

User Manual for EcoScan Web Application

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Introduction

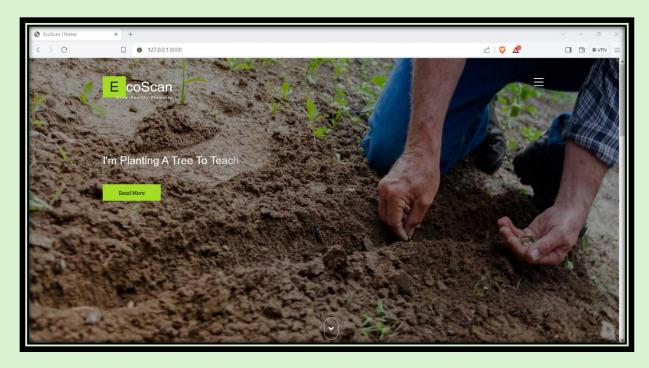
Welcome to the EcoScan web application! The project's primary objective is to provide a user-friendly interface for farmers, allowing them to upload crop images and receive real-time analysis, enabling early disease detection and informed decision-making. By integrating state-of-the-art technology into agriculture, Eco Scan aims to optimize crop health monitoring, minimize losses, and promote sustainable farming practices.

Project Name:	Eco Scan
Team:	Algo-Avengers
Project Description:	"Eco Scan" is a pioneering project leveraging Convolutional Neural Networks (CNN) and image processing techniques for rapid and accurate plant disease detection.
	For farmers
	Who uploads an images
	the Eco Scan
	is a deep neural Network model application
	that provides rapid and accurate plant disease detection in real time and free of cost
	rather than subscribing to highly paid applications with less accuracies.
	Our application will help the user with CNN algorithms to analyze and identify potential diseases swiftly.
Benefit Outcomes:	Aims to: optimize crop health monitoring, minimize losses, promote sustainable farming practices.
GitHub Link:	Home · htmw/2024S-AlgoAvengers Wiki (github.com)

Getting Started

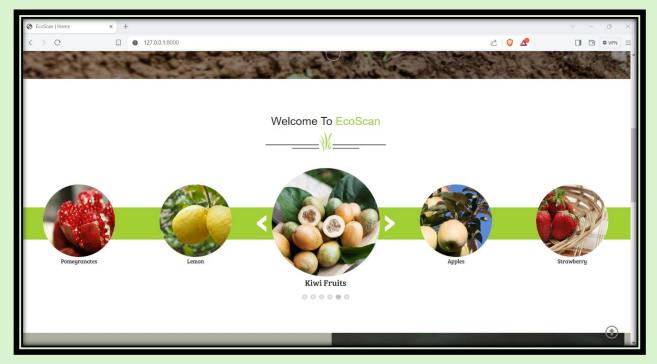
1. Homepage

- Access: Open your web browser and enter the URL provided for the EcoScan application. You will land on the homepage.
- Navigation: Use the navigation bar at the top of the page to access various sections such as Home, About Us, Weather Forecasting, and more.

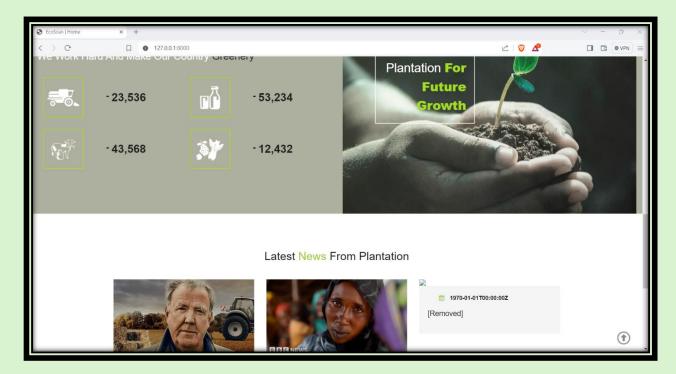


Planting A Tree: Click on "Read More" to learn about the benefits and methods of planting trees.

Carousel: View featured fruits like Pomegranates, Lemons, Kiwi Fruits, Apples, and Strawberries by clicking on the arrows to navigate through the carousel.



Latest news: Check out the feed for the latest news about planation.



2. Login/Signup

• Access: Click on the 'Login' button in the upper right corner to enter your credentials or select 'Signup' to create a new account.



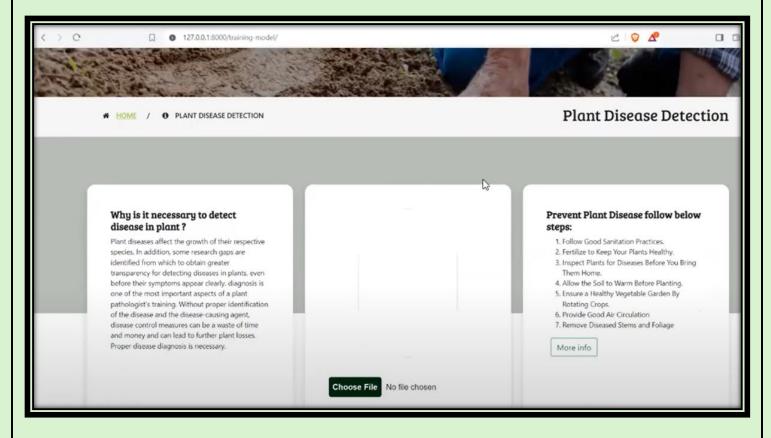
 Information Needed for Signup: Provide your email address, create a password, and fill in any other required information to set up a new account.



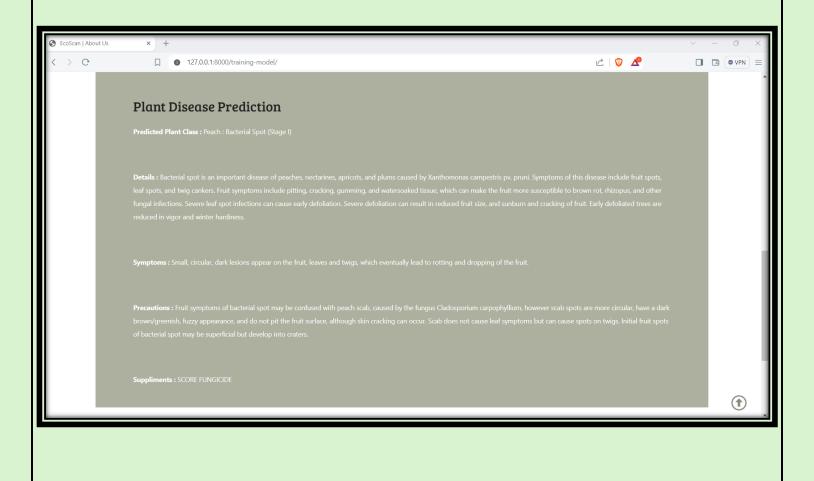
Main Functionalities of EcoSCAN:

1. Disease Detection

- Access: Navigate to the 'Disease Detection' section from the homepage.
- Usage: Upload an image of a plant leaf, and the system will analyze it to detect any diseases.

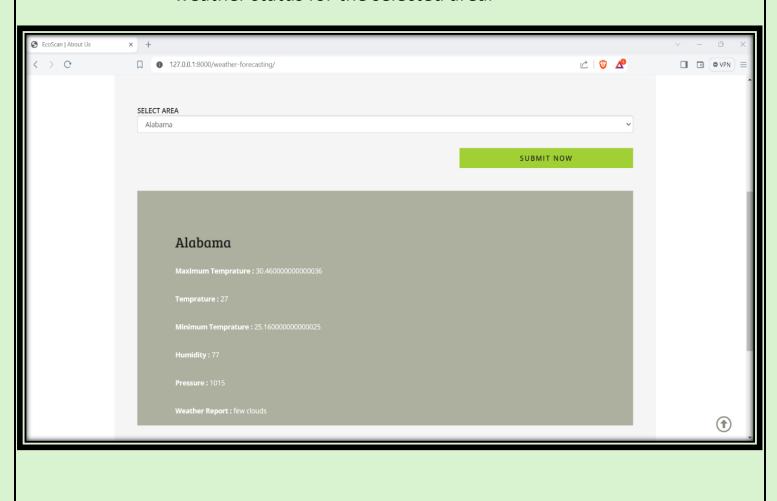


• **Results:** After processing, the application will display the type of disease detected along with detailed information and suggested steps for treatment.



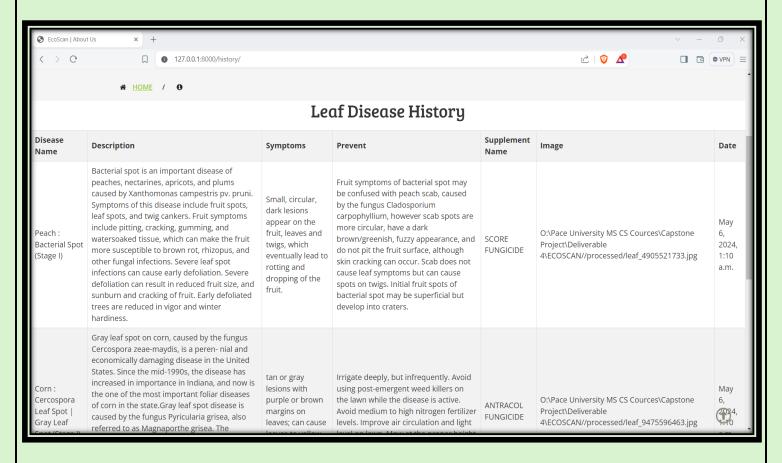
2. Weather Forecasting

- Access: Select the 'Weather Forecasting' from the navigation bar.
- **Usage:** Choose your location from the drop-down menu and click 'Submit Now'.
- **Results:** The application will display the current weather conditions including temperature, humidity, and general weather status for the selected area.



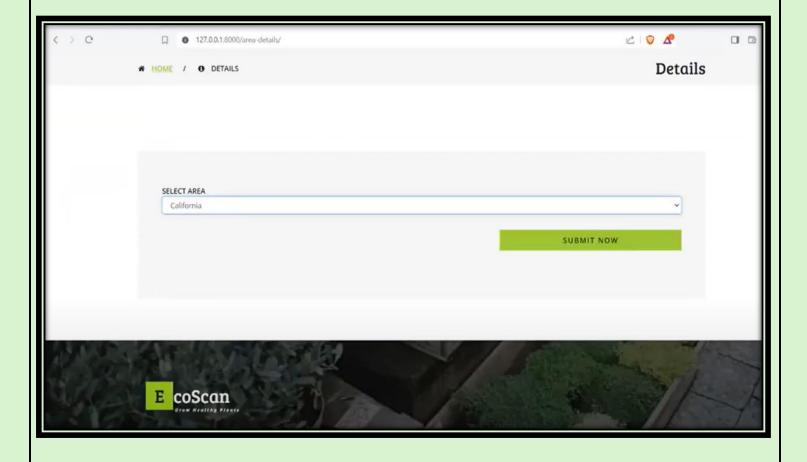
3. Plant Care History

- Access: Go to the 'History' section to view past records of plant diseases.
- Functionality: This section provides a historical overview of various plant diseases, including descriptions, symptoms, preventive measures, and treatments.

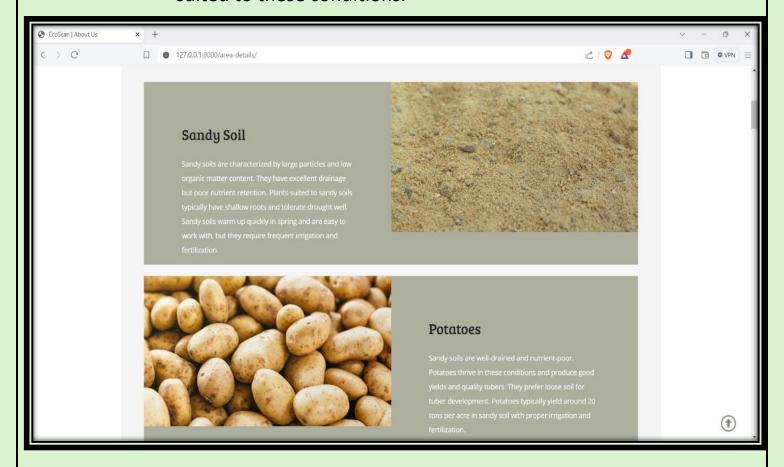


4. Area Details

 Access: Select 'Area Details' from the menu to view information about soil types and suitable crop recommendations for different regions.

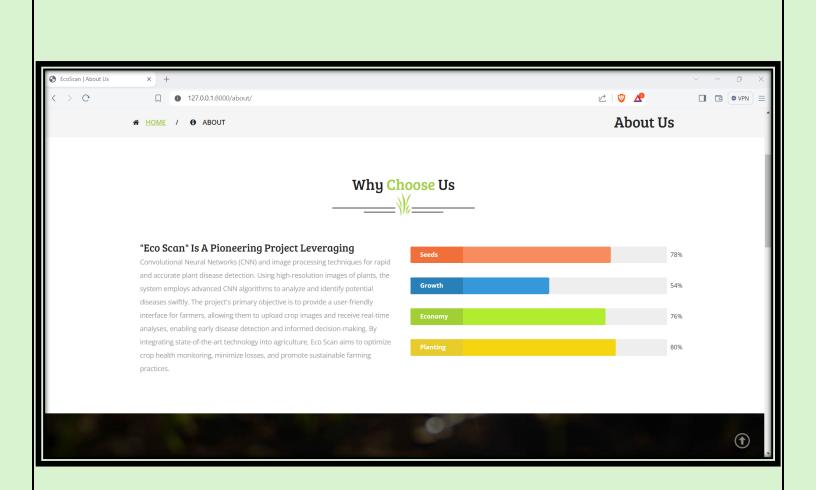


• **Features:** Information on various soil types like sandy soil, and the best practices for planting and maintaining crops suited to these conditions.



5. About Us

- Learn more about the EcoScan project, its goals, and the technologies used.
- This section also includes graphical data on the success rates of different planting strategies used within the community.



Troubleshooting and Support

- Image Upload Issues: Ensure the image is in a supported format (e.g., JPEG, PNG) and does not exceed the size limits. If problems persist, try reloading the page or using a different browser.
- Weather Information Errors: If the weather data appears
 incorrect or does not load, check your internet connection and
 ensure you have selected the correct area. If the issue continues,
 contact support.
- General Support: For any other issues or inquiries, reach out to our support team via the 'Contact' section. Provide a detailed description of your issue, and we will assist you as soon as possible.

Conclusion

The EcoScan web application is designed to be user-friendly and informative, providing valuable insights into plant health and environmental care.

We hope this manual helps you navigate and make the most of the various features available.

Happy gardening and plant care!