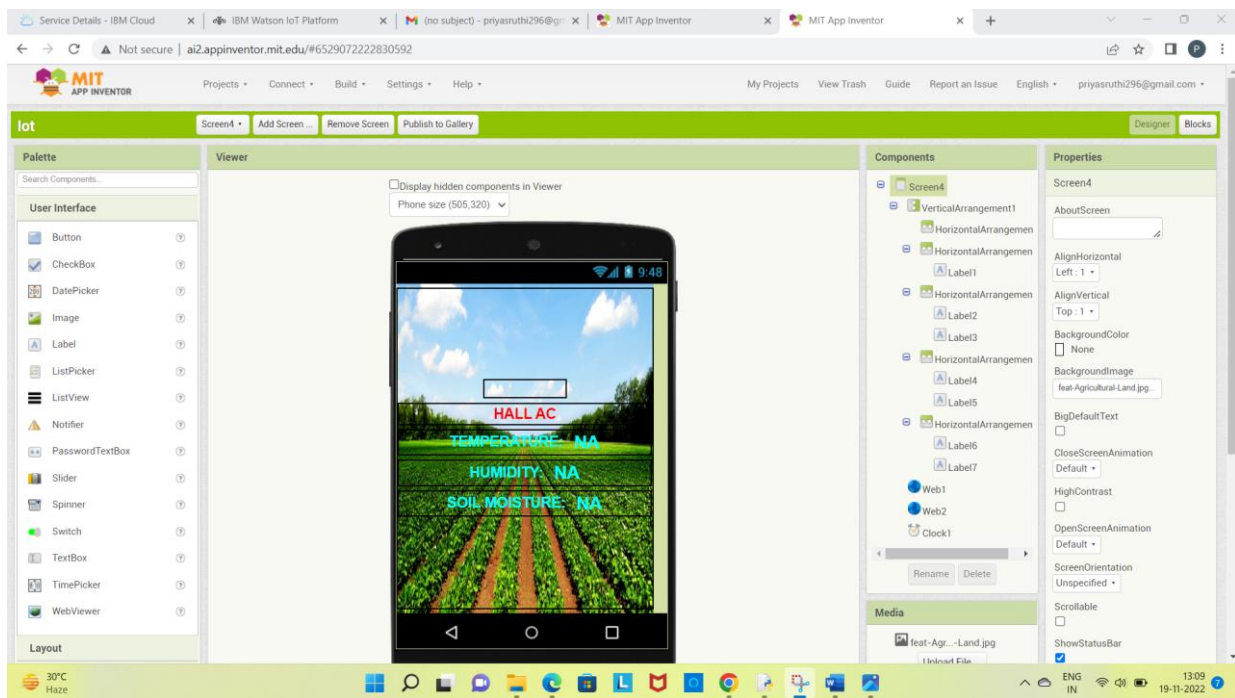


# SPRINT-4

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

Service Details - IBM Cloud x IBM Watson IoT Platform x (no subject) - priyasruthi296@gmail.com x MIT App Inventor x MIT App Inventor x

ony9vy.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

priyasruthi296@gmail.com ID: ony9vy

Browse Action Device Types Interfaces

Add Device

ony9vy shows a summary of all devices that have been added. It can be filtered by category, time, location or using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
1206	Connected	Rasperi	Device	Nov 12, 2022 2:18 PM	

Identity Device Information Recent Events State Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
Alert1	{"alert1":"Temperature(76.74) is high, sprinkler..."}	json	a few seconds ago
Water sensor	{"Water Level":20.81}	json	a few seconds ago
Moisture sen...	{"Moisture Level":7.79}	json	a few seconds ago
Flame sensor	{"Flame":"Not Detected"}	json	a few seconds ago

29°C Haze

Node-RED

Flow 1

debug

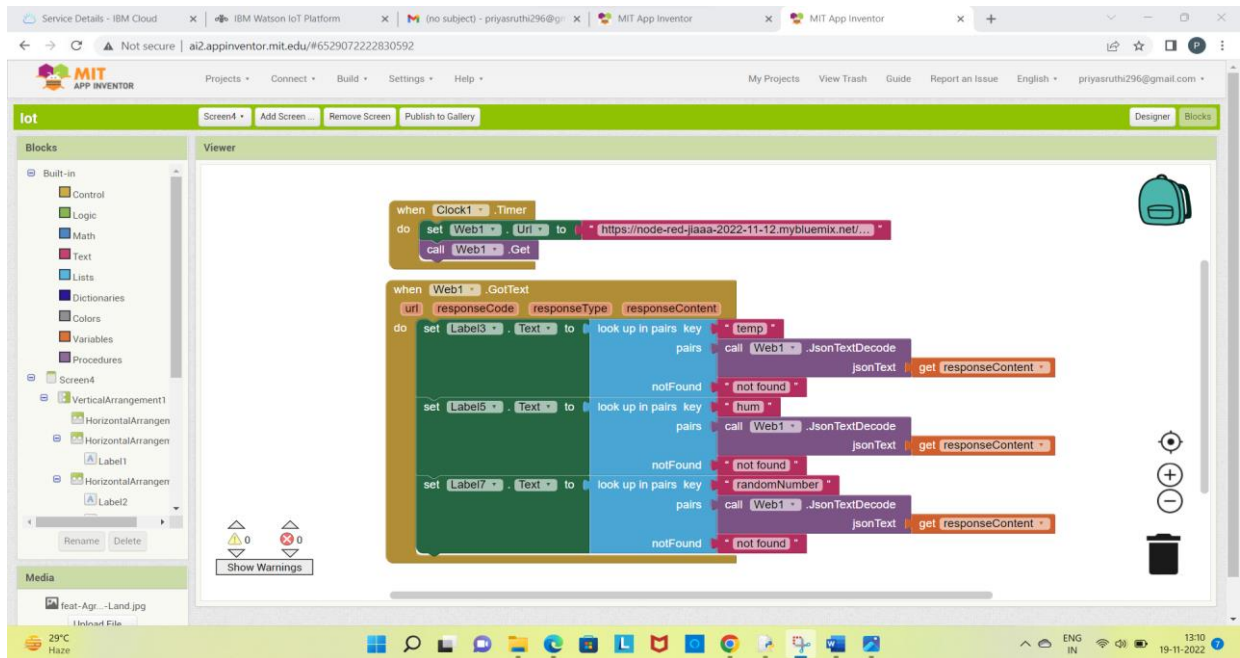
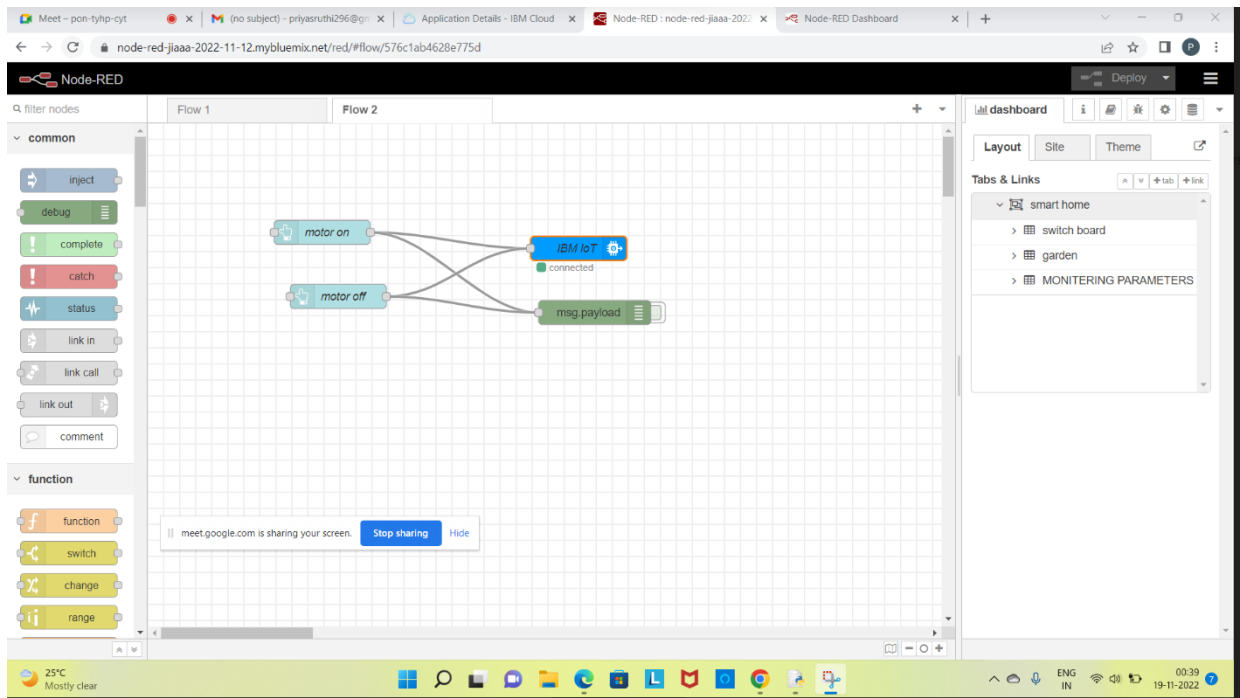
11/13/2022, 10:36:25 AM node: c2f2649a-0d0d96  
 iot-2/type/RasperiId/1206/ev/evnt\_1/fmt/json :  
 msg.payload : number  
 36

11/13/2022, 10:36:25 AM node: c2f2649a-0d0d96  
 iot-2/type/RasperiId/1206/ev/evnt\_1/fmt/json :  
 msg.payload : number  
 92

11/13/2022, 10:37:25 AM node: c2f2649a-0d0d96  
 iot-2/type/RasperiId/1206/ev/evnt\_1/fmt/json :  
 msg.payload : Object  
 { randomNumber: 51, temp: 32, hum: 97 }

11/13/2022, 10:37:25 AM node: c2f2649a-0d0d96  
 iot-2/type/RasperiId/1206/ev/evnt\_1/fmt/json :  
 msg.payload : number  
 32

11/13/2022, 10:37:25 AM node: c2f2649a-0d0d96  
 iot-2/type/RasperiId/1206/ev/evnt\_1/fmt/json :  
 msg.payload : number  
 97



## OUTPUT:



smart home

switch board

MOTOR OFF

MOTOR ON