

# **FEASIBILITY STUDY**

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INMCA S9

# **FEASIBILITY STUDY**

This assessment is a fundamental method for determining if the project will achieve the goals of the organization in relation to the resources, labour, and time invested in it. It aids the designer in determining the project's potential focus points and long-term outcomes. A possibility analysis must be done to determine whether a proposed framework is feasible and advantageous for advance examination. The ability of the proposed system to meet client demands, the association's influence, and resource efficiency are all evaluated as part of the potential consideration. Achievability analysis is thus usually carried out after approval for the creation of a new application. The extension's technical, budgetary, and operational justifications are roughly equivalent.

## **TYPES OF FEASIBILITY**

### **TECHNICAL FEASIBILITY**

Technical feasibility refers to the evaluation process that assesses if it is feasible to produce and deploy a product or service utilizing current technology and resources. The proposed plan's tools, materials, labour, logistics, and technology are examined as part of the technical feasibility analysis to gauge how successful it would be. Before beginning the task, it is important to identify and handle any potential project concerns. Technical feasibility can help in visualizing the system's process by making a flowchart of the product or service's development.

This website is technically feasible as it uses latest web technologies to develop the system. The technologies used can be made accomplished to user requirements in the software within the allocated time and budget, and also new updates can be performed.

The technical requirements for the system are:

- Python Django is used as the backend technology
- Html, CSS and JavaScript as the frontend technology

The latest web technologies are used to develop the system. The technologies used can be made accomplished to user requirements in the software within the allocated time and budget, and also new updates can be performed.

- Is the project feasible within the limits of current technology.  
Yes
- Technical issues raised during the investigation are:  
Nothing
- Can the technology be easily applied to current problems?  
Yes
- Does the technology have the capacity to handle the solution?  
Yes

## **OPERATIONAL FEASIBILITY**

The website's operational feasibility assessment includes determining the practicality and viability of its activities. The study's goal is to establish if the proposed website can be built, launched, and maintained efficiently. To provide a pleasant user experience, it also examines the integration of secure payment methods and user-friendly interfaces. The operational feasibility study gives crucial insights for decision-makers to determine the viability of building and sustaining a successful cloth e-commerce website by examining technological capabilities, staff skills, and probable problems. the organization is satisfied by the alternative solutions proposed by the software development team.

The site is operationally feasible because it allows for automated and streamlined processes, reducing the need for manual interventions in various aspects of the business. With advanced technologies and robust platforms, tasks such as inventory management, order processing, and payment transactions can be efficiently handled, improving operational efficiency and reducing human errors.

- Is there sufficient support for the users?

Yes

- Will the proposed system cause harm?

No

## **ECONOMIC FEASIBILITY**

The process of evaluating a new project's economic viability in terms of time and financial commitment is essential. It entails a careful examination of all elements that may have an impact on the initiative's outcome. Following a cost-benefit study, it was determined that the suggested solution, SwapZone, is both practical and cost-effective given the project's presumptive cost.

This system is economically feasible as it reduces a lot of manual works making it automatic and user friendly. Different cost categories, comprising labour costs, computer costs, equipment and supplies costs, expenses associated with implementing new software and computer equipment, costs for system evaluation, website coding, and database design, were evaluated to establish the development cost of the system. Typically, they are one-time expenses that cease to exist when the project is completed. Since this is an academic project all these costs are saved and as a result no expenses are incurred. We are able to make sure that the system's development is economically feasible and will produce a good return on investment by doing an exhaustive examination of these cost categories.