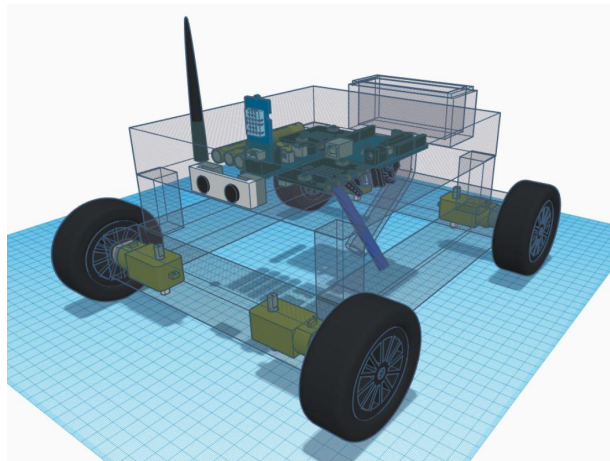


AgriBot

User Manual



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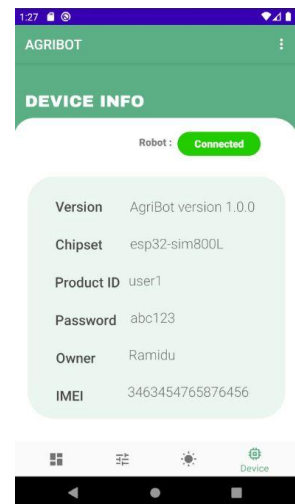
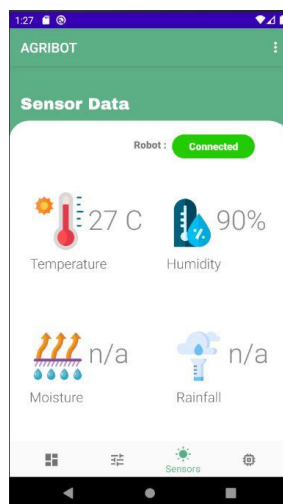
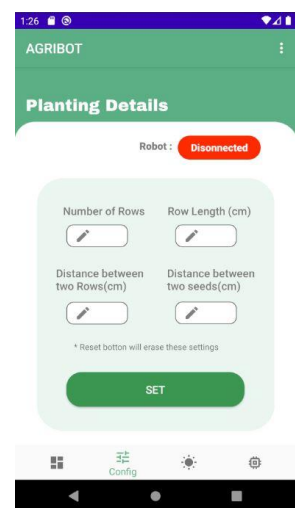
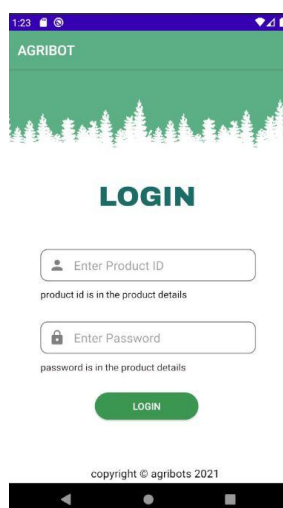
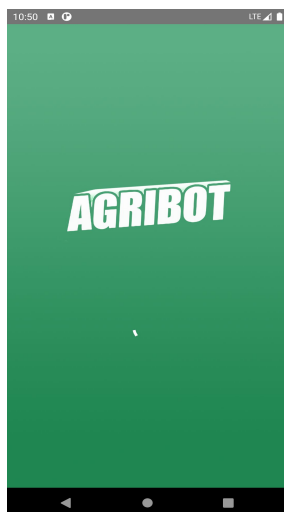
1.0 Mobile Application

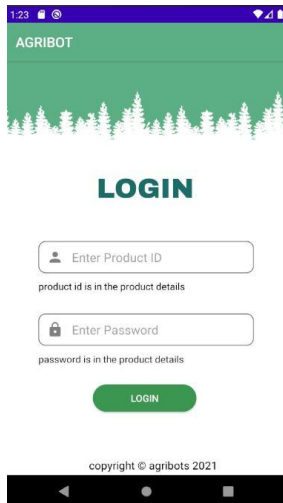
1.1 Overview

Main objectives of the mobile applications are,

1. Send critical commands to the Robot - Start/Stop/Reset/Pause
2. At the start setup the parameters - row length/no of rows/gap between rows/gap between seeds
3. Get the readings from the robot and display it to the user - Temperature/ Humidity

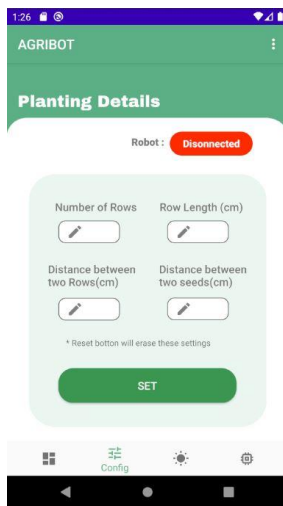
1.2 Mobile Application UI





User Login Page

- Enter the “Product ID”(which is provided by the company) and the “Password” of the AgriBot account to log into the mobile application .
 - Product ID and Password can be obtained when a user buys the Agribot Product.
 - If a user needs to change the password it can be changed later.
- After you press the login button Details will check with the database and if it is correct, you will directed to the application.



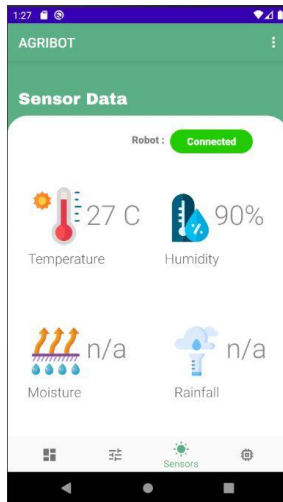
User Input Panel

- Using this panel, users can input the necessary details for the planting seeds which are used to determine the number of seeds that have to be planted.
 - Number of Rows (min:1, max: 1000)
 - Length of a Row (min:10m, max:100)
 - Distance between two Rows (min:10cm, max:1000 cm)
 - Distance between two seeds (min: 5cm, max: 100cm)
- As we mention there are limitations to these parameters, after you set those robot will all ready to start the process



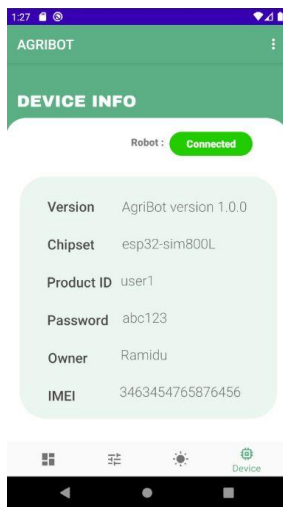
Control Panel

- The Control Panel is used to give critical commands to the Robot.
 - **START** - Start the robot after setting parameters, first user have to setup parameters, if not this won't work
 - **STOP** - Stop the process of the robot
 - **RESET** - Reset the parameters of the robot, if we press this user have to setup parameters again
 - **PAUSE** - This is the emergency stop for the robot
 - There is an indicator to show the user whether the robot is connected not with the mobile application.



Sensor Details Panel

- This is the window in which Temperature, Humidity & Moisture details are displayed to the user which is obtained by the sensors attached to the robot.



Device Details

- Users can check the device details of the AgriBot using this menu.
 - Device Version
 - Chipset
 - Product ID
 - Password
 - Owner
 - IMEI number

1.3 Configuration of the Mobile Application

- Download the mobile application from the Play Store. (ISO application also will be available soon) and Install it on the mobile.
- Open the app and log in to the user account using the given Username and the Password.
- Using the “User Input Panel” user should input the necessary details of the seeds which they expect to be planted.

Eg: Number of Rows which should be planted.

Length of a Row

Distance between two rows and two seeds

- After setting the parameters, the user can control the seeding process using the “Control Panel” page.
- To check the sensor readings user have to use the “Sensor Detail Panel” page of the application. In that page all the sensor readings(Temperature, Humidity and Moisture) will be displayed. Those details will update periodically.

2.0 Robot

2.1 Overview

Main objectives of the Robot are to plant seeds and send sensor readings (Temperature/ Humidity) to the user.

2.2 Configuration of the Robot

2.2.1 Power

- Connect the Robot with the provided power cable and charge the robot until battery percentage become 100%. (It takes around 1 hour to be fully charged)
- DO NOT use any other chargers than original charger. It may harm your battery as well as the device.
- The device requires to be powered using a 5v 2A (minimum) power supply.
- You can work up to 6 hours with fully charged battery.

2.2.2 Network

- A sim card is already integrated with the Robot. (You have to get registered it your name from our shop when you buy the product)
- You have to recharge 100 LKR per month to that sim card. (Please contact our agents for more details or the use the hotline)

2.2.3 Connectivity

- After downloading the mobile application all make sure to “Data On” when control the robot.
- Make sure to set the parameters before start the robot using mobile application.

2.2.4 Seeding

- After robot is fully charged. Place the robot in the field you want to be seeded.
- ON the switch integrated with robot to make the robot available online. Robot will connect automatically with mobile application. Indicator of the mobile app shows whether robot connect or not with the mobile application.
- Set the parameters using mobile application and start the robot.
- For any EMERGENCY press the “Pause” button of the mobile application or the “Emergency Stop” button of the robot.

