Feasibility Study

A feasibility study is conducted to determine whether the project will, upon completion, fulfil the objectives of the organization in relation to the work, effort, and time invested in it. A feasibility study enables the developer to predict the project's usefulness and potential future. The premise for a feasibility study is the system proposal's viability, which includes Ohe impact on the organisation, ability to meet user needs, and effective use of resources. AO a result, before a new application is accepted for development, it often undergoes a feasibility assessment.

The document outlines the project's viability and contains a number of factors that were carefully considered throughout this project's feasibility study, including its technical, economic, and operational viabilities. It has the following characteristics:

1. **Economic Feasibility**

   Economic feasibility analysis assesses whether a project aligns with an organization's financial objectives. It includes cost estimation, revenue projection, profitability assessment, risk evaluation, and comparison with alternatives. The analysis determines if a project will yield positive returns, when they will be realized, and how it responds to changes in key variables. Ultimately, it informs decisions about project viability, funding, and adjustments to enhance financial feasibility.

   Based on these findings, it is recommended to proceed with the development and implementation of the Online Pharmacy Management System. The project not only promises to enhance operational efficiency and customer satisfaction but also make it economically feasible and beneficial. In this project: Online Pharmacy Management System the cost is divided into; system costs, development costs and hosting costs. All collections indicate that the project was developed at a modest cost. As open-source software was used to develop it entirely.

   1. Do the resources needed the exist?

      Yes. The availability of economic resources for the pharmacy management system project should align with the project's financial requirements and the organization's capacity to fund and sustain it. By the conducted economic feasibility assessment the existing necessary resources for the development of the project is determined.

   2. Will the proposed health service or intiative lead to better use of resources to improve health outcomes, when compared with the options?

Yes. To determine whether the proposed health service or initiative will lead to better use of resources and improved health outcomes compared to other options, a comprehensive cost-effectiveness analysis and outcome evaluation are essential which is done through economical feasibility.

2. Technical Feasibility

Technical feasibility analysis evaluates whether a proposed project can be successfully implemented from a technological perspective. It assesses whether the required technology, resources, and expertise are available or can be feasibly acquired. This analysis considers factors like system compatibility, infrastructure, software and hardware requirements, and the availability of skilled personnel. It helps determine if the project can be technically executed within constraints and if it aligns with the organization's technical capabilities and objectives.

Technical feasibility is a critical assessment of whether the Online Pharmacy Management System can be successfully developed, implemented, and operated from a technical perspective. These infrastructure components meet the system's requirements for hosting, data storage, and network connectivity. Python, the selected programming language, is robust and widely used for web application development. The required technical infrastructure and technology stack are readily available and suitable for the project's needs. The project's technical feasibility ensures that it can be effectively developed, deployed, and maintained to meet its objectives.

1. Do stakeholders have the expertise needed?

   Yes. The expertise of stakeholders is a critical factor. It is essential to assess whether the stakeholders possess the required expertise for various aspects of the project.

2. Are the additional resources needed in the health system including infrastructure, skills-sets, or job aids?

   Yes. The need for additional resources will depend on the complexity of the project, the existing capabilities of the healthcare system, and the project's specific goals. The conducted assessment of the factors to determine the precise resource requirements for the successful implementation of the pharmacy management system id oe

3. Is the health system ready in terms of requirements?

   Yes, it's ready. Readiness for implementing a pharmacy management system is a multidimensional assessment that encompasses technical, regulatory,

organizational, and human factors. Addressing the considerations will help ensure a smoother and more successful implementation process.

3. Operational Feasibility

Operational feasibility assesses whether a project can be effectively operated and maintained once implemented. It involves evaluating resource availability, skill and expertise, process integration, system reliability, ongoing costs, user adoption, and compliance. This analysis ensures that the organization has the necessary resources, capabilities, and processes to support the project's long-term operation and align it with its goals.

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1. Do existing health system procedures and protocols support the new service or initiative?

   Yes. The rules and steps in the existing system support the new service or if changes are needed. This ensures that the new service doesn't disrupt the normal work and follows all the health rules. If changes are needed, they're made in a way that doesn't cause problems for patients and staff.

2. How will key collaborators be involved?

   For an online pharmacy management system, key collaborators, such as pharmacists, healthcare providers, and IT experts, are crucial team members who work together to make sure the system benefits both patients and healthcare professionals. They help design the system to fit the pharmacy's needs and workflow, and they test it to make sure it works well. By working together, they aim to improve the way the online pharmacy operates and provides care to customers.