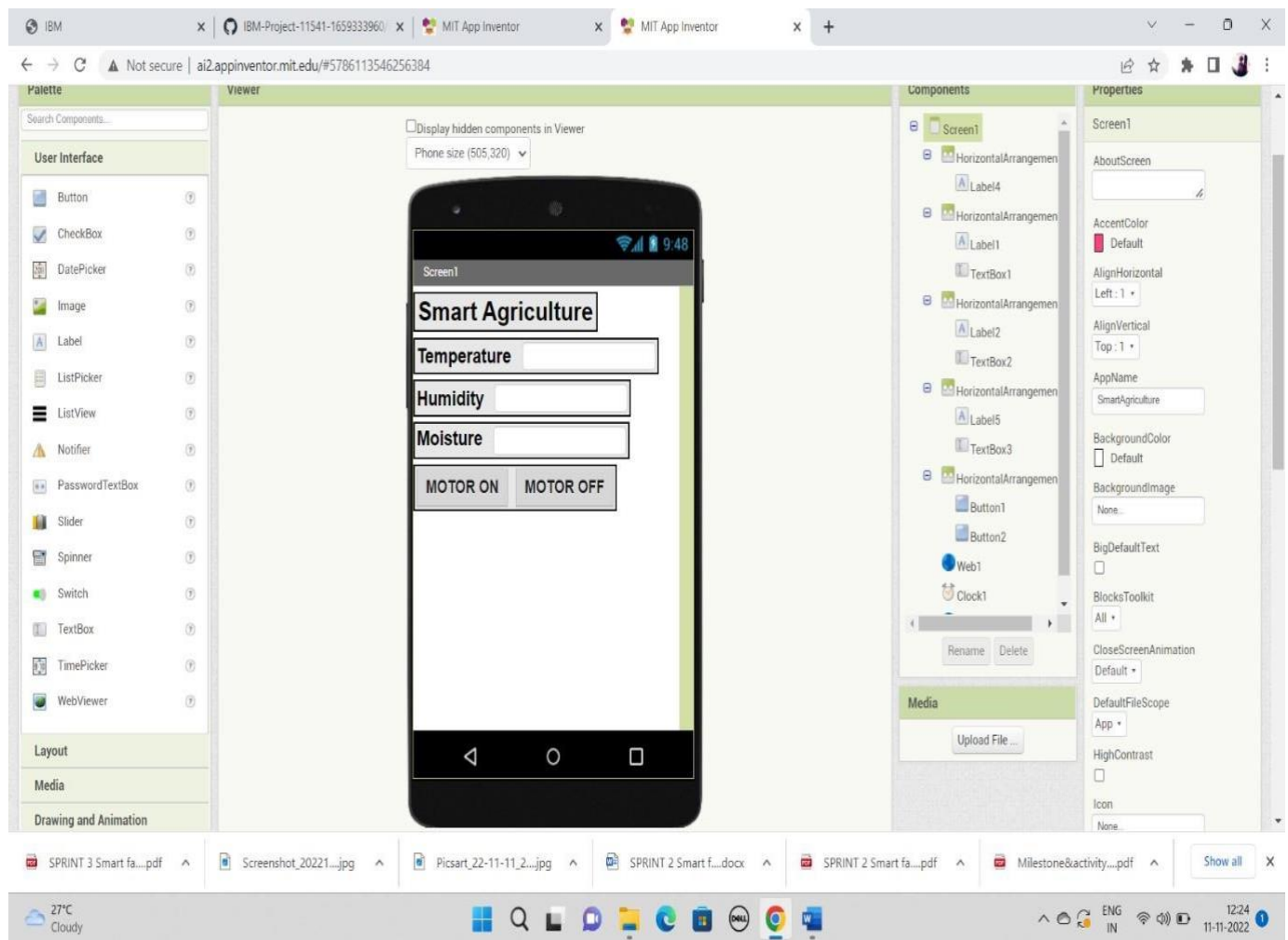
Milestone&activity...pdf

Show all

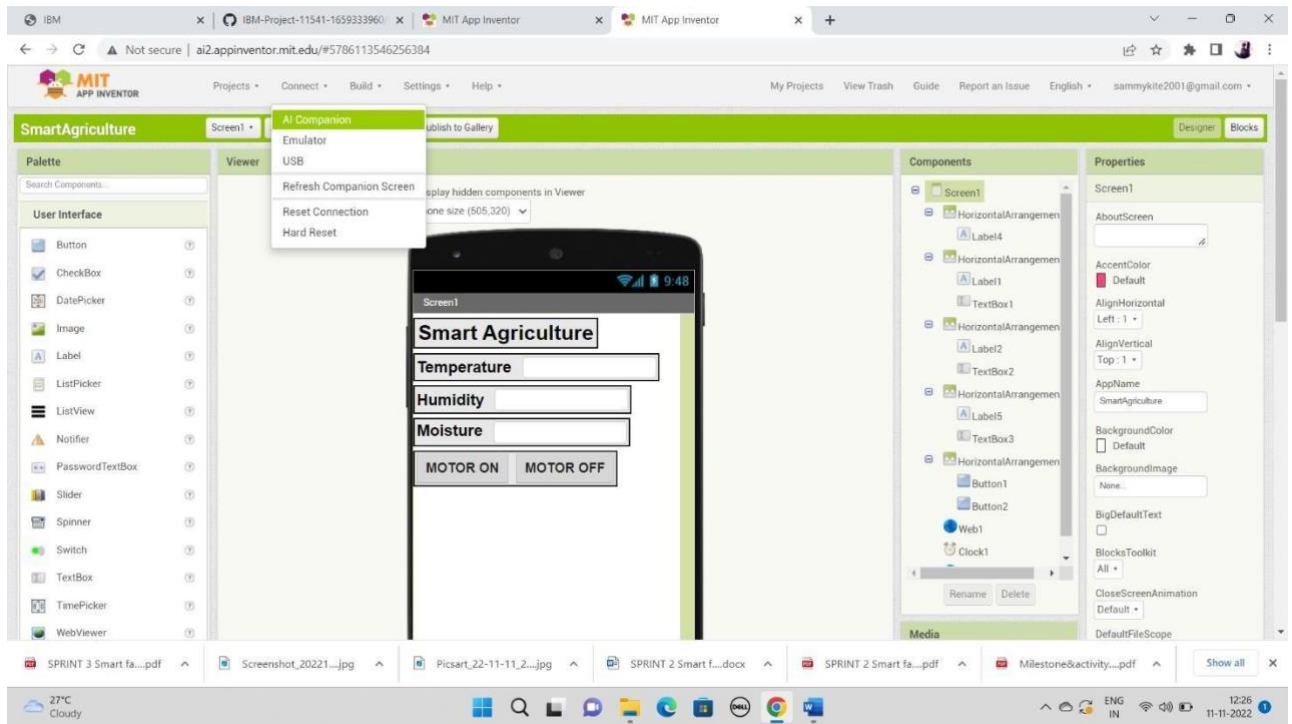
27°C Cloudy

ENG IN 12:23 11-11-2022

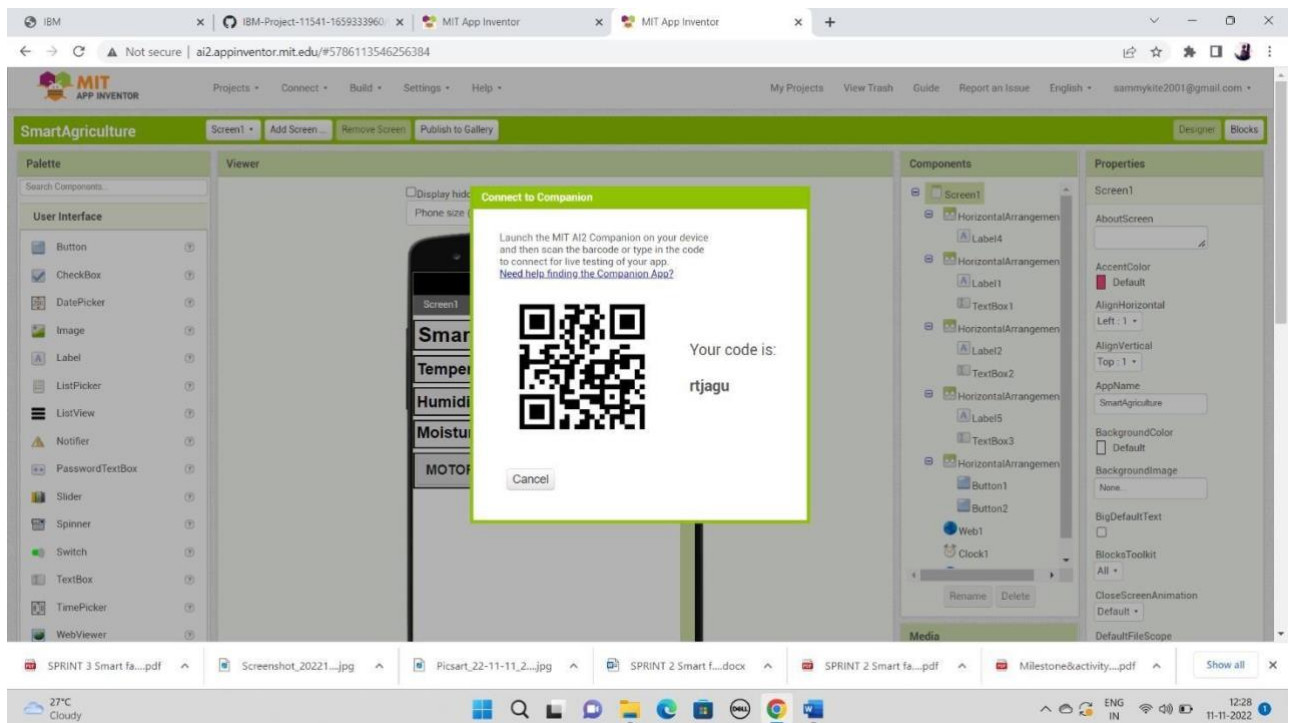
Creating the Mobile Interface



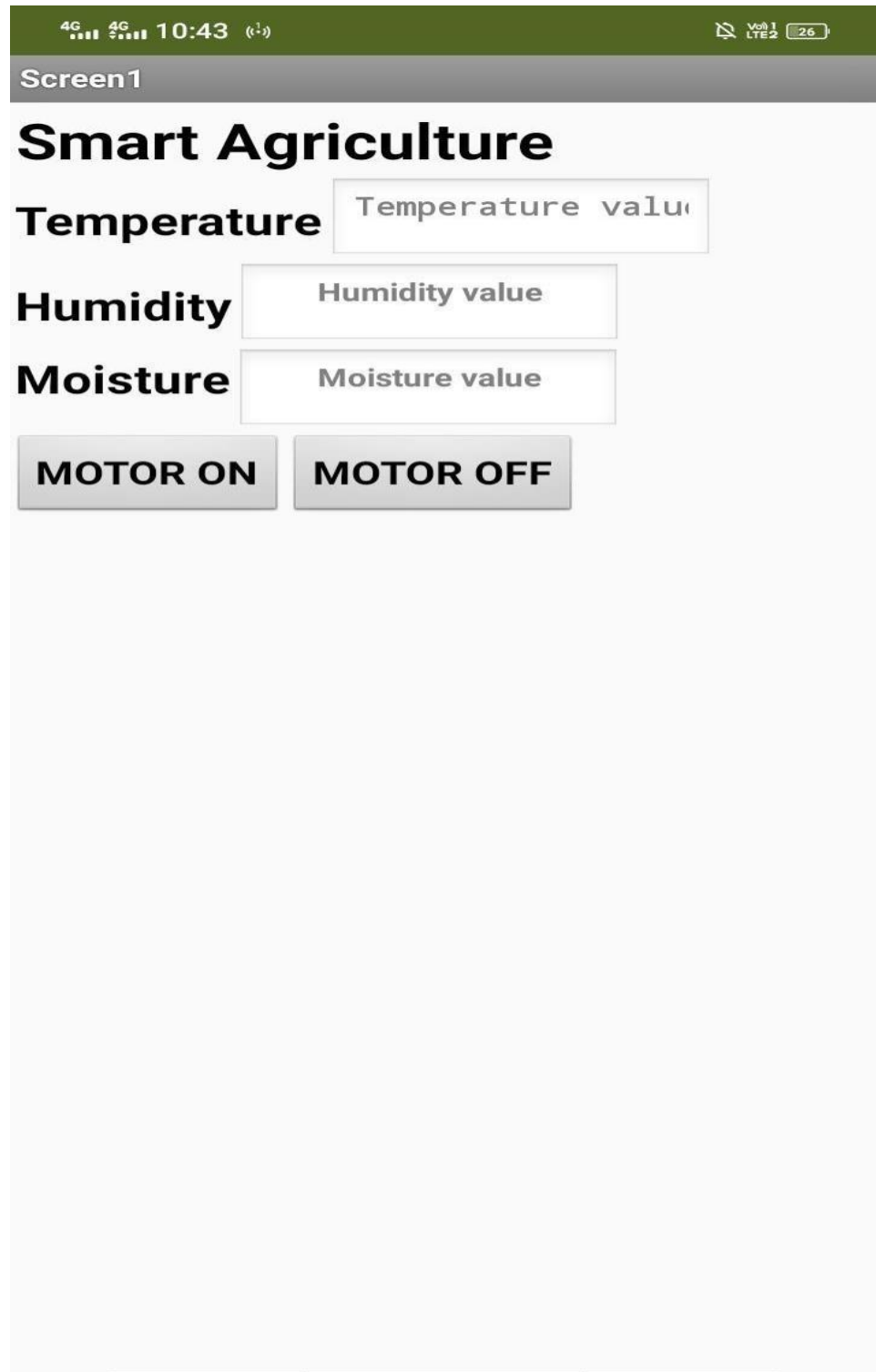
Connecting it to the AI Companion



QR Code to Connect with the Mobile



Mobile Connected Interface



Receiving Data

Screen1

Smart Agriculture

Temperature69

Humidity54

Moisture45

MOTOR ONMOTOR OFF

Motor ON and Motor OFF Command and Output

Screen1

Smart Agriculture

Temperature

69

Humidity

54

Moisture

45

MOTOR ON

MOTOR OFF

```
debug
all nodes
all
11/11/2022, 1:51:11 AM node: 0e1f6bb2ab4b3941
msg.payload : Object
{ command: "motoroff" }
11/11/2022, 1:51:11 AM node: IBM IoT
msg : string[51]
"[ApplicationClient:publish] Client
is not connected"
11/11/2022, 1:51:11 AM node: 0e1f6bb2ab4b3941
msg.payload : Object
{ command: "motoron" }
11/11/2022, 1:51:11 AM node: IBM IoT
msg : string[51]
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msg.payload : Object
{ command: "motoron" }
```