Team Details

Team Name: TechSheroes
College Name: K. J. Somaiya College of Engineering
Department: Information Technology
Year of Study: Final Year

Team No.	Team Member Name
570	Ananya Warior
570	Siddhika Rai
570	Niyati Mehta
570	Anushka Bodke
570	Alekhya Gorugantu
570	Riddhi Arya

Ayurveda, a traditional holistic medical system developed in India over 3000 years ago, faces a significant problem of underutilization. Despite its potential to effectively treat chronic diseases like diabetes, arthritis, heart diseases, and asthma, Ayurveda struggles to gain widespread acceptance due to the lack of scientific validation in various concepts.

To address this issue, there is a pressing need to develop a user-friendly web and mobile application that caters to individuals who prefer herbal and Ayurvedic treatments. The application should provide accessible information, remedies, personalized recommendations, and educational resources to create awareness and promote the benefits of Ayurvedic medicine among a wider audience.

OUR APPROACH

Our solution aims to create awareness and educate a wider audience about the potential benefits of Ayurvedic medicine for chronic diseases. We prioritize developing a user-friendly web and mobile application with a simple and intuitive interface for easy navigation and seamless user experience. Our solution focuses on -

Promoting Ayurvedic Medicines

Herb Usage Guide to promote safe and effective usage

BMI Calculator for monitoring and tracking body mass index

Personalized User Experience based on users' profile

Recommend nearby Ayurvedic Practitioners

Medicinal Herb Identification from uploaded images

Recommend remedies and recipes including Kashayams and Arishtams

Tips, Hacks and DIYs on nutrition, fitness, beauty, support for mothers, etc.

Recording History and Feedback to enhance future suggestions

FUTURE SCOPE

Empowering Local Vendors: The application can create opportunities for local Ayurvedic vendors and businesses to showcase their products and services, thereby supporting and strengthening the local economy.
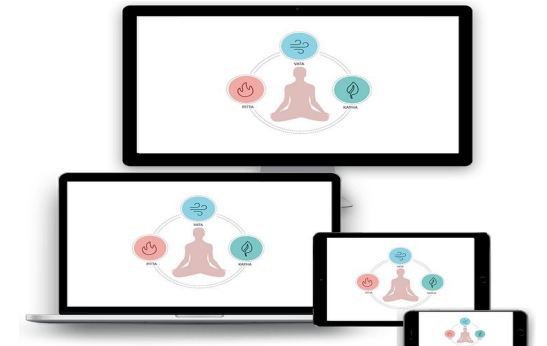
Ayurveda Revolution: The future envisions a revolutionary surge in Ayurveda, driven by widespread education and massive utilization. This transformation will offer cost-effective and side effect-free healthcare solutions, empowering individuals to prioritize holistic well-being and elevate their quality of life.

Video Tutorials: Offering video tutorials on how to use medicinal plants provides users with practical guidance and visual demonstrations, enhancing their understanding and confidence in utilizing Ayurvedic remedies effectively.

Integration with Wearable Devices: Seamlessly integrating the application with wearable devices and health tracking technologies

Augmented Reality (AR) Integration: allows users to visualize and interact with virtual representations of medicinal herbs and their uses.

Multi-Language Support: to include multiple Indian languages ensures inclusivity and accessibility. By accommodating regional languages, such as Hindi, Tamil, Bengali, and more, the application empowers a diverse user base, enhancing their understanding and engagement with Ayurvedic concepts and remedies.

HOW IS OUR SOLUTION UNIQUE?

HOLISTIC APPROACH

Our solution goes beyond just providing remedies for diseases. It embraces a holistic approach by including features *such as herbal usage guidelines, medicinal herb identification, and a dictionary of herbs and their uses.* Our comprehensive solution covers additional categories such as *nutrition, fitness, beauty, etc.*

BEYOND ILLNESS

From personalized nutrition plans to fitness routines, beauty tips, and support for new moms, our platform becomes an indispensable companion on the journey to overall well-being. Embracing the power of Ayurveda, it empowers users to unlock their full potential and live a vibrant, balanced life.

KASHAYAM/ARISHTAM PREPARATION

dedicated guide on how to prepare Kashaya (or Kaadha), a traditional Ayurvedic herbal concoction. This unique feature provides users with detailed instructions on preparing this specific remedy.

ADDITIONAL INTEGRATIONS

Our model will provide a *BMI calculator* feature to help users monitor their body mass index and promote a healthy lifestyle. Additionally, our application incorporates *informational visual tutorials* on using the medicinal plants and herbs. These additional features enhance the overall user experience and add value by providing tools for health monitoring and educating one on Ayurveda.

THE WOW FACTOR

PERSONALIZED RECOMMENDATIONS

The project provides personalized recommendations tailored to each user's specific needs and allergies. By considering individual allergies and health conditions, the application ensures that the remedies and recommendations provided are safe and suitable for the user. This personalized approach enhances the effectiveness and relevance of the Ayurvedic treatments suggested.
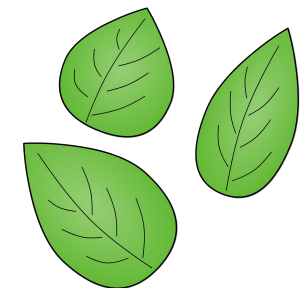
LEARNING FROM USER FEEDBACK

The project's model continuously learns from user feedback, improving its recommendations over time. As users engage with the application, provide feedback on the effectiveness of remedies, and share their experiences, the system analyzes and incorporates this information to enhance future recommendations. This feedback-driven learning process ensures that the project becomes increasingly refined and effective in providing personalized Ayurvedic solutions.

LEAF RECOGNITION FROM IMAGES

The integration of an image recognition system sets our solution apart. Users can upload images of medicinal herbs, and the system can identify and provide information about the herb's properties and uses. This interactive and engaging feature enhances user knowledge and facilitates easy identification of herbs.

TECHNOLOGICAL STACK

Backend	Python, Java
Frontend	HTML, CSS, JS, Rest API's, Jersey, TomCat 8.5
Cloud Service Provider	AWS
Database	MySQL
App Development	Android Studio, Java, Postman

THANK YOU!