# AGRISENSE

AgriSense
Empowering farmers

**AGRICULTURAL INFORMATION SYSTEM**

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# 1.Introduction

## 1.1What is AgriSense?

For farmers and other agricultural industry participants, an agricultural information system is crucial because it offers timely and accurate information, enhances crop management, provides market intelligence, reduces risks, promotes knowledge sharing, supports sustainable practices, and helps with policy formulation. The AgriSense is developed for such situations to use.

AgriSense is a user-friendly agriculture information system that supports to farmers and agricultural researchers to explore agricultural information and suppose decisions effectively. AgriSense is designed as a comprehensive solution to empower players in the agriculture sector considering the quick development of technology and the rising need for effective agricultural practices.

AgriSense acts as a centralized platform that collects a variety of agricultural data, tools, and services, giving users essential knowledge and resources to improve their farming methods and make educated decisions. AgriSense seeks to improve resource use, expedite agricultural operations, and promote sustainable farming practices.

AgriSense utilizes data analytics to give farmers up-to-the-minute details on weather, soil quality, crop development etc. Users may receive useful insights into their agricultural operations through interactive visualizations and customizable user experience, empowering them to take data-driven choices and increase crop yields.

### 1.2. Key Features and Functionalities:

As an agricultural information system, AgriSense is included with many valuable features and functionalities.

- Weather forecasting:

AgriSense offers precise and current weather predictions that are customized exclusively for agricultural purposes. To make educated judgments about crop management, irrigation scheduling, and pest control, farmers may obtain extensive meteorological information, including temperature, precipitation, wind speed, and humidity.

- Soil moisture monitoring:

AgriSense has sensors and monitoring capabilities for measuring soil moisture. Farmers may improve irrigation techniques and reduce water waste by receiving real-time data on soil moisture levels. This element encourages water conservation and guarantees effective water use in agricultural activities.

- Water percentage analysis:

AgriSense provides charts and graphs for water percentage analysis to determine the amount of moisture in the soil. Farmers may estimate the ideal irrigation requirements for their crops and prevent both overwatering and underwatering by correctly monitoring the water percentage. This improves crop health and yield.

- Customer-Seller Identification:

Within the agricultural sector, AgriSense helps link buyers and sellers. Farmers may find potential consumers for their goods or trustworthy suppliers for essential supplies like seeds, fertilizer, and machinery through a user-friendly interface. This function encourages effective trade and improves farmers' access to markets.

- Community platform:

AgriSense comes with a community platform that encourages cooperation and knowledge exchange between farmers, agronomists, and researchers. Users can participate in discussion boards, exchange useful knowledge and experiences, share best practices, and ask questions. This feature promotes social interaction and gives users the opportunity to benefit from one another's knowledge.

- FAQ section:

AgriSense has a thorough FAQ section that responds to frequently asked questions and issues about agricultural methods, technology use, and system functionality. Users may quickly locate information in the FAQ area, solving their problems without the need for further assistance.

- Contact Us:

AgriSense has a dedicated "Contact Us" function that enables users to quickly get in touch with the support staff for help or further details. Users may except a timely response to their questions, suggestions, or technical problems, delivering a great user experience and solve their problems.

- Latest Agricultural news:

AgriSense has a function that gives users access to the most recent news and information from the agriculture industry. Users get access to tailored news contents, keeping them up to date on the newest trends, technological advancements, and legislative developments in the agriculture sector. Users who utilize this tool may make educated judgments and adjust their agricultural operations since it keeps them up to speed with pertinent information.

By emphasizing these crucial aspects and capabilities in our system, it highlights AgriSense's comprehensiveness and highlights how it meets the various requirements of farmers, agronomists, and agricultural researchers. In the end, these elements boost agricultural production and sustainability by encouraging data-driven decision-making, effective resource management, market accessibility, community involvement, and user support.

# 2.UI/UX Design

## 2.1. Process of Designing UI/UX

- Gathering user requirements

There were various steps involved in creating the user interface (UI) and user experience (UX) for the agriculture information system. First, our team created a questionnaire and conducted a google form to identify the requirements and needs of the target users, which comprised farmers, agronomists, and researchers in agriculture. We thought to include close - ended as well as open - ended questions as we can improve the user centered design more effectively. And we used real time observations by contacting a person related to the agricultural sector, to get more realistic and accurate information. To precis recurring characteristics and usability problems, we also examined current farm information systems. We were able to learn more about the topic and lay the groundwork for our design approach during this research phase.

Google Form:

https://docs.google.com/forms/d/e/1FAIpQLSfBSZTSsm-4kXnOWQc6izq4Pbh7yycWZFAu0QsRPIrIL91vRw/viewform?usp=sf_link

- Ideation with brainstorming sessions

We proceeded to the ideation and conceptualization step after the conducting questionnaire. We brainstormed and drew different interface designs while taking into account the objectives and unique features of the AgriSense information system. We conducted brainstorming sessions to generate more efficient design ideas. Additionally, we had internal deliberations and assessed many design concepts according to their viability and compatibility with user requirements.

- Wireframing

Next, in order to envision the design, organization, and user interactions of the interface, we produced wireframes and low-fidelity prototypes. We were able to improve the design and get early input from our team members by this procedure. Based on the comments we got, we modified and improved.

- Creating High-Fidelity Interface Designs

  Finally, we created high-fidelity interface designs that included the font, color scheme, iconography, and visual appeal. For the prototype implementation, we used **Figma**, the popular prototyping tool to produce an interactive, visually attractive final product. Our goal was to develop an intuitive and aesthetically pleasing user interface (UI) and user experience (UX) that would improve the usability and overall user experience of the agriculture information system.

  We chose an appropriate color palette and worked along with it.

## 2.2. Key Considerations in the Design:

We consider a number of important ideas and principles when building the UI/UX with Figma, for our Agriculture information system.

a) User-Centered Design:
We decided to use a user- centered design with the expectation of more valuable and effective information system. We gave the priority for target users' requirements, objectives, and preferences. We made sure that the interface design adheres to their mental models and expectations by using a user-centric approach.

b) Simplicity and Clarity:
As the AgriSense will be normally used by people above ages 35years, it should be easy to understand and use for them. To make it simple to navigate and comprehend the system, we strove for a clear and uncluttered design. To reduce cognitive burden and increase productivity, we made use of clear labeling, short and clear instructions, and understandable iconography.

c)Consistency:

Consistency in design elements, such as typography, color scheme, and iconography, throughout the interface enhances learnability and gives users a sense of familiarity. We were taken care of changing sizes, fonts, colors to use by including quite large font sizes as well as comfortable colors with highlighting special and important information using bordering, underlining etc.

d)Accessibility:

We adhered to accessibility guidelines to make sure that the interface is inclusive and usable by a wide range of users. This involved taking into account color contrast, providing alternative text for images, and making the interface compatible with different browsers.

### 2.3. Human Factor Justifications for Design Choices:

When consider human factors to design interface, design choices are vairy fields such as product design, user interface design, architecture, and human factor. The mostly consider field is human factor and it can be divided to subcategories like physical, cognitive, emotional capabilities. Those can be used to ensure user usability, safety, Accessibility, reduce cognitive load, emotional well-being, efficiency, and productivity.

- Clear and Simple Language:

By using language that is simple to grasp across the system, individuals with less education may readily understand the content. Technical and complicated language should be avoided to increase accessibility and decrease misunderstanding. As an example, the AgriSense convey weather conditions using common words like "rain" rather than technical ones like "precipitation." As a result, consumers with less education may readily interpret the content.

- Light themed color palette:

AgriSense has implemented a light color theme and a user-friendly font to cater to our predominantly middle-aged audience. The choice of soft colors creates a visually pleasing and easy-to-read environment, promoting clarity and reducing eye strain. Our carefully selected color palette evokes a sense of calmness and approachability. The clear and straightforward font enhances readability and ensures a smooth browsing experience. We prioritize creating a user-friendly interface that is accessible and enjoyable for middle-aged individuals.

- Intuitive and Familiar Interface:

An intuitive and recognizable interface is important since it makes users feel more at ease and confident when operating the system. A user experience that is intuitive is enhanced by having obvious navigation pathways, employing icons that are widely recognized, and rationally arranging the material. AgriSense adopt a design that is reminded of frequently visited websites, such as having a navigation bar at the top and a search bar that is prominently displayed. Users can feel at ease and operate the system with ease thanks to their familiarity with it.

- Clear Instructions and Visual Cues:

Using visual cues, such as icons and pictures, can help users comprehend the functions and operations of a system. Additionally, even with little formal knowledge, users may execute tsks successfully with the support of clear instructions and step-by-step supervision. In the AgriSense, picture of the sun and rainy cloud to represent the sunny or a rainy day.

- Readability and Accessibility:

Put a focus on legibility by choosing suitable font sizes, styles, and color contrasts that make text easier to read, especially for people with limited literacy or visual impairments. For consumers with weaker reading skills or visual impairments, AgriSense is designed with appropriate font sizes, and maintain adequate contrast between text and backdrop colors. Also, it allows customers to choose their chosen language for a more pleasant experience by providing language alternatives.

- Contextual Support and Help:

Offer contextual support tools to help users navigate the system's functionality. A dedicated support section or FAQ may answer frequently asked issues and offer help when required. Also, there is the “contact us” option to getting solutions for any issue that users have.

These human factors may be incorporated into the design of AgriSense to make it more effective for users in the agricultural industry. By enhancing usability and lowering adoption and access obstacles, this strategy eventually improves the user experience.

## 3.User-Centered Design Methodology

We used a user-centered design approach to achieve a more successful product at the end of the design process.

The user is at the core of product creation in the iterative design process known as "user-centered design." To design meaningful and efficient digital experiences, a thorough grasp of user wants, preferences, and objectives is required.

First, we planned to identify user requirements then understood their problems and worked on the design while solving those identified problems. To learn more about the preferences, requirements, and behaviors of the target audience, do in-depth user research with google forms, real-time observations etc.

As AgriSense will be mostly used by Agricultural people, we planned to design it as a web application because it can be accessed through a web browser using any device and regardless of the operating systems.

According to our research, middle-aged people are mostly engaging with the agricultural sector. So, people above nearly 35years are going to use our system. Therefore, we decided to use light colors specially colors close to green that are easy with the eyes and feel familiar to agricultural people. Also, we changed the font sizes to quit large sizes for their easy.

Considering users with varying levels of educational background, we identify that the AgriSense should be easy to use and understand by even those who with minimal education. So, we used well-known iconography and labels for navigational components. To make it easier for users to access information and complete activities quickly, avoid cluttering the interface with unnecessary elements and offer sensible groups of them.

Also, we decided to make sure that visual components like buttons, menus, and forms are created in a style that is simple to recognize and comprehend. Stay away from giving people too many options or complicated visual effects.

The main issue that we could find from our research is the “language”. Plenty of users of our system, required to work on the system with their mother tongue. To come up with that issue we had to include an option to choose their preferred language. So, we add a function to language selection with English and Sinhala languages. (English is used because it is a global language)

According to these facts, we developed the “AgriSense” to get most valuable service for agricultural people.

# 4.Description about pages

## 4.1. Home page

AgriSense is a website for farmers, enthusiasts, and business professionals that offers informative information and resources. You will notice a simple navigation bar at the top of our home page as soon as you arrive. It provides quick access to the following important pages: Services, FAQ, Profile, Login, Community, and News.

The ability to translate the website from English to Sinhala is one of the standout features of AgriSense, allowing visitors to explore the information in their preferred language and promoting inclusivity. We think that everyone should have access to important agricultural knowledge.

At AgriSense, our main objectives are whether you are a seasoned farmer or a beginner, we aim to provide you with valuable insights, innovative solutions, and expert advice to enhance your farming practices.

On our home page, we highlight fascinating agricultural facts specific to Sri Lanka. Discover the diverse crops cultivated across the island, learn about sustainable farming practices, and gain a deeper understanding of the significance of agriculture in Sri Lanka's economy.

In addition to these engaging discussions, our website offers a wide range of services tailored to the needs of farmers. Explore our Services page to access information on crop cultivation techniques, pest and disease management, soil health improvement, modern agricultural technologies, and much more.

Our FAQ area offers responses to frequently asked Questions, and our community page connects you with other farmers so you can share experiences, get advice, and create a supporting network within the agricultural community.

Through our News section, which offers timely articles, research results, market trends, and government regulations pertinent to Sri Lanka's farming industry, keep up with the most recent advancements in the agricultural sector. Whether you are seeking guidance, information, or simply want to connect with like-minded individuals, AgriSense is your go-to platform for all things agriculture.

AgriSense

HOME SERVICES COMMUNITY FAQ NEWS EN PROFILE LOGIN

# AgriSense

"Empowering farmer,Cultivating success"

## Objective

Here what we expect is to assist farmers and individuals involves in Agriculture with various aspects of their work. This would be a great Platform to both the customers and farmers. Here are some services we provide

- Weather forecast
- Soil moisture level
- Water percentage
- Customer farmer interaction

Get Started ↗

Learn More

## ARE YOU AWARE?

Sri Lanka is known for its exports of tea, rubber, and coconut-based products. Tea is one of the country's main agricultural exports and a significant source of foreign exchange earnings.

Agriculture exports play a vital role in Sri Lanka's economy. In 2020, the total export earnings from agricultural products amounted to around $2.3 billion.

The agriculture sector is a significant source of employment in Sri Lanka, with approximately 27% of the country's labor force engaged in agriculture-related activities.

**28%** Agriculture occupies Area in Sri Lanka

**7.1%** Agriculture contributes Sri Lanka's GDP

**27%** The country's labor force engaged

AgriSense

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**Resources**

Community
FAQ's
Terms
Privacy

**Contact**

+94 702052557
Agrisense@Gmail.Com
Colombo , Srilanka

**Get Email Notifications**

Generate outside the box thinking with the possibility to target the low

Enter email.... Submit

### 4.2. Services

Services page of AgriSense is where we offer a range of valuable services tailored to meet the needs of farmers and enthusiasts. Our platform provides four main services: Weather Report, Soil Moisture, Water Level, and Customer Farmer Interaction. By gathering your location information, we ensure that the services we provide are specific to your area.

In the Weather Report service, we provide detailed information to help you plan your farming activities effectively. You can access real-time data on temperature, rainfall, humidity, chance of rain, wind speed, and a graphical representation of sunrise to sunset time. Additionally, we offer insights on whether the current weather conditions are suitable for farming activities. This information empowers you to make informed decisions regarding crop cultivation, irrigation, and other essential farming practices.

You can keep track of and comprehend the moisture level in your soil with the help of the Soil Moisture service. We give visual representations of soil moisture levels using interactive graphs and charts. This information aids you in streamlining your irrigation techniques so that you can maximize crop water use and minimize waste. Understanding the moisture content of the soil is essential for preserving healthy plant growth and increasing output. We can measure those stats using IOT devices.

We provide information about the water levels in your area with our Water Level service. We assist you in making knowledgeable decisions about water usage and conservation by offering pertinent facts. Understanding the water availability and managing it effectively, whether you rely on irrigation systems or natural water sources, is essential to sustainable farming methods.

In addition to weather, soil, and water services, AgriSense also offers a Customer Farmer Interaction service. We connect farmers directly with customers, enabling them to sell their products efficiently. By eliminating intermediaries, farmers can display their produce, interact with customers, and establish direct relationships. This service fosters transparency, fair pricing, and mutual benefit between farmers and consumers.

For a better Customer Farmer Interaction, it has a product catalogue which customers can purchase any type of vegetables and fruits directly from farmers without any intermediary person.

Our website ensure that our services are tailored to your unique agricultural requirements.

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## A platform to connect farmers and customers

In this feature we provide a platform to connect both the farmers and customers. Farmers can sell their products and customers can request what they want. There are various kind of products available in this catalog. Go and explore the items

Learn more

## Our Other Services

⊕ WE HAVE BEST SOLUTION FOR YOUR AGRONOMY

### Weather: Rainy

- Temperature : 21 C
- Humidity : 59%
- Chance of rain : 70%
- Wind : 6 m/s

READ MORE

### Soil Moisture: Medium

Soil moisture is a key factor in promoting plant growth and development. It provides the necessary water for seed germination, root development, and nutrient uptake by plant roots

READ MORE

### Water Level: 23.5mm

Water is essential for the growth and development of crops. It is a primary component in photosynthesis, the process by which plants convert sunlight into energy. Your field water level is in optimal condition

READ MORE

# Food for your healthy& Daily Life Premium quality

You can purchase any type of vegetables and fruits directly from the farmers without an intermediary person. You can choose from our product catalog

search your foods

SEARCH

## PRODUCT CATALOG

### Vegetable

Leeks

1kg Rs250.00

Green Beans

1kg Rs250.00

Pumpkin

1kg Rs250.00

Carrot

1kg Rs250.00

### Fruits

Bannana

1kg Rs200.00

Pineapple

1kg Rs180.00

Avocado

1kg Rs250.00

Mango

1kg Rs160.00

### 4.3. Community

Community page of AgriSense, a vibrant space where individuals passionate about agriculture can come together to connect, share knowledge, and support one another. This interactive platform is designed to foster a sense of community among farmers, enthusiasts, and experts alike.

You can access several elements that promote effective problem-solving and communication on the Community website. The capability for users to participate in discussions by disclosing the issues they are having with their plants or crops is one of the essential components. This platform enables users to tap into the collective knowledge of the community for guidance, suggestions, and solutions in the event of a pest infestation, disease outbreak, or difficulty with cultivation practices.

The AgriSense Community is a great resource for troubleshooting and locating workable solutions because of its wide membership, each of whom brings their own special experiences and expertise. Users can ask inquiries, thoroughly describe their plant-related difficulties, and get comments from other users who have experienced or possess relevant knowledge. This collaborative approach promotes learning, innovation, and resilience within the agricultural community.

Furthermore, the Community page offers a feature that allows users to display their locations. By adding their geographical information, members can visually connect with others in their vicinity, fostering local connections and enabling them to engage in discussions specific to their region's climate, soil conditions, and agricultural practices. This geographical aspect encourages localized knowledge-sharing and facilitates the exchange of region-specific tips and insights.

Whether you are a farmer seeking advice, an enthusiast eager to learn, or an expert willing to share your expertise, the AgriSense Community page provides a welcoming and supportive environment for interaction.

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# ASK YOUR PROBLEMS HERE

Ask Community

Anjana Mirigama
30 Apr

From last two weeks this is happening.It is spreading fastly.I tried to stop it by plant extraction but it didn't stop.How can i overcome this ? please help.

5 Answers

Asanka Kandy
09 May

What is happening to my plants ? these plants are faded like this since three days. Any suggetions ?

4 Answers

Anesha Jaffna
23 May

Leaves has been attacked by some kind of insects. How can i control this ? What are the possible solutions ?

8 Answers

Mirada Colombo
29 Aug

There are so many wild plants in my garden and backyard. How can I control this? Any suggetions?

6 Answers

READ MORE

### 4.4. FAQ

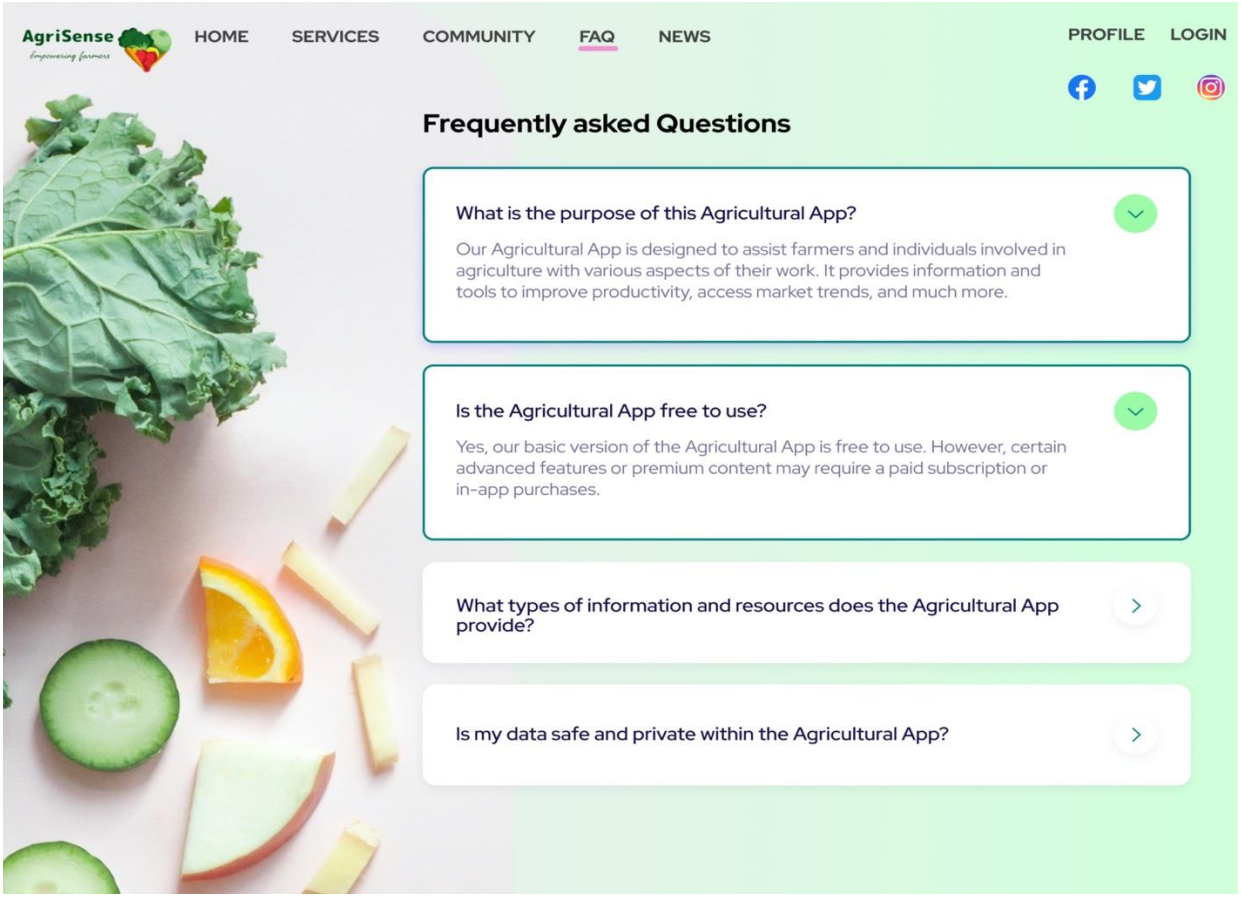
In Frequently Asked Questions (FAQ) page of AgriSense we have created this dedicated space to address the most frequently asked questions and provide helpful answers.

Our FAQ page is designed to be a comprehensive resource, gathering the most frequently encountered inquiries from farmers, enthusiasts, and individuals interested in agriculture. We have carefully compiled a list of frequent questions based on our experience and the feedback we have received from our valued users.

You can find solutions to a variety of questions in the FAQ section. We discuss topics like agricultural technologies, crop cultivation, pest and disease control, soil health, and more. We strive to give you the knowledge you require, whether you are looking for advice on organic farming techniques or are interested in the newest developments in precision agriculture.

Our FAQ page includes solutions to issues users have run through in addition to covering basic agricultural topics. We have discovered reoccurring problems and difficulties faced by farmers by gathering requests and comments from our community. We try to offer helpful suggestions and solutions that can be used to get around these challenges and improve farming methods.

We ensure that the answers provided in our FAQ section are accurate, up-to-date, and easy to understand.



### 4.5. News

The News page of AgriSense, where we keep you updated on the latest happenings in the agricultural world. Our news section covers a wide range of topics, including common diseases, agricultural achievements, technological advancements, and much more.

In our News section, we provide in-depth articles, research findings, and reports on common diseases affecting crops and livestock. Stay up to date with information on symptoms, prevention measures, and effective treatment options.

Our News page also explores emerging agricultural technologies and trends. Stay informed about the latest advancements in precision farming, smart irrigation systems, robotic automation, and other innovative technologies that can optimize your agricultural operations.

The news section covers market trends, government policies, and regulatory changes that may impact the agricultural sector. Stay informed about trade agreements, subsidies, and other factors that can influence the agricultural economy, helping you make informed decisions for your farming business.

Additionally, we highlight interviews with industry experts, providing valuable insights and advice on various agricultural topics. Benefit from the wisdom and experiences shared by seasoned professionals, researchers, and farmers, giving you access to a wealth of knowledge and expertise.

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HOME SERVICES COMMUNITY FAQ NEWS PROFILE LOGIN

# Latest News

Trending

## Paddy cultivations under caterpillar attack

The Department of Agriculture yesterday instructed farmers to follow Agriculture Officers' instructions strictly since the paddy cultivation has been damaged by several species of Spodoptera worms in several areas. Caterpillars are damaging the crops in several areas such as Anamaduwa and Dimbulagala areas.

2 hours ago By Chamara | 4min read

### Rice plant diseases likely to destroy 10 percent of Maha harvest

The Maha paddy harvest could drop by 10 percent due to the yellowing disease affecting rice plants, a senior official from the Department of Agriculture said.

Read more →

### The bug invasion

The country's food basket is under attack by an army of tiny foreign bugs that have invaded plants, shrubs and even large trees, leaving behind a trail of devastation.

Read more →

### About 78,000 HA of paddy land turn from lush green to yellow

The current crop yellowing disease has spread to about 10 percent of this season's total 780,000 hectares of paddy cultivation, the Ministry of Agriculture

Read more →

### Adverse weather badly affects fertilizer distribution

The Ministry of Agriculture informed that rainy weather conditions prevailed over the past few days badly affected the distribution of Urea and MOP fertilizers throughout the island.

Read more →

### Tumult over turmeric – 'no cause' for fungus alarm

Turmeric cultivators in Ampara harvesting their produce after nine long months of toil announced last week – to the astonishment of consumers – that their crops are infested with fungus.

Read more →

### Paddy Marketing Board buys 282 metric tons of paddy yesterday

The Paddy Marketing Board has purchased 282 metric tons of paddy yesterday (21), which is the fourth day since the paddy procurement started.

Read more →

### 4.6. Profile

Profile page of AgriSense is where you can manage and personalize your account information and track your activity on our platform. We have created a user-friendly interface that provides you with valuable insights and control over your interactions within our agricultural community.

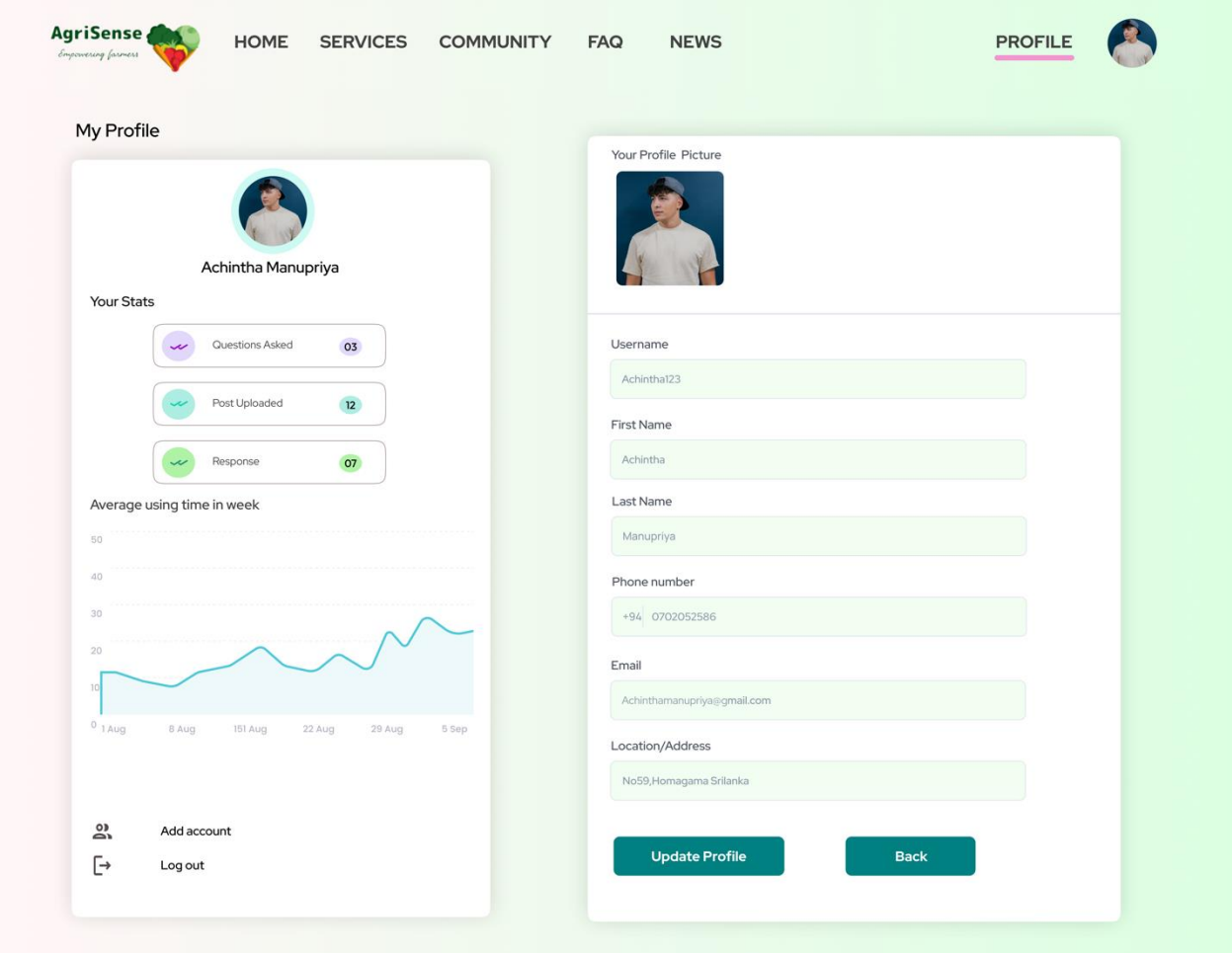
The Profile page consists of several tabs to enhance your experience. In the "Status" tab, you can view a summary of your engagement on our website. Here, you will find information such as the number of questions you have asked, along with a list of those questions, allowing you to easily keep track of your inquiries. Additionally, you can see how many uploads you have made and the number of responses you have posted. This tab helps you stay informed about your own contributions and interactions with other community members.

To help you understand your usage patterns, we have included a graph that displays the average time you have spent using our app. This feature allows you to gain insights into your level of engagement and helps you assess your commitment to agricultural learning and participation within our community.

You can examine and modify the details of your account on the "Details" tab. Your username, first and last names, phone number, and email address are all included. In this part, you may easily make any necessary adjustments. Additionally, there are tools that let you change your profile picture so that your online persona and identity are accurately represented.

We provide the opportunity to add additional accounts for users who need several accounts or want to manage various elements of their agricultural operations. With the help of this tool, you may make and manage various profiles, each one specialized to a certain type of farming or set of interests. When you have numerous accounts, switching between them is simple and guarantees a smooth experience as you move between various agricultural fields.

Profile page is designed to give users control over their personal information and provide valuable insights on AgriSense.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HOME
SERVICES
COMMUNITY
FAQ
NEWS
PROFILE
My Profile
Achintha Manupriya
Your Stats
Questions Asked 03
Post Uploaded 12
Response 07
Average using time in week
50
40
30
20
10
0
1 Aug
8 Aug
151 Aug
22 Aug
29 Aug
5 Sep
Add account
Log out
Your Profile Picture
Username
Achintha123
First Name
Achintha
Last Name
Manupriya
Phone number
+94 0702052586
Email
Achinthamanupriya@gmail.com
Location/Address
No59,Homagama Srilanka
Update Profile
Back

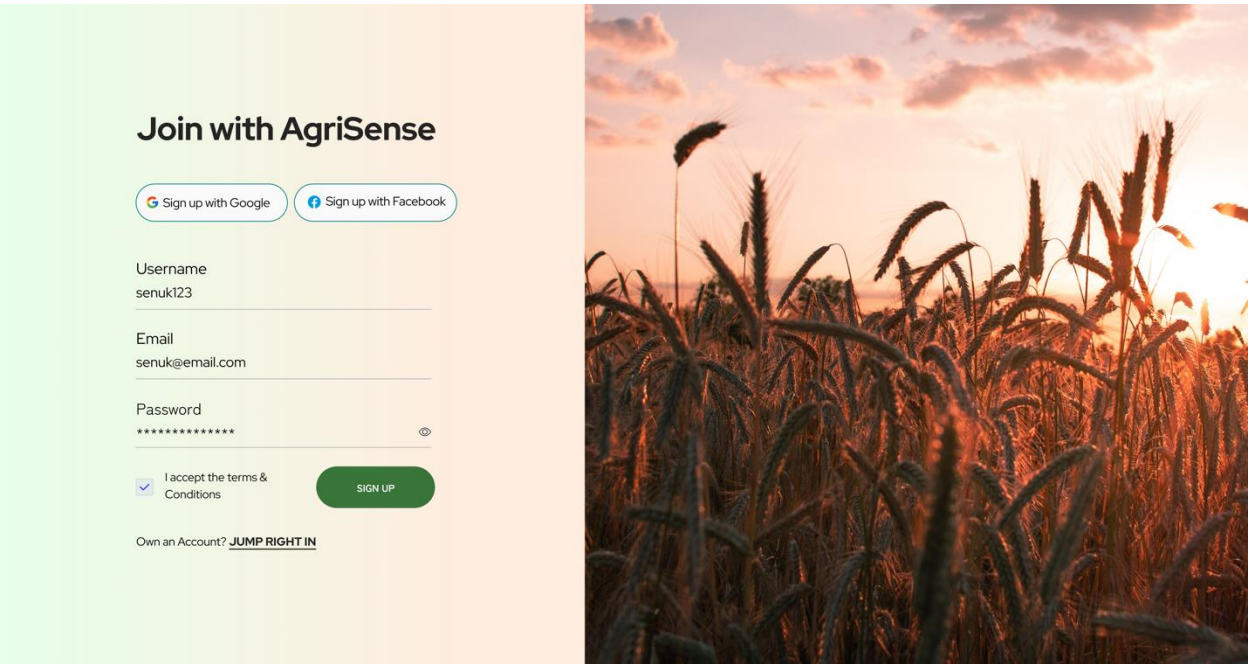
### 4.7. Login

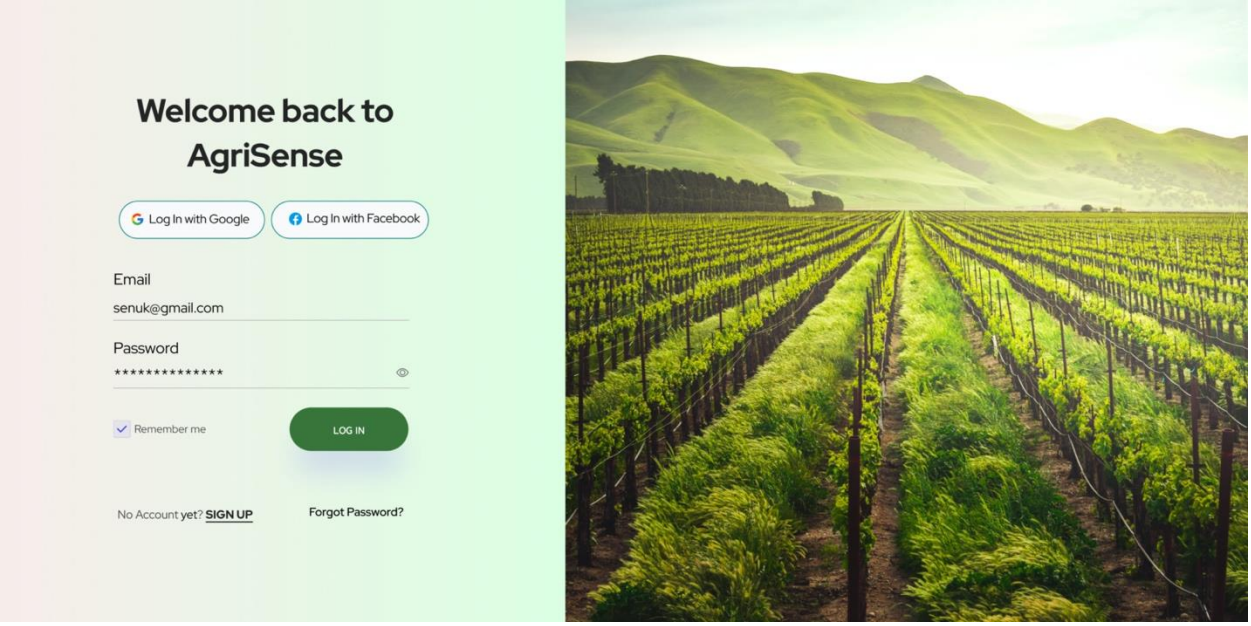
login page of AgriSense is gateway to accessing a wealth of agricultural resources and community engagement. Here, we provide a seamless login experience with two main options: "Sign Up" and "Sign In."

The "Sign Up" page is where you can create your AgriSense account. We make the registration process simple and efficient. You will be prompted to enter details such as your desired username, email address, and password. We prioritize the security of your information and ensure that your password remains confidential. Additionally, for your convenience, we offer the option to sign up using your Google or Facebook account, streamlining the registration process even further.

If you already have an AgriSense account, the "Sign In" page is where you can securely access your account. To log in, simply enter your registered email address and password. We take your privacy seriously, and all information you provide is encrypted and protected.

In case you have forgotten your password, we have implemented a "Forgot Password" feature. By clicking on this option, you can initiate the password recovery process. An email will be sent to the address associated with your account, guiding you through the steps to reset your password securely.

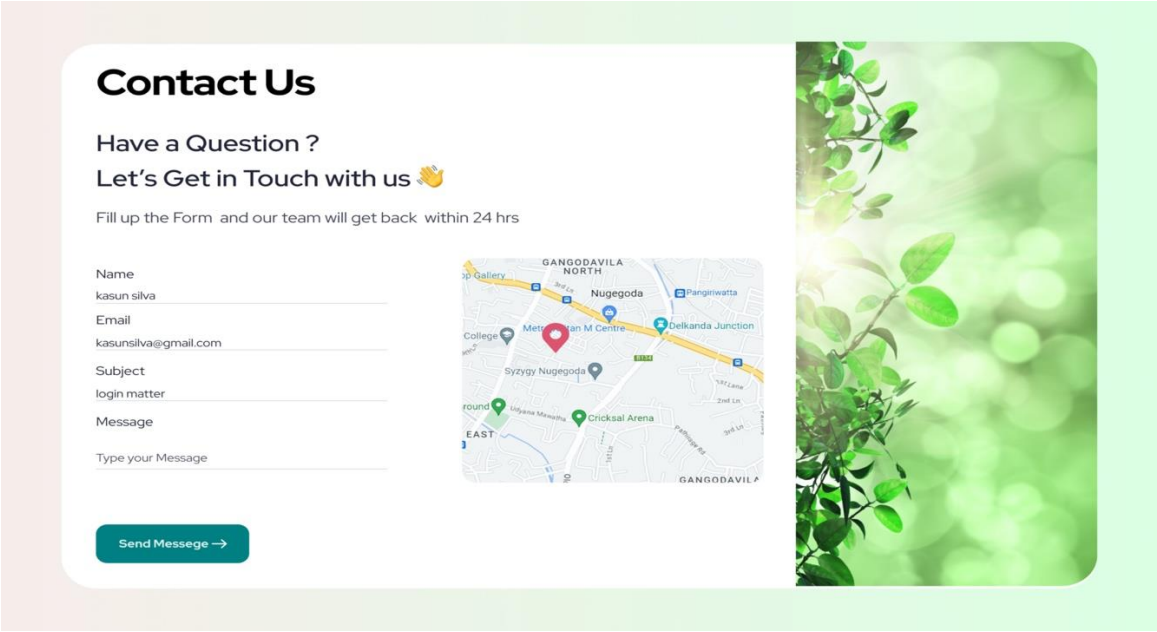





### 4.8. Contact Us

The Contact Us page of AgriSense, is where we value your feedback, inquiries, and suggestions. We provide excellent support and ensuring that your experience with our platform is smooth and enjoyable.

To get in touch with us, user can simply provide their name, email address, subject, and message. By this we can review users' message promptly and respond as soon as possible.

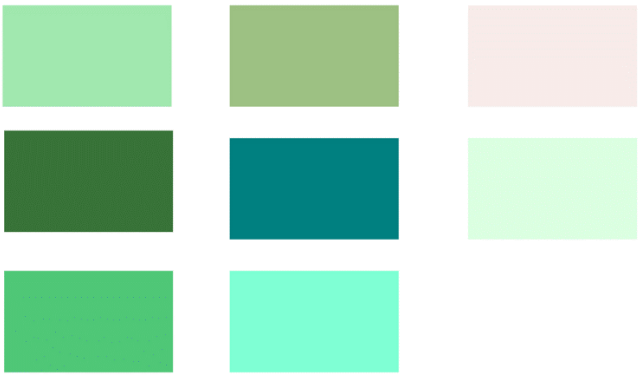


## 5.Logo of the AgriSense, Color palette and the font styles used

### Logo


The heart-shaped logo of AgriSense, filled with a vibrant assortment of vegetables, represents our commitment to cultivating a sustainable and thriving agricultural community, where the well-being of farmers and the abundance of nutritious produce are at the core of our mission.

### Color palette



We use lively green and blue colors to represent, growth and trust to convey the message of natural sustenance and progress.

## Fonts

- Red Hat Display
- Inter
- Arial

## 6.Figma workspace link

https://www.figma.com/file/tACDhqUYsNGPzeQjfVl6ld/HCI?type=design&node-id=0%3A1&t=7nqCnO4aEOL9lHPJ-1

## 7.Conclusion

As we were assigned to develop a suitable UI/UX design for an agriculture information system, we designed the AgriSense information system as a web application. We used Figma tool to create the prototype. After exploring user requirements and expectations using google forms, real-life observations, we designed the UI/UX while keeping the user at the center of the process. Considering the human factors, the design was developed to achieve a successful and usable product.

To summarize the content, we designed an agricultural information system named AgriSense with the features and functionalities such as weather forecasting, soil moisture monitoring, water percentage analyzing, customer-Seller identification, community platform, FAQ section, latest agricultural news etc.

## 8.References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