WAREFLOW
FEASIBILITY STUDY

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Project: WAREFLOW

Feasibility Study

A feasibility study aims to determine whether the proposed project can effectively meet the organization's objectives concerning resources, labor, and time. It allows developers to predict the project's viability and potential success. The study primarily evaluates the proposed system's viability, including its impact on the organization, ability to meet user requirements, and efficient resource utilization. Therefore, before approving the development of a new application, conducting a feasibility assessment is a standard practice. This document explores the project's viability and carefully examines essential factors like technical, economic, and operational feasibilities, which were thoroughly evaluated during the feasibility study of this project.

Technical Feasibility:

Assessing the technical feasibility of a project presents a challenging aspect during the feasibility study. The foundation for this assessment lies in the outline design of the system requirements, including inputs, outputs, programs, and procedures. Once the outline is established, further investigation is carried out to identify the necessary equipment.

Upon designing the system, there are several ways to execute it. Now, let's address the technical feasibility questions:

- Is the project feasible within the limits of current technology?

Yes, the project is feasible within the current technological capabilities.

- Were there any technical issues raised during the investigation?

No, no technical issues were identified during the investigation.

- Can the technology be easily applied to current problems?

Yes, the technology can be readily applied to address current problems.

- Does the technology have the capacity to handle the solution?

Yes, the technology has the capability to handle the proposed solution effectively.

Economic Feasibility:

Before a company decides to fund a project, they conduct an analysis to assess its value in terms of time and financial investment. This evaluation helps determine if the project's cost is justified and if it will bring benefits to the company. It also aids in determining the project's potential profitability.

This system offers a fully online platform that is user-friendly, making it economically feasible. During the investigation, certain queries were raised, and the responses are as follows:

- The costs to conduct a full system investigation?

The proposed system is developed as part of a project, so there are no additional manual costs incurred for its implementation.

- The cost of hardware and software?

All the necessary hardware and software resources are already available, eliminating the need for any additional expenditure.

Operational Feasibility:

Operational feasibility assesses if a proposed project can be effectively integrated into an organization's existing operations. It evaluates practicality, usability, and alignment with objectives. It checks if the organization has the resources and willingness to adopt the solution.

- Is the WMS project operationally feasible in terms of implementation and day-to-day operations?

Yes, the WMS project is operationally feasible and can be effectively implemented to support the daily warehouse operations.

- Were there any operational challenges identified during the assessment?

No, there were no significant operational challenges identified during the feasibility study.

- Will the WMS project integrate well with existing processes and systems?

Yes, the WMS project is designed to seamlessly integrate with existing processes and systems, ensuring smooth operations.

- Can the organization easily adapt to the changes brought by the WMS implementation?

Yes, the organization has the capability to adapt to the changes introduced by the WMS implementation without significant disruptions.

Behavioral Feasibility

The proposed system's behavioral feasibility has been thoroughly assessed with the following considerations:

- Is there sufficient user support?

Yes, there is adequate user support for the proposed system.

- Will the proposed system cause harm?

No, the proposed system is not expected to cause any harm.

The project is deemed beneficial as it fulfills the objectives upon development and installation. All behavioral aspects have been carefully evaluated, leading to the conclusion that the project is behaviorally feasible.

SYSTEM SPECIFICATION

Hardware Specification

Processor - 12th Gen Intel(R) Core (TM) i3-1240P 1.70 GHz

RAM - 8 G B (7.68 GB usable)

Hard disk - 1 T B

Software Specification

Front End - HTML, CSS

Backend – MongoDB

Client on PC - Windows 7 and above.

Technologies used - JS, HTML5, CSS, Python, Django