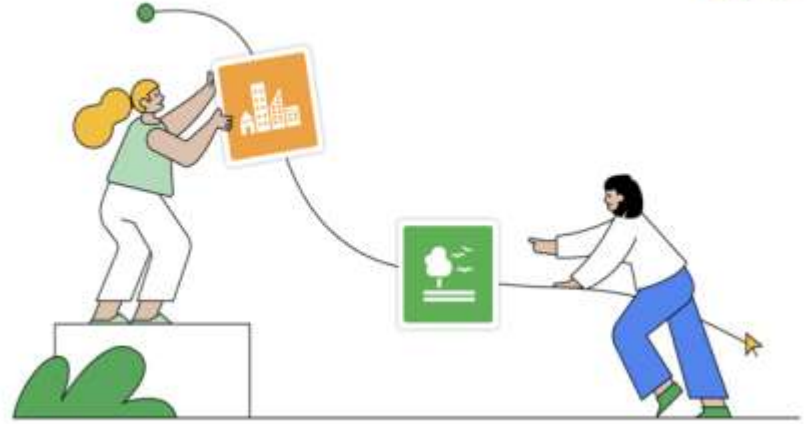




Solution Challenge



Team Details

- a. Team name: Bug Fighter's
- b. Team leader name: Raginee Darade
- c. Problem Statement: Virtual Harbal Garden

Problem Statement

- The wealth of traditional knowledge on medicinal plants in the AYUSH system remains largely inaccessible to the public and researchers.
- Existing educational resources lack interactivity, making it difficult to engage and educate users effectively.
- There is an urgent need for an immersive, user-friendly, and technology-driven approach to learning about herbal medicine.

Virtual Herbal Garden: An Overview

Idea Overview

An immersive educational experience.

Focuses on medicinal plants in AYUSH.

Key Features

Uses current tech for a multi-dimensional model.

Showcases usage, location, and features.

User Experience

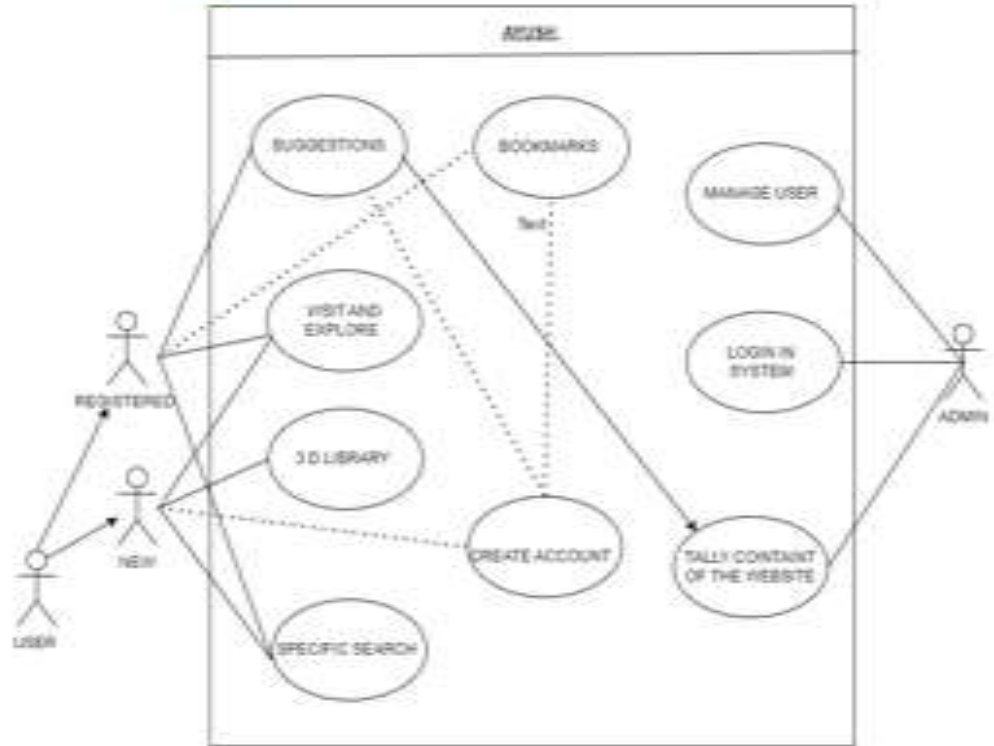
Immersive experience for users everywhere.

Accessible knowledge of medicinal plants.

Features

- **High User Engagement:** Interactive and engaging features will attract and retain users.
- **3D Model Optimization:** Ensure fast loading and high quality of 3D models.
- **Cross-Platform Compatibility:** Design to work smoothly across various devices and browsers.
- **Expert Collaboration:** Work with AYUSH professionals to ensure accurate plant information.
- **User Testing:** Refine the interface through extensive user testing for ease of use.
- **Data Security Measures:** Implement encryption and regular audits to protect user data.
- **Scalability:** Design the platform to grow with additional features and content over time.

Process flow diagram or Use-case





Impact and Benefits of the Project



Social

Wider access to AYUSH knowledge.



Economic

Opportunities in herbal medicine sector.



Environmental

Promoting herbal awareness.

Technologies to be used in the solution

- AI Features:** AI-based plant identification (Future Development)
- 3D Modeling:** Blender, WebGL.
- VR Integration:** Unity, WebXR.
- AI Features:** AI-based plant identification (Future Development)
- Gemini AI for Virtual Assistance:** Used for an AI-powered herbal assistant, enabling users to ask questions about medicinal plants, get instant insights, and receive personalized recommendations based on symptoms or interests. Gemini AI will process natural language queries and provide accurate, contextual responses using its advanced language model.



Snapshots of the Project



links of Projects:

1. GitHub Public Repository : [ragineedarade/Gardenly.pro](https://github.com/ragineedarade/Gardenly.pro)
2. Demo Video Link (3 Minutes) : <https://youtu.be/4x4YkbZ5Zq4>
3. MVP Link : [404: NOT_FOUND](#)

Research and References

AYUSH Resources

Ministry of AYUSH official website.

Herbal Databases

Reputable botanical databases.

VR Studies

Research on VR in education.





Solution Challenge



Thank you

