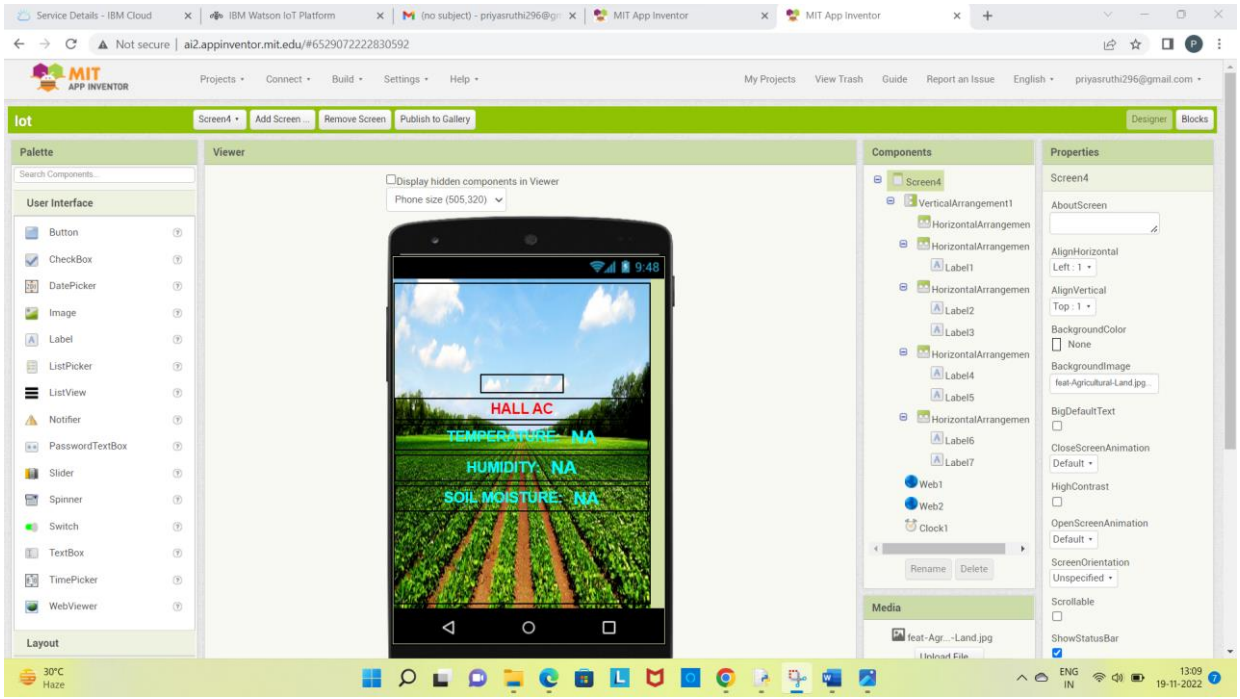
SPRINT-4

TEAM ID: PNT2022TMID54441

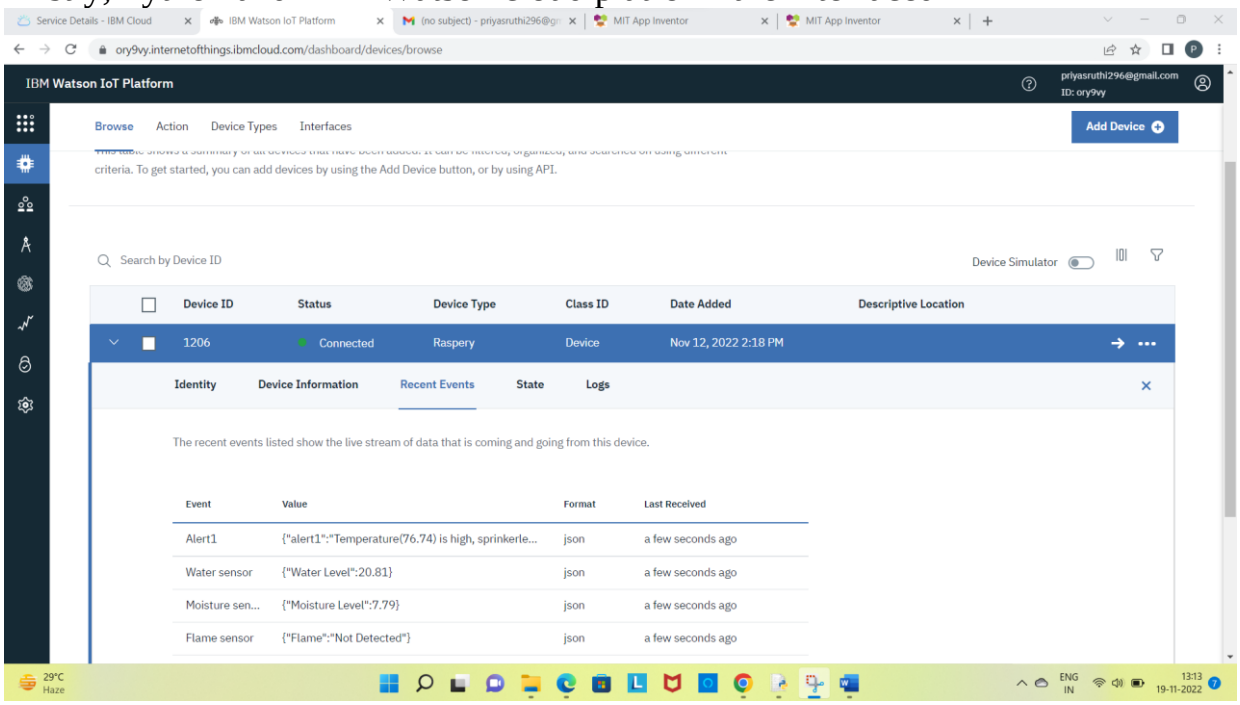
PROJECT NAME : IoT based smart crop protection system for Agriculture

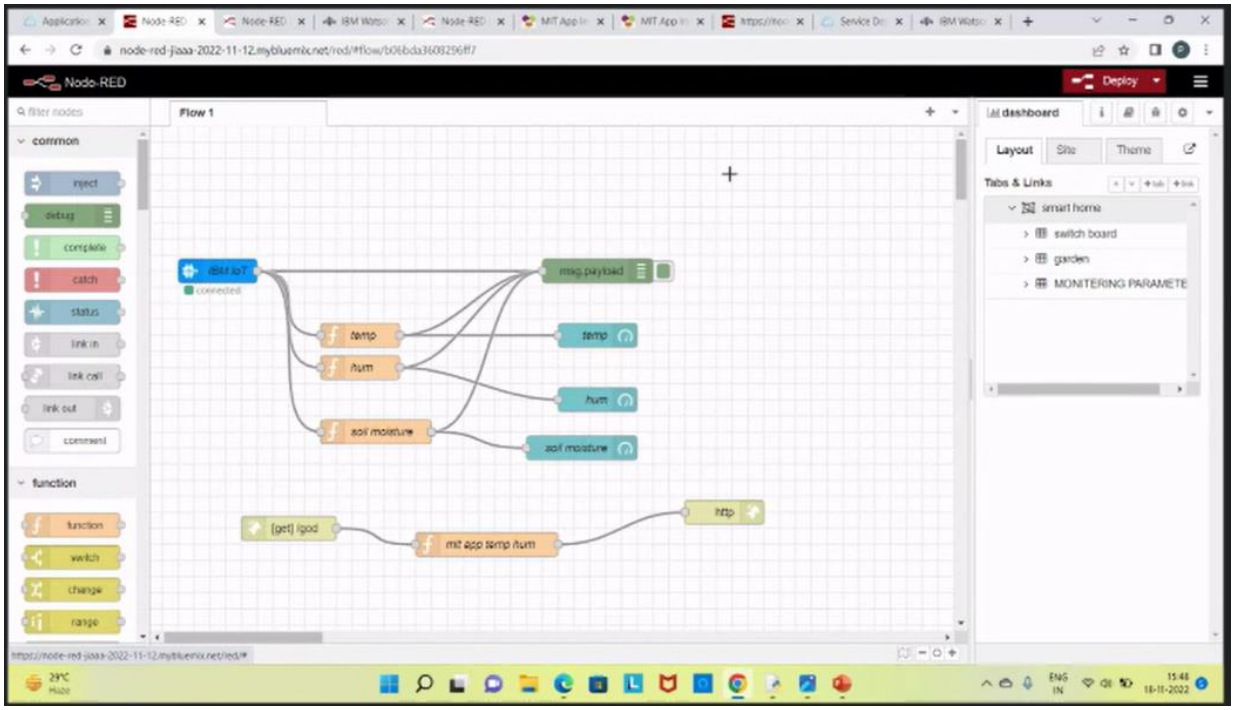
Step1:MIT APP inventor to design the APP. This is the user interface of the app

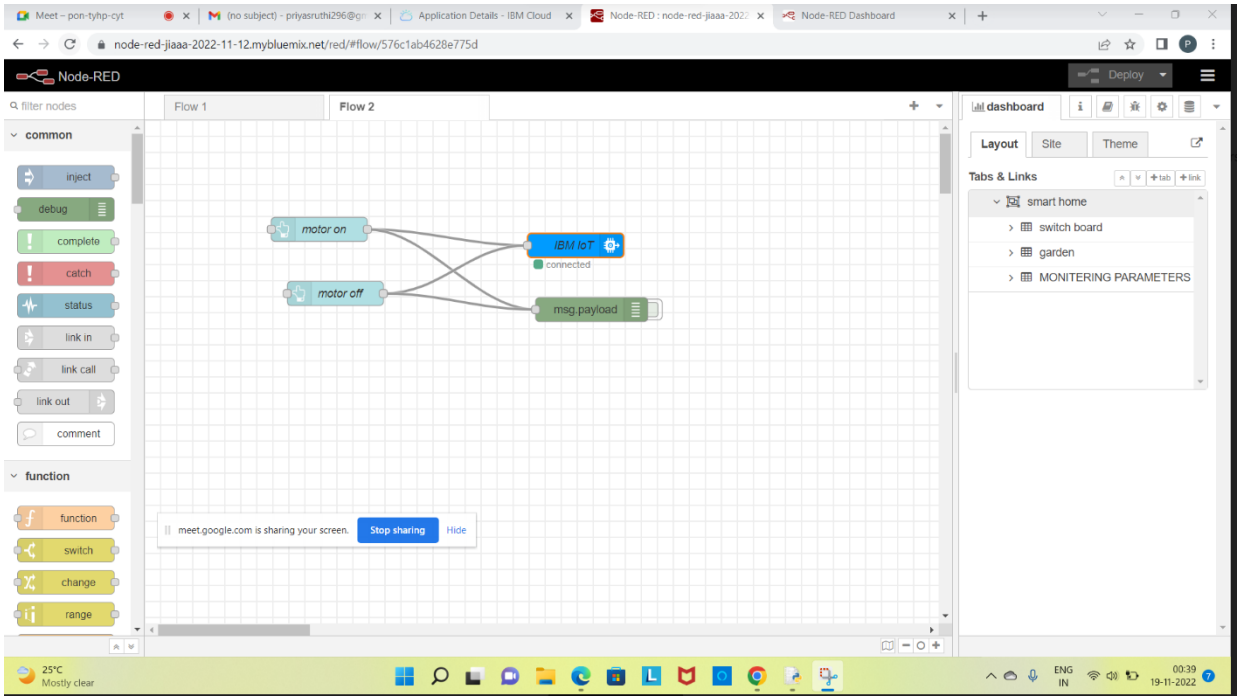


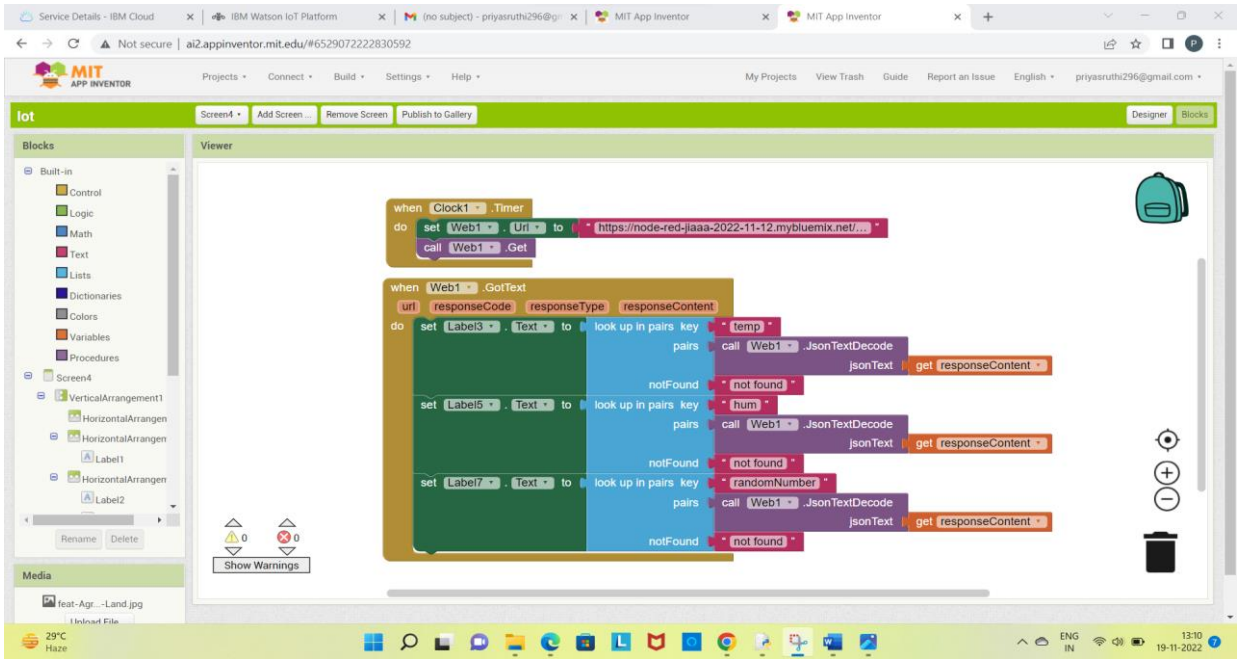
Step2:Customize the APP interface to display the values

Firstly, Python and IBM Watson cloud platform are interfaced

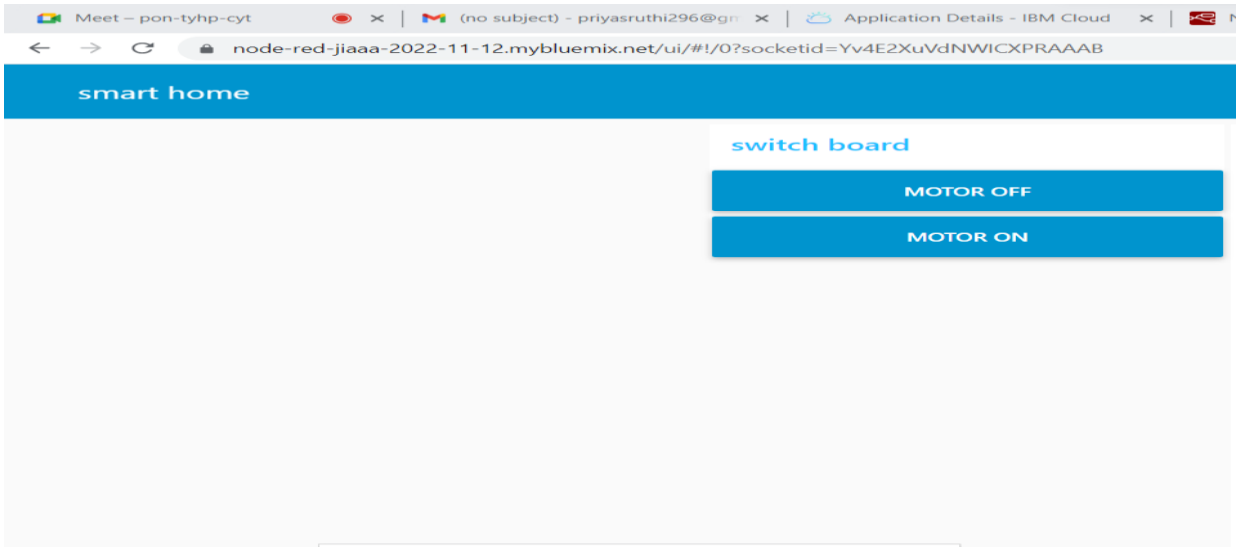





Node-RED
node-red-jiaaa-2022-11-12.mybluemix.net/red/#flow/576c1ab4628e775d
Deploy
Flow 1
Flow 2
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
range
motor on
motor off
IBM IoT
connected
msg.payload
dashboard
Layout
Site
Theme
Tabs & Links
smart home
switch board
garden
MONITERING PARAMETERS
meet.google.com is sharing your screen.
Stop sharing
Hide
25°C
Mostly clear
ENG
IN
00:39
19-11-2022


Not secure | ai2.appinventor.mit.edu/#6529072222830592
MIT APP INVENTOR
Projects
Connect
Build
Settings
Help
My Projects
View Trash
Guide
Report an Issue
English
priyasruthi296@gmail.com
Screen4
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Viewer
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen4
VerticalArrangement1
Label1
Label2
Rename
Delete
Media
when Clock1 .Timer
do set Web1 . Url to https://node-red-jiaaa-2022-11-12.mybluemix.net/...
call Web1 .Get
when Web1 .GotText
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 Label5 . Text to look up in pairs key hum
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound not found
set Label7 . Text to look up in pairs key randomNumber
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound not found
Show Warnings
29°C
Haze
ENG
IN
13:10
19-11-2022

OUTPUT:



If the button switch is clicked, motor on and off will be indicated in the python shell prompt.