Feasibility Study

The viability of carrying out a project effectively is referred to as feasibility. It is evaluated using a feasibility study, which ascertains whether the suggested approach to fulfilling requirements is practical and doable in the context of software. This analysis takes into account variables such resource accessibility, software development costs, possible post-completion advantages to the firm, and ongoing maintenance costs. A report that suggests whether to move further with the requirements engineering and system development process is the result of the feasibility study.

Technical feasibility

Technical feasibility refers to the assessment of whether a proposed project, product, or solution can be successfully implemented using the available technology and resources. It involves evaluating whether the technology required for the project is accessible, reliable, and capable of fulfilling the project's objectives.

The technical feasibility of an e-commerce spices store involves evaluating the practicality of creating a user-friendly website with efficient search and checkout features. Security, scalability, and mobile responsiveness are crucial for a seamless shopping experience. Integration with reliable payment gateways and inventory management ensures smooth transactions.

• 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

Operational feasibility is the determination of whether a proposed project or system can be successfully incorporated into the workflow, processes, and business operations already in place. It looks at whether the organization is able and willing to accept and use the new system without encountering too much disruption or resistance.

The e-commerce spices store is operationally feasible if it effectively addresses user needs and business concerns related to selling spices online. It must provide a seamless and

efficient shopping experience for customers, allowing them to find and purchase spices easily. The system should be user-friendly and intuitive, requiring minimal training for users to adapt to the platform. Any anticipated difficulties in meeting user requirements should be identified and resolved appropriately.

The proposed system includes the following questions:

 • Is there sufficient support for the users?

 ➢ Yes

•Will the proposed system cause harm?

➢ No

Economic feasibility

Economic feasibility is one of the most important aspects in the planning of a SHP- project. Even though it necessitates significant recurring expenditure, a SHP project generates income throughout the course of its existence. Therefore, conducting economic and financial analysis is quite important.

The e-commerce spices store is financially feasible by offering high-quality spices at competitive prices, attracting a broad customer base, and managing costs efficiently. Strategic marketing, secure payment options, and streamlined shipping contribute to profitability and customer satisfaction, ensuring long-term growth and success.Some queries are raised during the investigation includes the following:

 • The costs conduct a full system investigation?

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

 • The cost of the hardware and software?

➢ All the resources are already available.