GreenCore
The Smart Gardner

User Manuals
Group Number - 27

Table of content

Mobile Application Manual
User signup

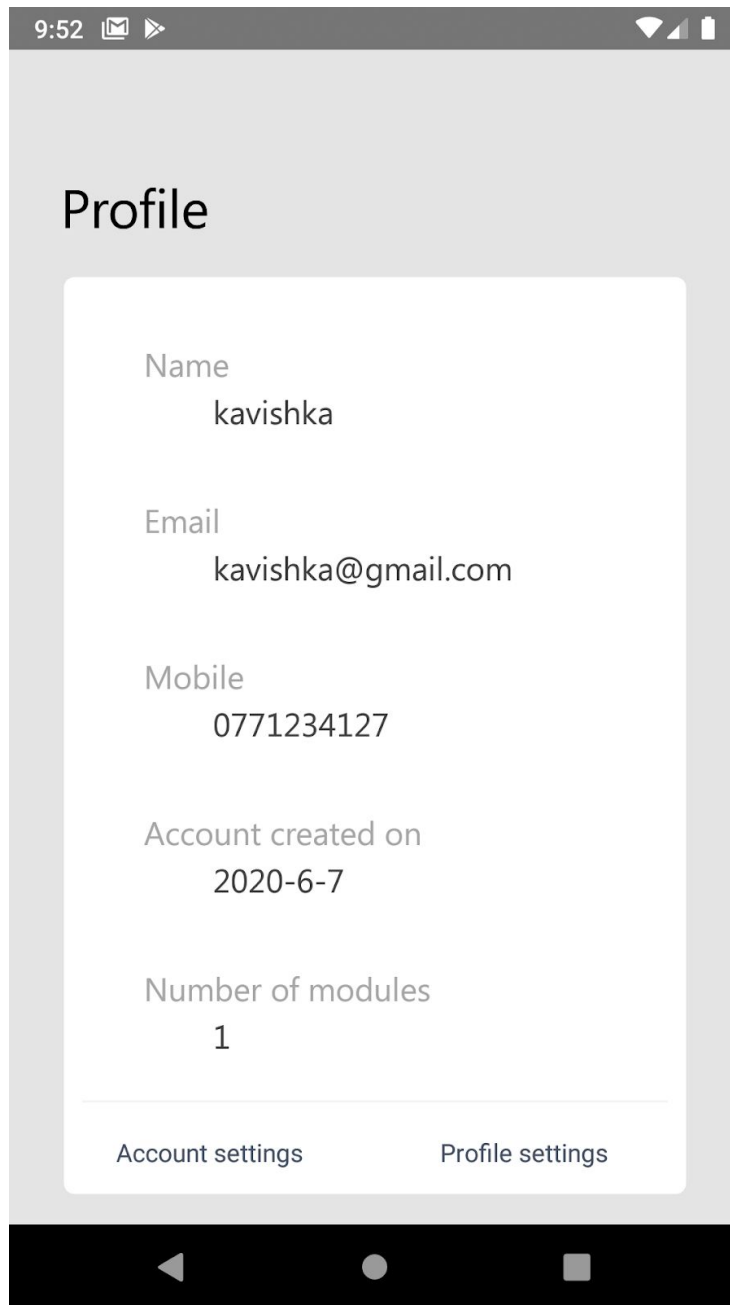

Users can sign up to this app by providing necessary information here. If you are already signed up then you can navigate to the login page.

Users who are already signed up , can login to the account using this . If you are not signed up you can navigate to the signup page by clicking appropriate text .

9:52

Profile

Name
kavishka

Email
kavishka@gmail.com

Mobile
0771234127

Account created on
2020-6-7

Number of modules
1

Account settings   Profile settings

You can see the information related to your account using this screen. There are two buttons at the bottom to navigate to account settings screen and profile settings screen

Chat
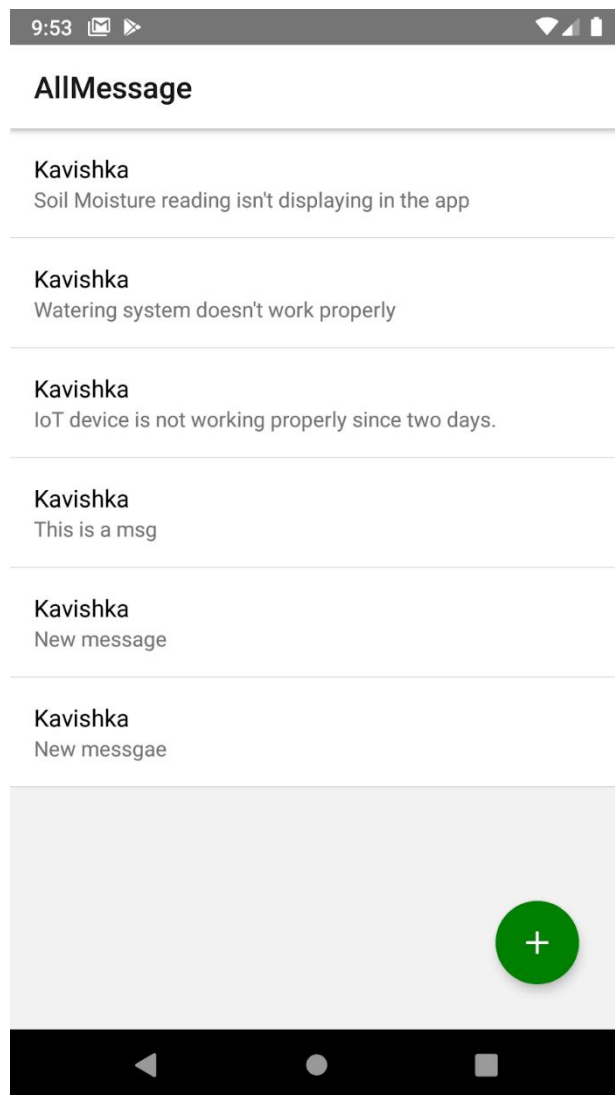
This screen shows all the recent chats of the user

Profile settings

Using this screen users can change their username and mobile number

Account settings

Using this screen users can change their password by providing older password
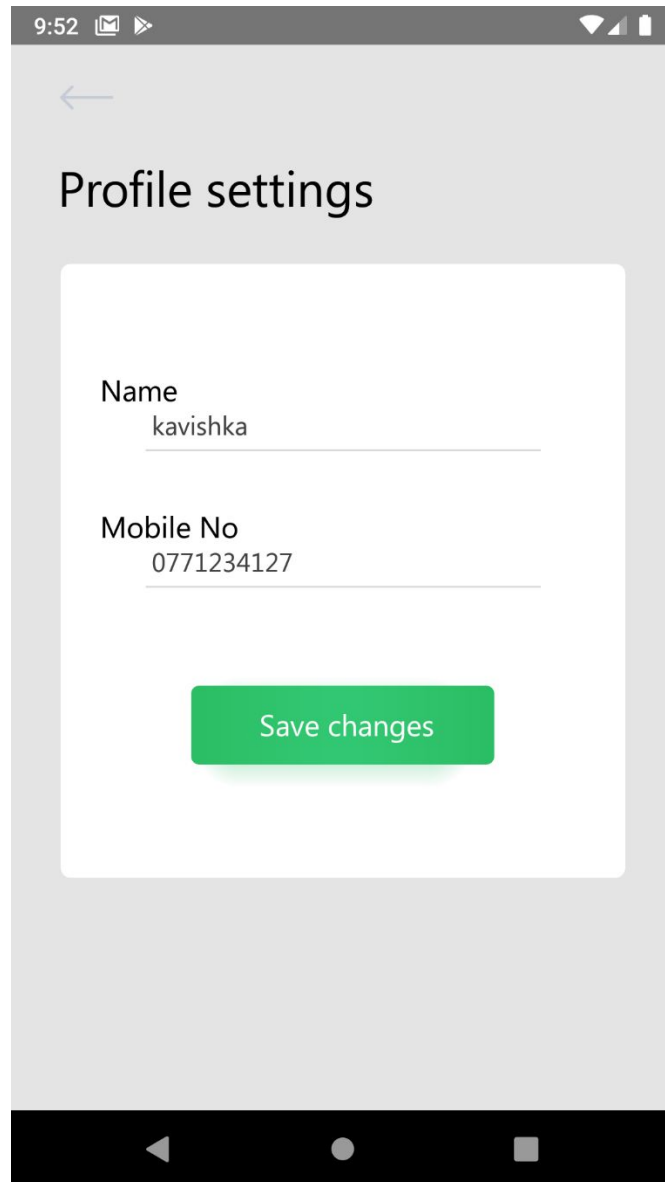
Link units

This screen helps users to add new IoT device to the account. Users should add the purchased device to the account to monitor and control them.

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Linked units

Test Name
5f0058b9dc4b1616a88bcafa

Device name   Test Name

Plant type   Test Type

Location   Nugegoda

Unit condition

Soil temperature : 46 °C
Soil moisture : 14.00 %
Light intensity level : 11lux
Relative humidity: 28 %

Details   Actions

Test Name
5f096bb0b0a0bf31b004ed67

Device name   Test Name
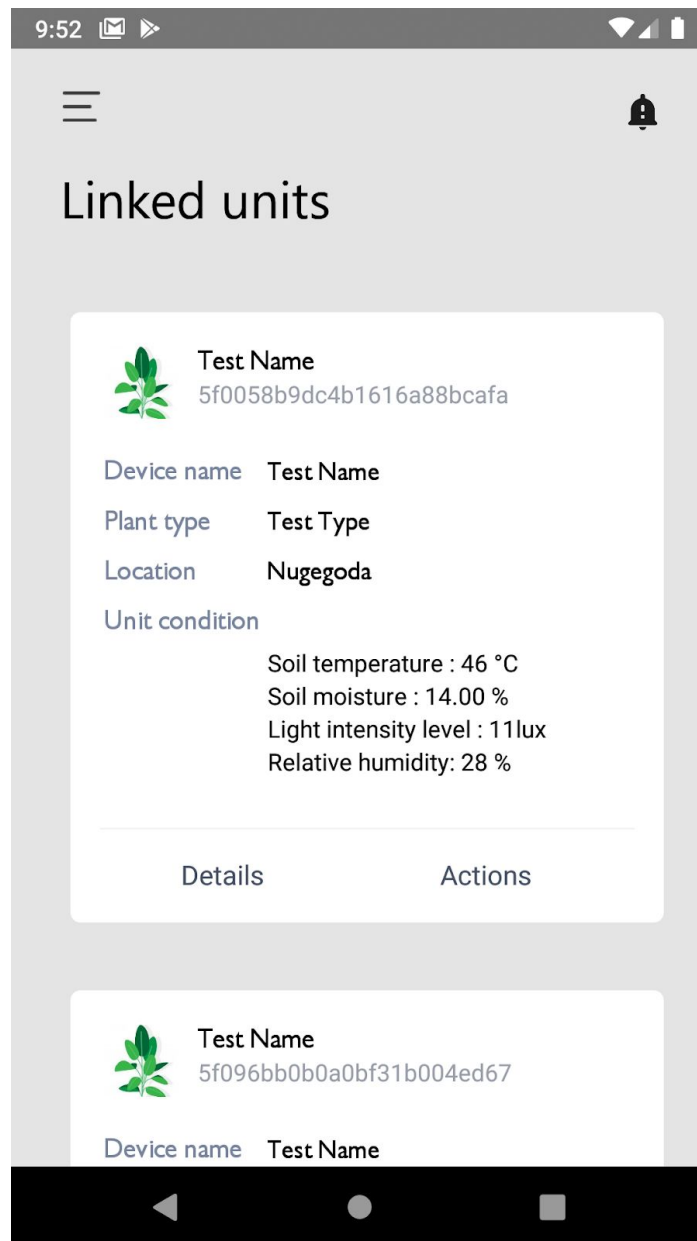
This screen shows all the IoT devices connected to the users account . Each of these cards shows details related to one IoT device. Each card has Details button and Actions button at the bottom. Actions button navigates into the control actuators screen and details button navigates to the view more details screen related to the IoT device.
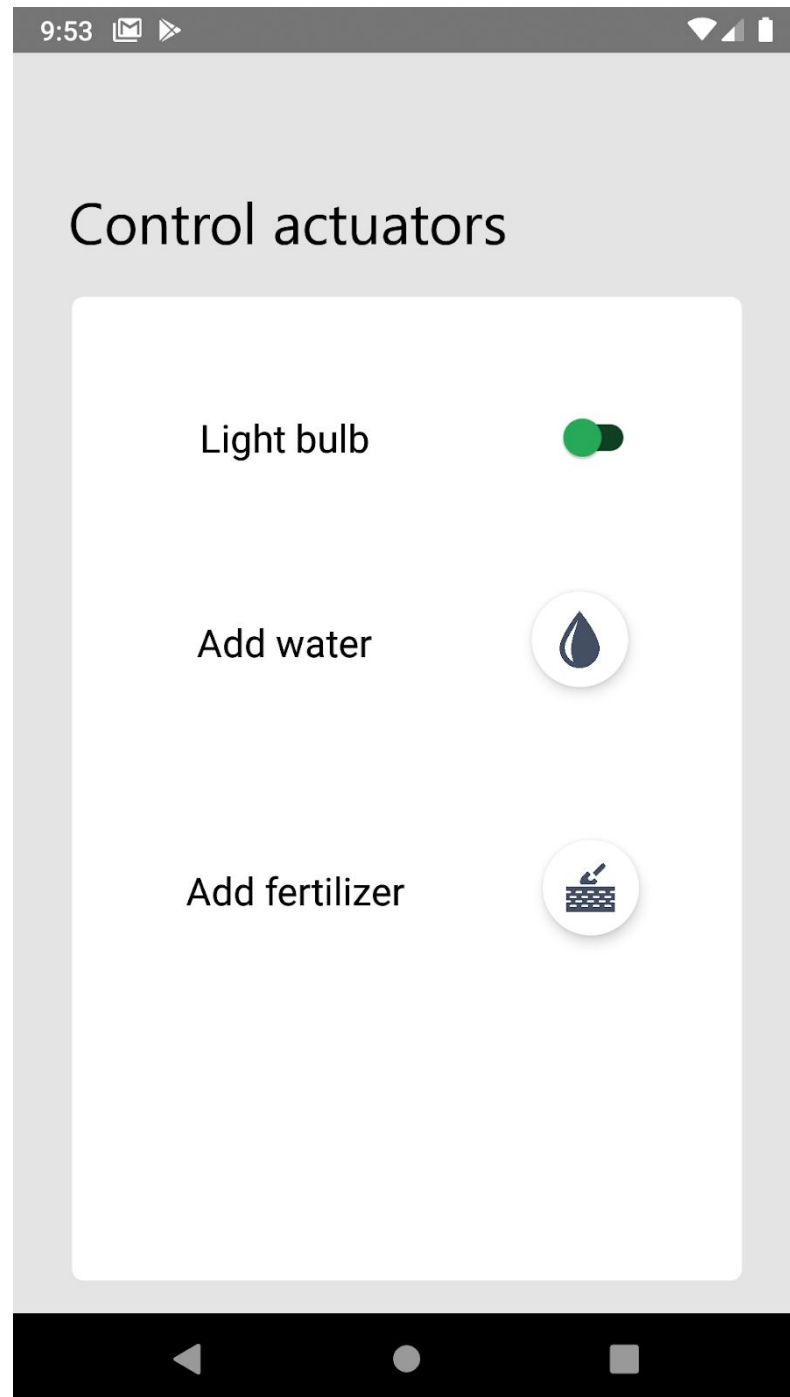
This screens allows users to control actuators which are connected with the plant

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←

plant details

Soil Moisture
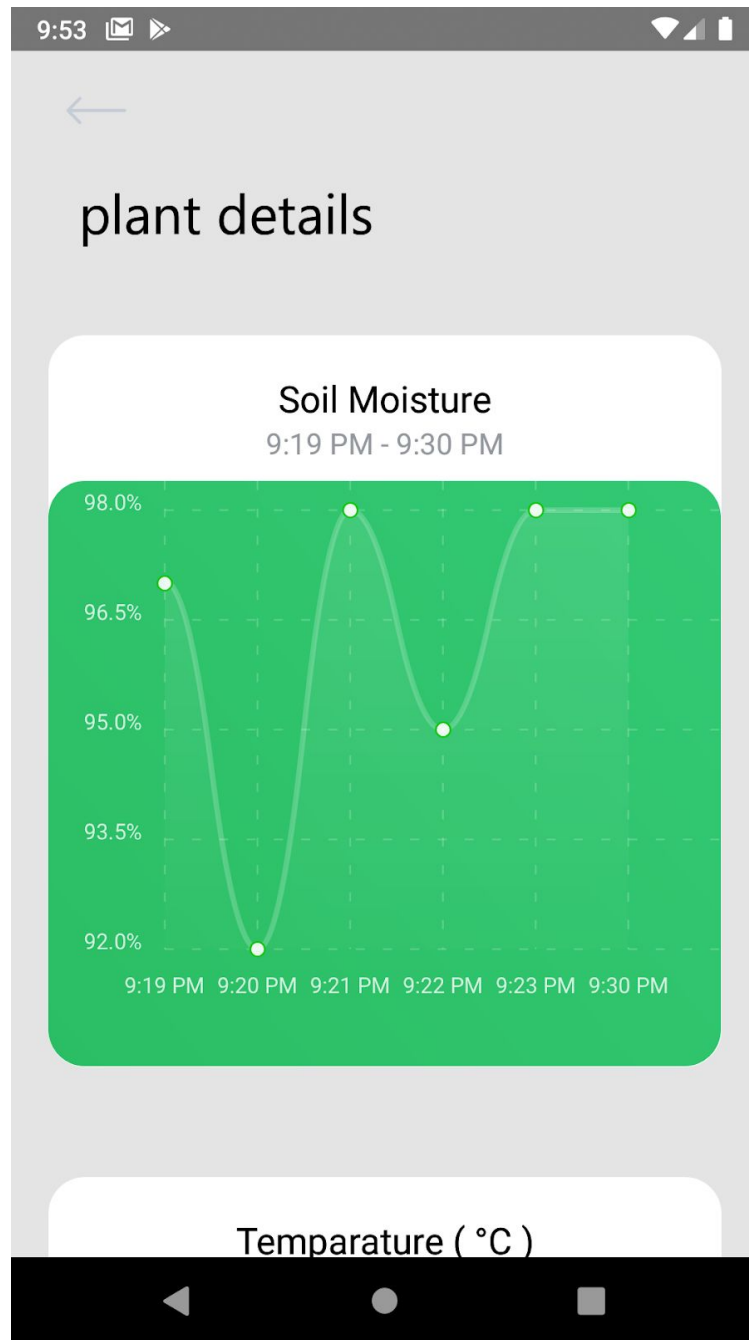9:19 PM - 9:30 PM

98.0%

96.5%

95.0%

93.5%

92.0%

9:19 PM 9:20 PM 9:21 PM 9:22 PM 9:23 PM 9:30 PM

Temparature (°C)
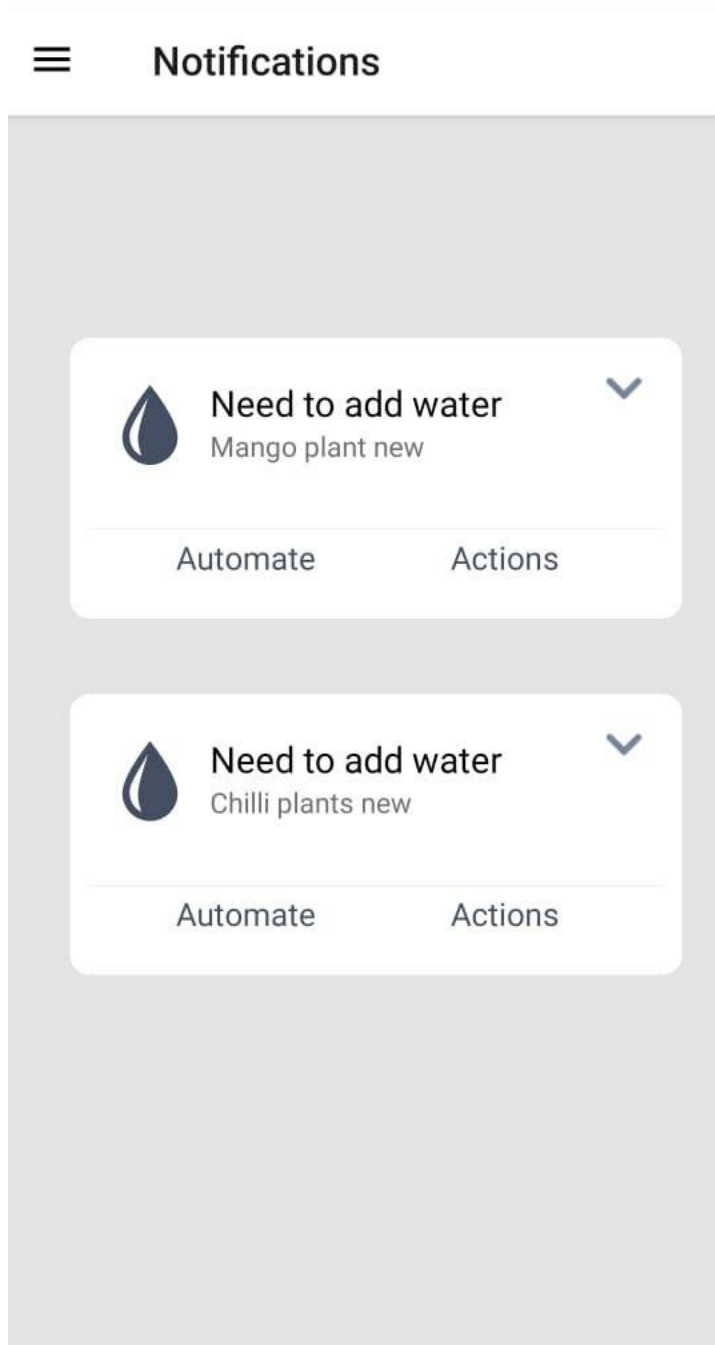
This screens shows some additional details related to the IoT device
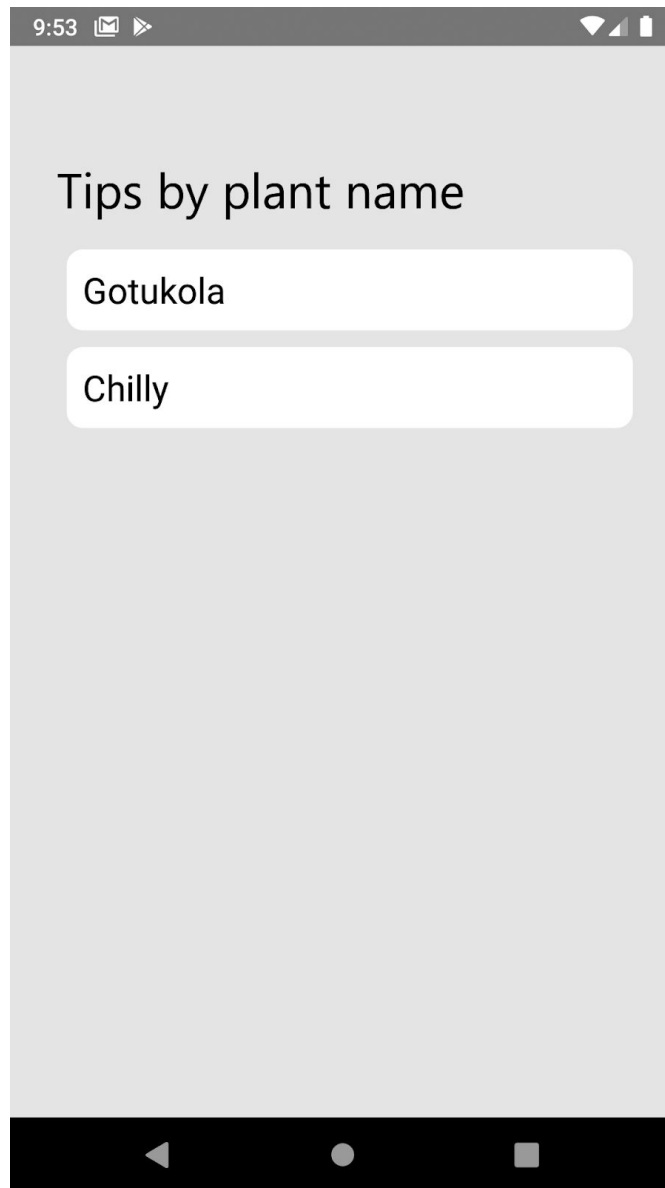
This screen shows all the plant types connected to the units already linked . By clicking on them you view tips related to those specific plant.
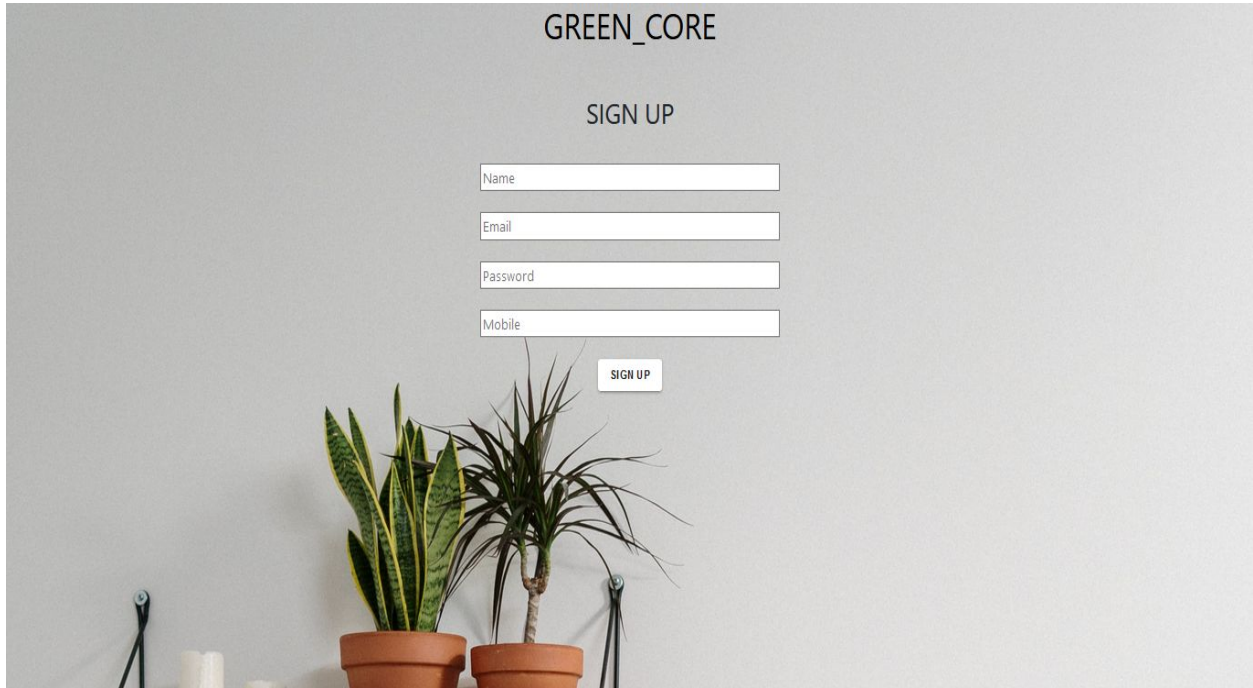
This screen shows notifications related to all the units owned by the user. User can automate the notification related actuator to prevent future notifications or Control the actuator manually by clicking Actions button
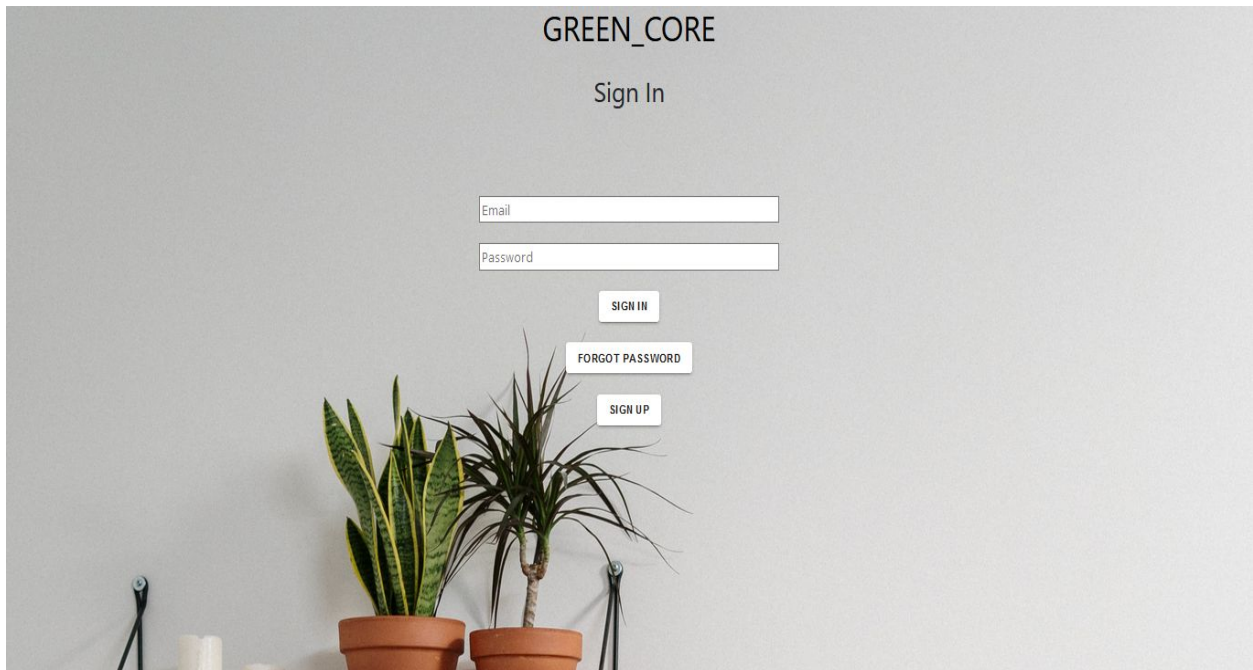
Web Application Manual

1. User sign up

New Administrators can register to the Green-Core Web Application using this screen. An administrator can register to the system by giving valid email, name, password and mobile number.
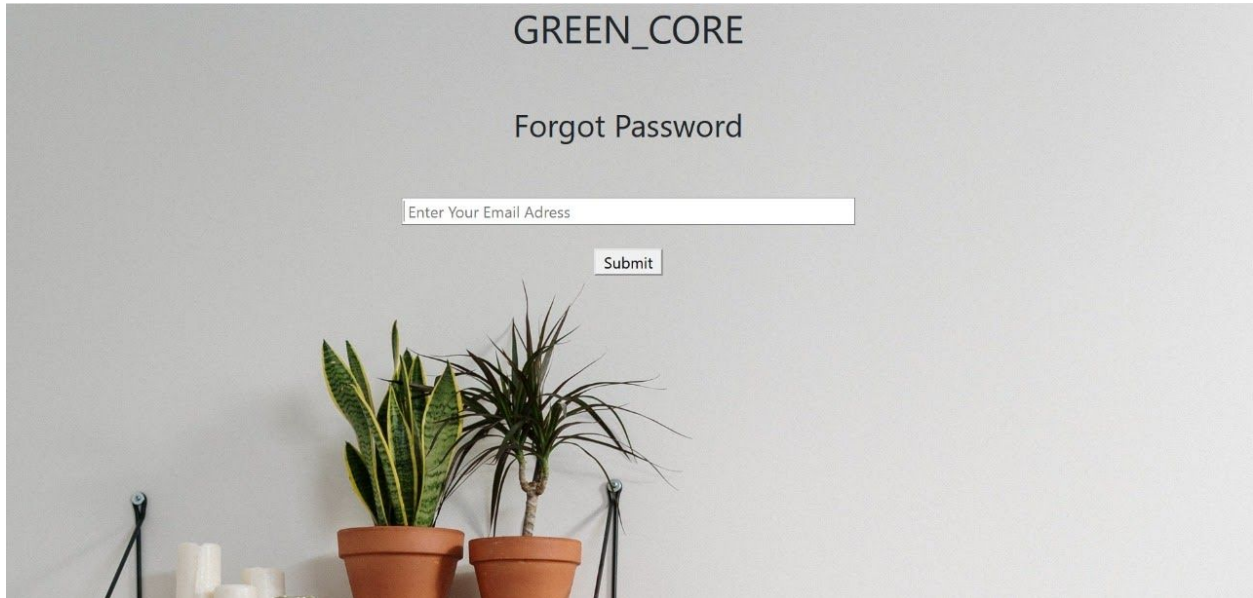
2. User Sign In

Already existing administrators and newly registered administrators can log in to Green-core web application by entering correct email and password
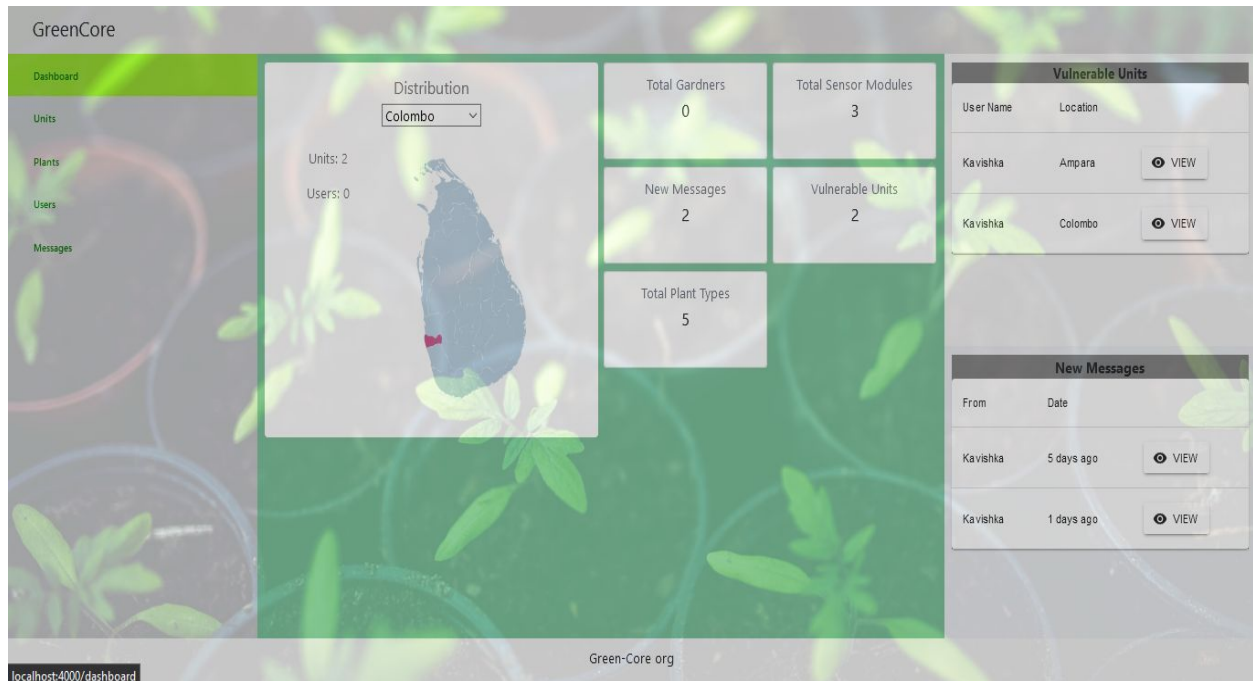
3. Forgot Password

In case the user (administrator) forgot password, user can reset password by providing valid email address used by user. Email with verification token will be sent to the user's email account user can reset password with provided token.

4. Dashboard

Users will be directed to the dashboard screen after successful sign in.

Users can see the districts wise IoT sensor Unit's location in the shown Sri Lanka Map. Total number of Gardeners, Total number of Sensor modules, Number of new messages, Number of vulnerable units detected, Total number of plant tips available can also be viewed in the Dashboard screen.

On the left side of the screen, the user can see the navigation side menu. On the right side of screen user can see new messages that sent from mobile app users and vulnerable units detected by system

5. Messages

View All Messages

User can see all conversations had with Mobile App users and Admins.

New Messages

User can see all the new messages sent by Mobile App users
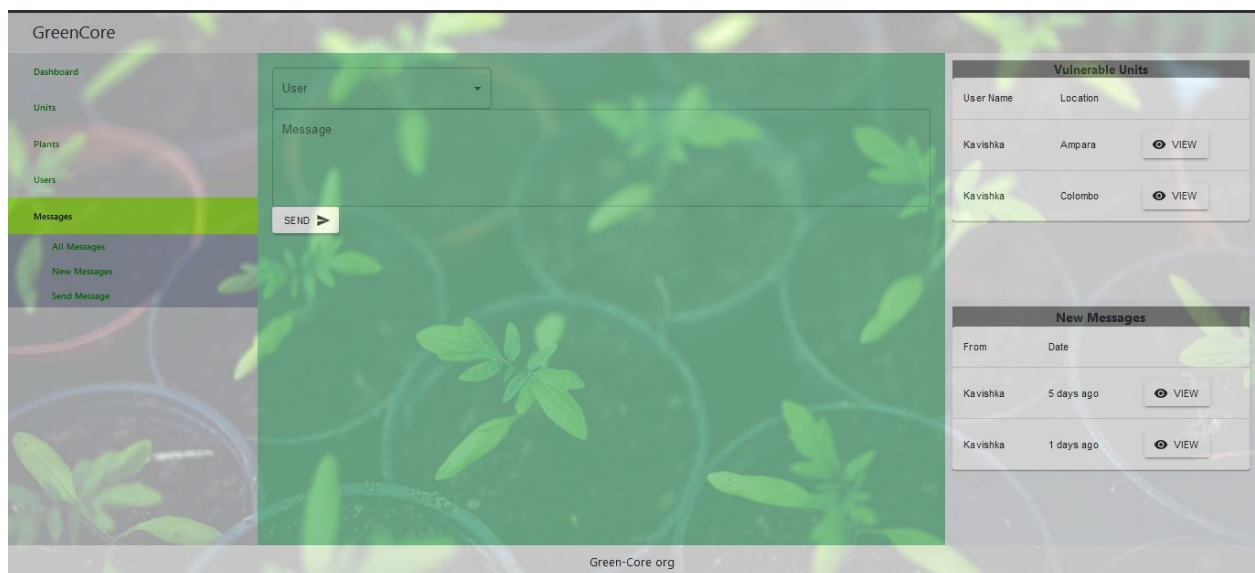
View Single Message
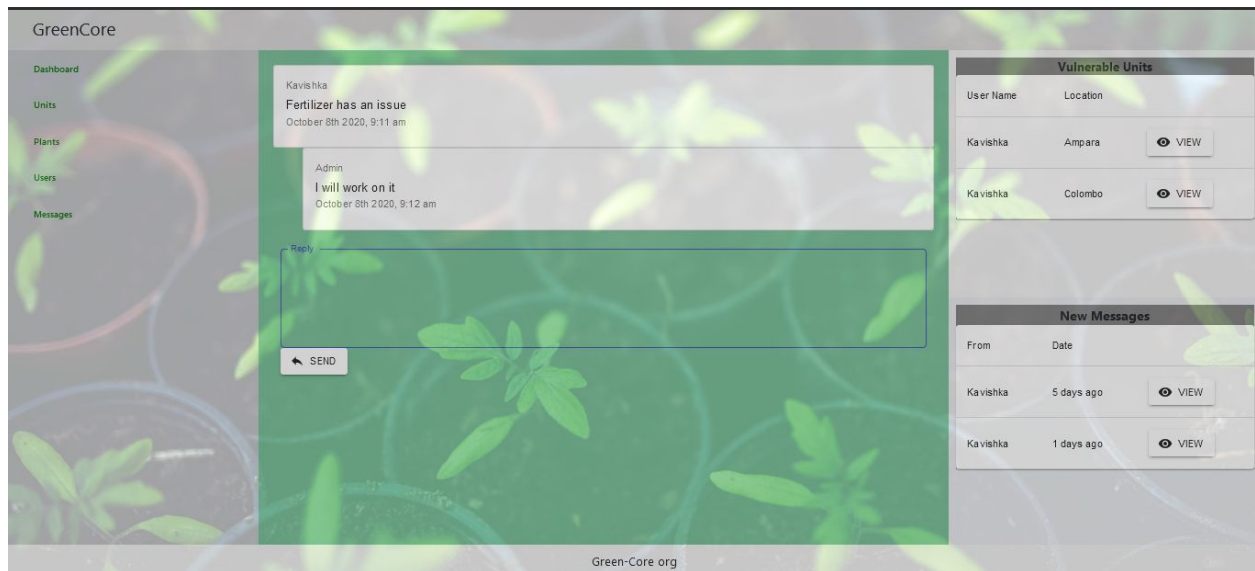
Single Conversation in detailed view

Send Messages

User can send messages to Mobile App users to help them with their issues.

6. Units

View all units

View All using sensor modules in Green-Core system

View single unit
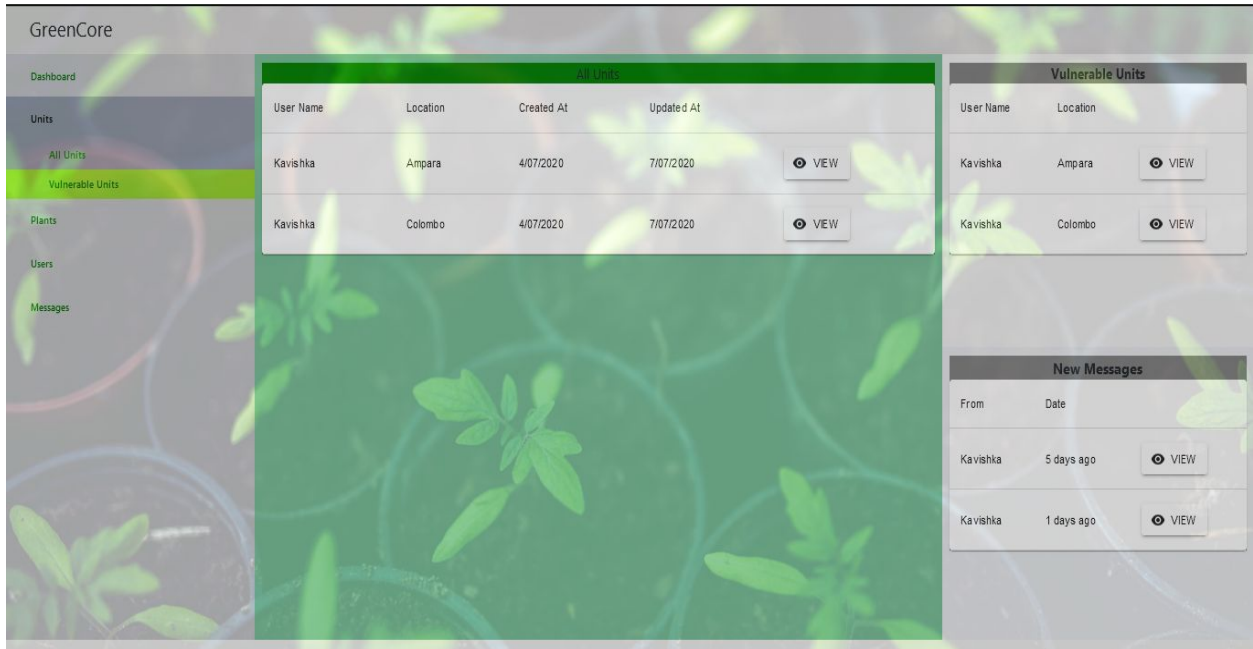
User can see more details about the sensor module 's performance by selecting the view button.

7. Vulnerable units

View All vulnerable units
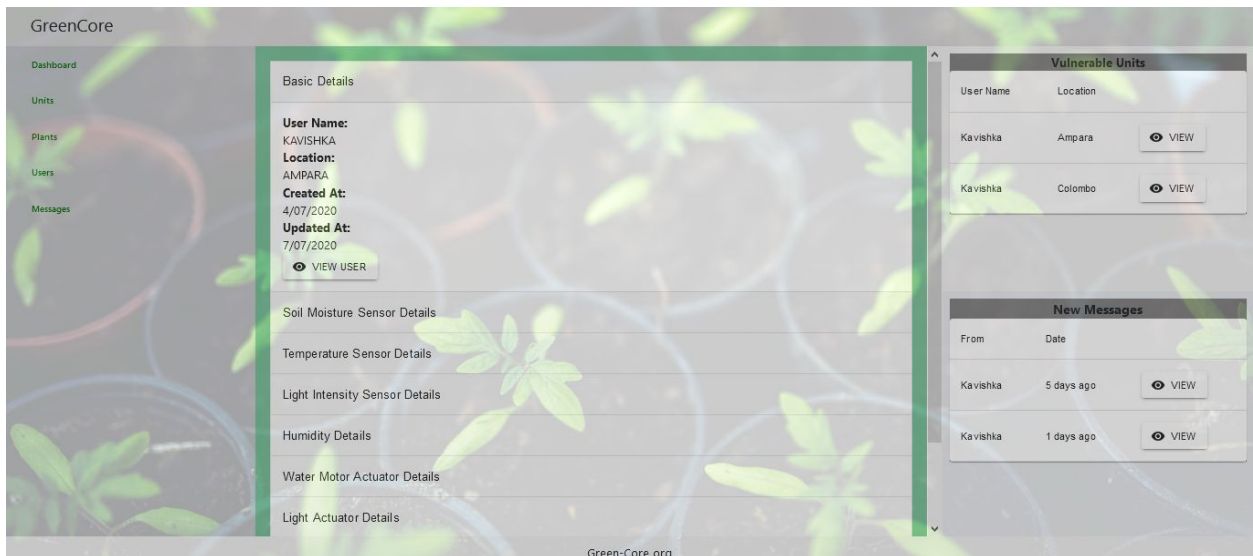

System will detect Sensor modules that not working properly and show up in this screen as vulnerable units.

View single vulnerable units

User can see the detailed view of vulnerable units and take necessary actions regarding it

8. Users

View All users

All the users in the Green-Core system.

View single user
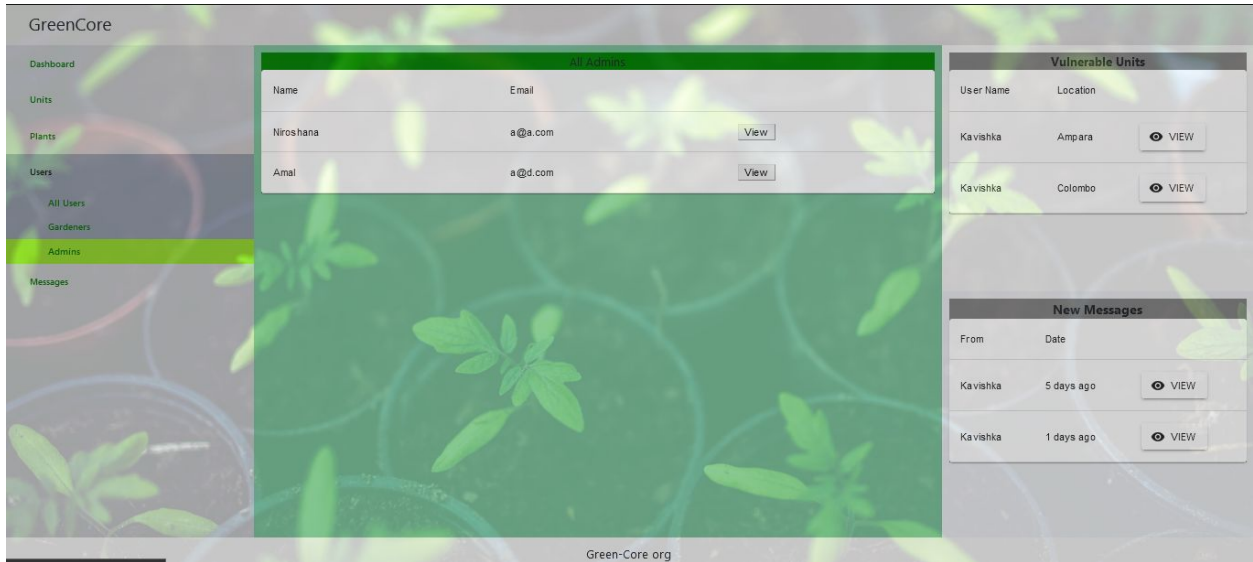
Profile view of User in Green-Core System

View Admins

User can see all administrators that have access to web application by selecting Admins submenu under Users in the sidebar navigation menu.

9. Plants

User can navigate to Plants Screen by clicking All plants menu in the sidebar. User will see the list of plants currently available in the system and number of tips,, number of users who have that plant type .
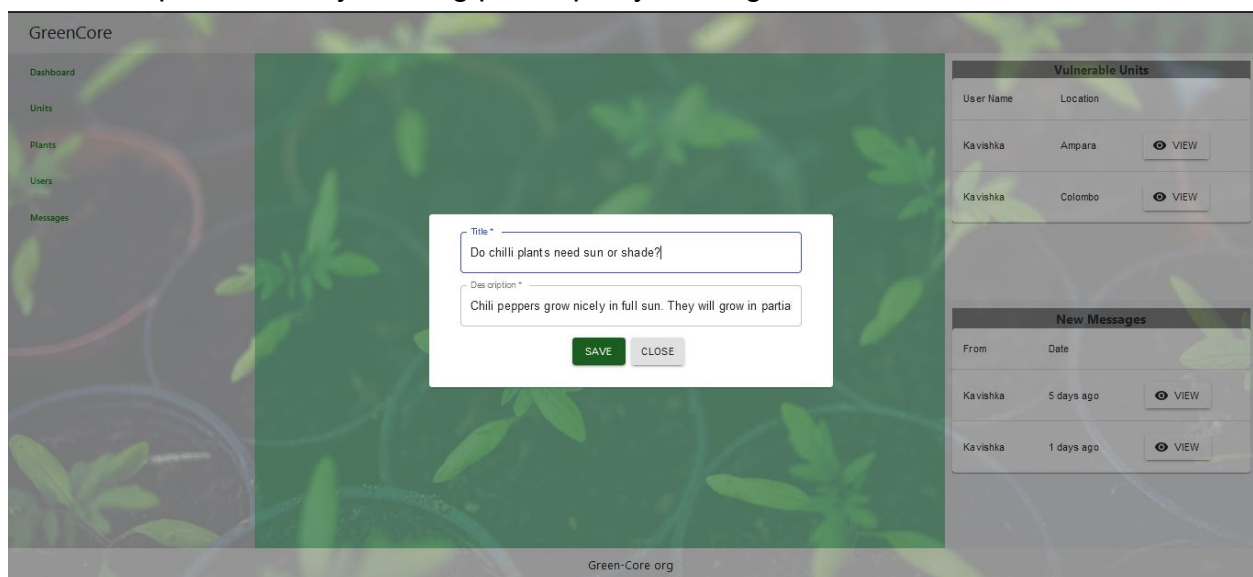
10. Plant Tips

View Plant tips
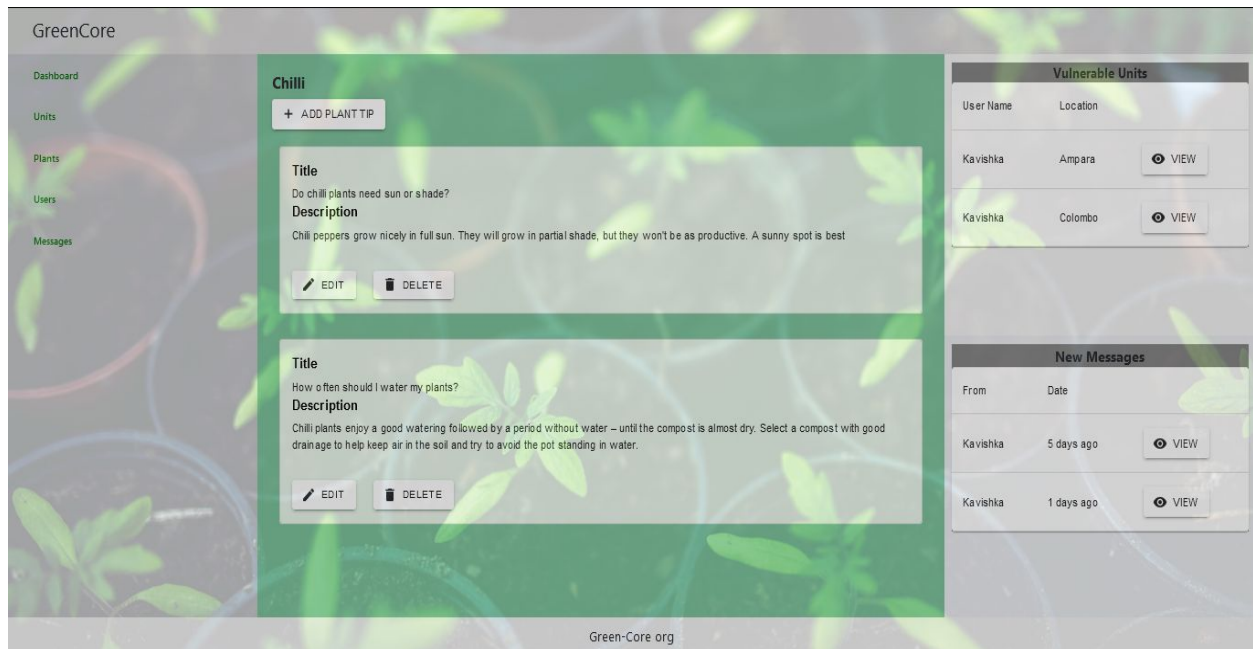
User can select plant type and click 'VIEW' to see all plant tips relevant to that plant type. User can see all the plant tips that mobile users can see using the mobile application.

Update plant tip
User can update already existing plant tips by clicking the 'UPDATE' button.

Add new plant tip

User can add new plant tips by clicking the 'ADD PLANT TIP' button. A prompt box will be prompt and add new plant tips to the system by giving a Tip topic and description.

Delete plant tip

User can select 'YES' to delete the plant tip. User can select 'NO' to stop deleting plant tip.(IN case of user select delete button by mistake.
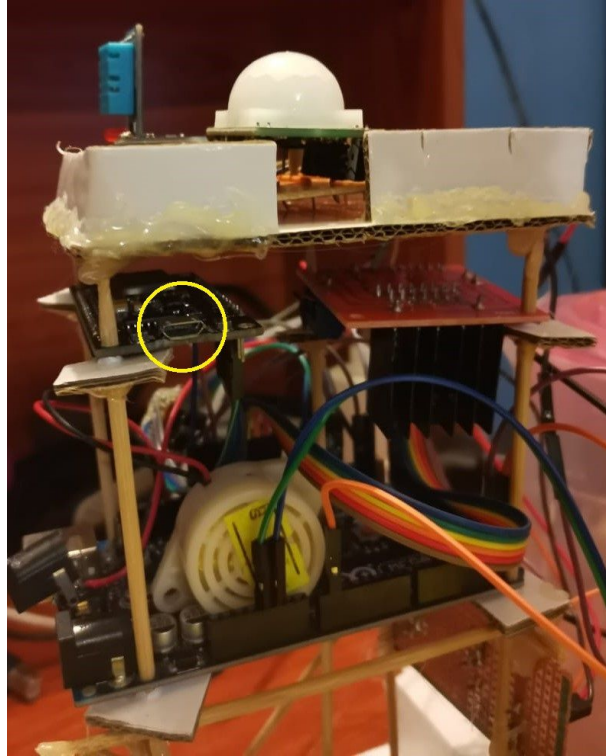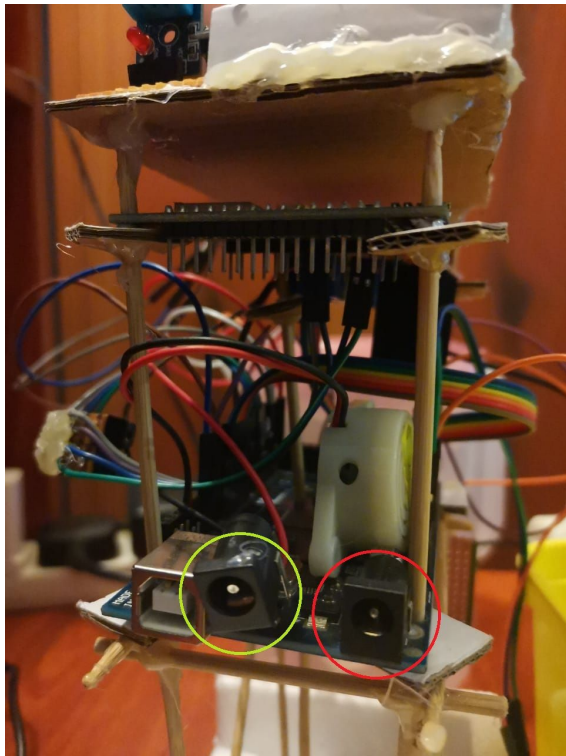
IoT device Manual

User Manual

Schematic Diagram
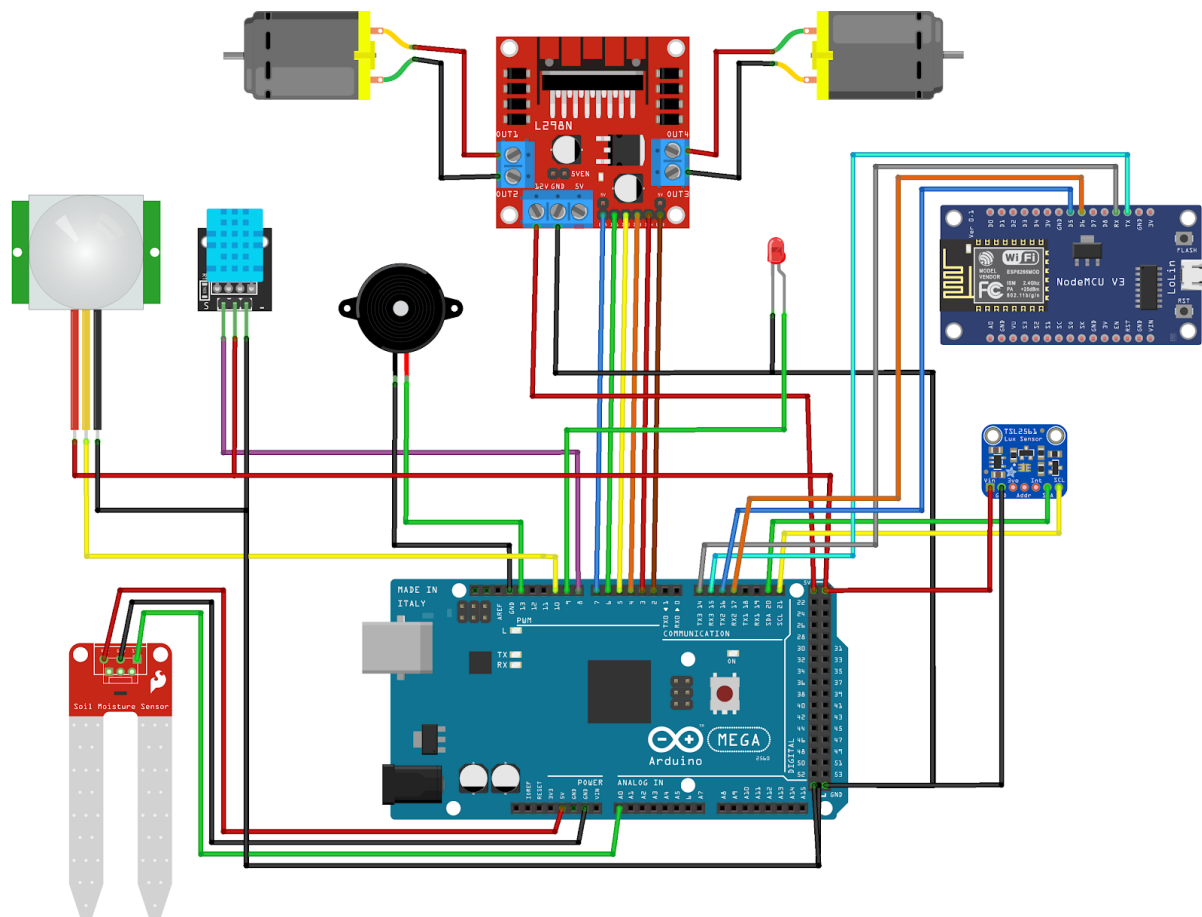
User will be provided with an IoT device which contains the following items,
- Device - 1
- 12v AC-DC Adapters - 2
- USB Type-A Connector - 1

Steps to connect the device

Step 1 - Connect one 12v AC-DC Adapter to the port circled in red in the first image

Step 2 - Connect the other 12v AC-DC Adapter to the port circled in green in the first image

Step 3 - Connect the USB Type-A Connector to the port circled in yellow in second image

Step 4 - Switch on the two adapters and the USB Connecter.

Step 5 - Complete the steps of the mobile app to connect the device to the mobile app.