

# FEASIBILITY STUDY

## Introduction

Feasibility is the practical extent to which a project can be performed successfully. This study evaluates the viability of the **ServiceHive** (Household Services Booking Website) a web-based platform designed to connect users with skilled professionals for various household needs. The objective is to determine whether this project is technically, operationally, and economically feasible.

## Objectives of the Feasibility Study

1. To analyze whether the website will meet organizational and user requirements.
2. To determine whether the platform can be implemented using current technologies within the specified budget and schedule.
3. To assess whether the platform can integrate with other systems or databases effectively.

## Technical Feasibility

### 1. Technologies Used:

- Operating System: Windows-based system
- Frontend: HTML, CSS, JavaScript
- Backend: PHP
- Database: MySQL
- Web Server: XAMPP
- IDE: Visual Studio Code

## **2. Capabilities:**

- The development team has sufficient expertise in the listed technologies.
- The technologies are well-established and have a large support community.
- The proposed solution aligns with current technological capabilities and is scalable for future needs.

## **3. Risks:**

- Ensuring seamless integration of payment gateways.
- Maintaining database security and preventing unauthorized access.

## **Operational Feasibility**

### **1. User Benefits:**

- Simplifies the process of finding and booking household services.
- Provides secure payments and reliable service ratings.
- Offers smart scheduling features for user convenience.

### **2. Service Provider Benefits:**

- Facilitates service registration and management.
- Enables providers to monitor user feedback and improve service quality.

### **3. Challenges:**

- Ensuring high user adoption rates.
- Training service providers and admins to use the platform efficiently.

## Economic Feasibility

### 1. Costs Incurred:

- Development Costs: Frontend, backend, database setup.
- Hardware and Software: Hosting, domain, and development tools.
- Maintenance: Regular updates, bug fixes, and customer support.

### 2. Revenue Potential:

- Service commissions from providers.
- Premium subscriptions for users and providers.
- Advertising revenue from relevant businesses.

### 3. Budget Analysis:

- The estimated budget aligns with expected returns, ensuring long-term financial sustainability.

## Conclusion

The **ServiceHive** is technically, operationally, and economically feasible. The proposed platform leverages established technologies and provides significant benefits to users and service providers. The project is expected to align with organizational goals, ensuring scalability and long-term success.