Feasibility Study

This analysis is a fundamental step in determining if a project will meet the association's goals in relation to the resources, effort, and time invested in it. It aids the designer in determining the project's potential focus points and long-term outcomes. To find out if a given framework is feasible and advantageous for further research, it is necessary to consider all options, impact of the proposed system on the association, assessments of resource efficiency, client satisfaction, and capabilities to meet client requests all form part of the contemplate the prospect. Consequently, an achievability analysis is conducted on a regular basis. Recently, approval was provided for the creation of a contemporary application. The specific, monetary, and operational justification of the scope is as it were.

Economic Feasibility

In order to assess a new project's value in terms of time and money commitment, it is essential to conduct an economic feasibility analysis. It entails a careful examination of every issue that could affect the initiative's outcome. The suggested system, Sleek Mart, has undergone cost-benefit analysis and is proven to be both practical and cost-effective given the project's presumptive cost.

Various cost categories were evaluated, including labour costs, computer costs, supplies and equipment costs, charges for implementing new software and computer equipment, system analysis, website coding costs, and database design costs, to establish the system's development cost. These are often one-time costs that won't be incurred again once the project is complete. These cost categories can be thoroughly examined in order to make sure the system's development is feasible from an economic standpoint and will provide a profit.

1. The cost conduct a full system investigation?

The proposed system is developed as part of the project work, there is no manual cost to spend for the proposed system.

2. The cost of hardware and software?

All the resources are already available

Technical Feasibility

Technical feasibility is the process of evaluating whether it is feasible to create and deploy a good or service with the technology and resources currently in use. The proposed plan's tools, materials, labour, logistics, and technology are examined as part of the technical feasibility analysis to gauge how effective 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.

The Sleek Mart is simple to use and doesn't need much instruction because it is self-explanatory. Even for first-time users, the application is simple to use. The technology is easily accessible, saving clients' money, with only the time spent online being wasted. It is technically feasible due to reliable eCommerce frameworks, secure payment gateways, responsive design, and efficient inventory and user management. Continuous improvement using feedback and analytics further enhances its viability as a successful online home appliance store.

1. Is the project feasible within the limits of current technology?

   Yes

2. Technical issues raised during investigation are:

   Nothing

3. Can the technology be easily applied to current problem?

   Yes

4. Does the technology have the capacity to handle the solution?

   Yes

Behavioural Feasibility

Behavioural feasibility refers to the assessment of whether a proposed project or system aligns with the organization's culture, existing processes, and the willingness of users to adopt and adapt to the changes brought about by the project. It evaluates the human and behavioural aspects of implementing the project and addresses potential challenges related to acceptance, resistance, and support from stakeholders and end-users.

Two crucial considerations have been made in order to guarantee the system's success:

(1) if users will have enough assistance, and

(2) whether the system will be harmful.

To make sure that the system will be useful after implementation, these issues were carefully examined. Additionally, to make sure the project is behaviourally feasible, all behavioural elements were considered throughout the feasibility assessment. Overall, it is anticipated that the proposed system will be highly successful in achieving its goals. It is behaviourally feasible due to its user-friendly interface, convenient shopping experience, efficient order processing, and seller engagement.

1. Is there sufficient support for the users?

   Yes

2. Will the proposed system cause harm?

   No