Feasibility Study

Feasibility study is made to see if the project on completion will serve the purpose of the organization for the amount of work, effort and the time that spend on it. Feasibility study lets the developer foresee the future of the project and the usefulness. A feasibility study of a system proposal is according to its workability, which is the impact on the organization, ability to meet their user needs and effective use of resources. Thus, when a new application is proposed it normally goes through a feasibility study before it is approved for development.

The document provides the feasibility of the project that is being designed and lists various areas that were considered very carefully during the feasibility study of this project such as Technical, Economic and Operational feasibilities. The objective of the feasibility study is to establish the reasons for developing the software that is acceptable to users, adaptable to change and conformable to established standards.

Technical Feasibility

Technical feasibility assesses the current resources (such as hardware and software) and technology, which are required to accomplish user requirements in the software within the allocated time and budget. The system must be evaluated from the technical point of view first.

The assessment of this feasibility must be based on an outline design of the system requirement in the terms of input, output, programs and procedures. Having identified an outline system, the investigation must go on to suggest the type of equipment, required method developing the system, of running the system once it has been designed.

Technical issues raised during the investigation are:
- Does the existing technology sufficient for the suggested one?
- Can the system expand if developed?

The project should be developed such that the necessary functions and performance are achieved within the constraints. The system has been developed using HTML, CSS and JavaScript in frontend for highly responsive website and PHP in back end.
MySQL is used as the database; the project is technically feasible for development.
The System used was also of good performance of Processor Intel i3 core; RAM 4GB and, Hard disk 1TB

Operational Feasibility

Operational feasibility assesses the extent to which the required software performs a series of steps to solve business problems and user requirements. This feasibility is dependent on human resources and involves visualizing whether the software will operate after it is developed and be operative once it is installed.

This system is operationally feasible because:

- ➢ It is designed specifically for stationery items.
- ➢ Provides consistent and integrated data management.
- ➢ Provides end users and all other users with the accurate, formatted and useful information.
- ➢ It is flexible, expandable and is available 24*7.
- ➢ It is built in such a way, end users and management can adapt to change easily.

Economic Feasibility

Economic feasibility determines whether the required software is capable of generating financial gains for an organization. The developing system must be justified by cost and benefit.

The proposed system is economically feasible. It provides the following benefits:

- ➢ Reduces the processing time as compared to buying products offline.
- ➢ Reduces the workload and there are various payment methods rather than payment by cash.
- ➢ More variety of products are available.
- ➢ Administration will be effective.
- ➢ For sellers, it is a platform for getting more customers.
- ➢ For customers, this site will be vey userfriendly, customer oriented and easy to use.

The cost of project was divided according to the system used, its development cost and cost for hosting the project. According to all the calculations the project was developed in a low cost as it is completely developed using open source software.