Herbal (Online Ayurvedic) Consultation Management System

Feasibility study

Before moving forward with a project, it is essential to evaluate its viability to determine whether it can achieve the organization's objectives, given the amount of effort, time, and resources that will be invested in it. A feasibility study is typically conducted to assess the project's potential value and future prospects. The first step in implementing a proposed system is to conduct a feasibility study to determine its feasibility, which involves evaluating its ability to meet user requirements, make a positive impact on the organization, and efficiently use available resources. It is common practice to conduct a feasibility evaluation of a proposed idea to avoid potential issues before authorizing further progress.

The feasibility of the project is outlined in the paper, which provides detailed information on several aspects such as technical, financial, and operational viabilities. These factors were thoroughly evaluated during the feasibility assessment stage to ensure the project's viability.

Technical Feasibility:

The technical feasibility of the proposed online ayurvedic project is evident based on the selected technologies and architecture. Using HTML/CSS for the front-end and Python Django for the back-end is a solid choice, as these technologies are widely supported and offer robust capabilities for web development. However, ensuring platform compatibility and scalability is crucial. The system must be designed to accommodate increasing user traffic and data over time. Employing a reliable database system such as PostgreSQL or MySQL is technically feasible for storing user profiles, appointments, consultations, product details, orders, and reviews securely. Additionally, implementing stringent security measures, including encryption and user authentication, is essential to safeguard user data and payment information. Proper optimization of database queries and server-side logic will be necessary to maintain optimal performance, especially when handling a large volume of users and products. Lastly, making the website mobile friendly is technically feasible but will require responsive design techniques and extensive testing on various devices to ensure a seamless user experience.

Behavioral Feasibility:

User acceptance is a critical aspect of the project's behavioral feasibility. To ensure the system aligns with user expectations, conducting surveys, focus groups, or usability testing is essential. Understanding user preferences and addressing them during development can lead to a more user-friendly and successful platform. Additionally, providing training resources, such as user manuals or tutorials, will be necessary to assist users, including administrators ,patients and doctors, in effectively using the system. Ensuring a positive user experience and ease of interaction will contribute to the overall success of the project.

Operational Feasibility:

Operational feasibility encompasses several key considerations. First, maintenance and support must be well-planned and executed to keep the system running smoothly. This includes regular updates, bug fixes, and promptly addressing user inquiries and issues. An operational procedure for patient, which involves verifying patient health details, will be essential to ensure a seamless registration process. Furthermore, setting up effective customer support channels and assigning dedicated personnel to manage them is crucial to handle customer inquiries efficiently. Operational feasibility will contribute to the long-term sustainability and effectiveness of the online ayurvedic consultation system.

Economic Feasibility:

Conducting a comprehensive cost-benefit analysis is imperative to assess the economic feasibility of the project. This analysis should consider development costs, hosting and maintenance expenses, as well as potential revenue streams, such as earnings from ayurvedic product sales, consultation and treatment fees. The project's revenue model should be carefully evaluated to determine whether it can cover operational and development costs and potentially generate profit. . Calculating the expected return on investment (ROI) over a specified period will be essential to gauge the project's economic viability and whether it offers a satisfactory return on the investment made in its development. Based on the evaluations, the project was developed at a justified cost since it was created solely using open-source software.The Herbal project was developed as a project without any manual expenses. With all necessary resources at hand, it is feasible to construct the system at a reasonable cost. The cost structure of the project includes three categories: system expenses, development costs, and hosting cost.

Requirement Analysis

Herbal Online Ayurvedic Consultation Management System

Project Overview:

The project is an Online Ayurvedic Consultation Management System serves as a modern solution for individuals seeking Ayurvedic Healthcare without the used for physical visits. It facilitates efficient communication between doctors and patients, enables personalized treatment plans and contributes to the wider adoption of Ayurveda in the digital era.

To what extent the system is proposed for:

The system is proposed as online ayurvedic consultation application that covers the entire lifecycle of consultation and buying medicines. It includes functionalities for patient registration, appointment booking, consultation, medicine catalog, shopping cart, checkout, order history and more. It caters to both patient and doctors, providing a full-fledged ecommerce platform for healthcare.

Specify the Viewers/Public involved in the System:

The viewers/public involved in the system include:

Patient: Patient can register and they can book for appointments, buy ayurvedic products and also view information about bookings.

Doctor: can view the appointments, prescribe medicines .

Administrators: System administrators responsible for managing the website, users, and content.

List the Modules included in your System:

The system is divided into five main modules:

Admin

Patient

Doctor

Seller

Delivery agent

Questionnaire to collect details about the project:

1.What is the primary goal of this online ayurvedic consultation project?

Online Jeevani Ayurvedics website is a process in which patients can make appointments for their treatment. And then doctor can see the patient details of which appointments are there. And also doctor can cancel or make it prescription for the patient. This system will be very efficient in a real time environment..

2. Is there any Online Portal for patient to book the appointment?

Yes, there is an Online Portal to book appointment. Also, there are hospitals that don't have online facilities.

3.Can you provide information on the technologies and tools used for development?

The project uses HTML/CSS for the front-end and Python Django for the back-end. These technologies are chosen for their reliability and scalability in web development.

4. How often people/patient book through the portal?

People booking through online portal is comparatively less. Some are unaware of it and some don't know how to use it.

5.Is online consultation always effective?

Offline consultation is preferred by most the patients due to its flexibility. But now a days

online consultation is also used due to its easiness. It has many advantages, in some cases not always, because the doctor only analyse based on symptoms mentioned by the patient.

6. Can the patient see previous medical history till data including test details?

Yes, the registered patient can access previous data based on date.

7.How do you plan to ensure the security of user data and payment information?

Security measures will include encryption of sensitive data, secure authentication, regular security audits, and compliance with industry standards for handling payment information.

8.Have you conducted any user acceptance testing or gathered user feedback during development?

Yes, user acceptance testing and feedback gathering are part of the development process to ensure that the system meets user expectations and is user-friendly.

9.How do you plan to handle patient support and inquiries?

Patient support will be handled through dedicated channels, and personnel will address inquiries and issues promptly. The project also includes a customer support module for this purpose.

10.Are there any plans for future expansion or additional features?

Yes, there are plans for future expansion, including features such as disease prediction, reporting and analytics, discounts, and a more extensive order management system.