

FEASIBILITY STUDY

Ansu Maria Varghese
Albin Varghese
Justin Sebastian
DDMCA S10

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.

- How would the organisation cope if this system was not implemented?

The main contribution of the system is that each user can have a wide reachability to a variety of designs from a large pool of well-equipped team . If the system was not implemented, all the work has to be done manually and physical presence is required to complete various requirements.

- What are the problems with current processes and how would a new system help alleviate these problems?

The current system faces the problem of reachability and communication between users and its very time consuming.

- What direct contribution will the system make to the business objectives and requirements?

This newly developed system reduce time, increases security, people to get more information about the services without coming to the stadium. These will be make business objectives like user attraction and retention.

- What must be supported by the system and what need not be supported?

The system requires new technology that is not previously used in the organization. The system must support features like security and credibility of the users account, up-to date notifications must be provided. Designers, Customers with fake identities should not be able to register with the portal.

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 following are its features:

Economical Feasibility

The developing system must be justified by cost and benefit. Criteria to ensure that effort is concentrated on project, which will give best, return at the earliest. One of the factors, which

affect the development of a new system, is the cost it would require. The following are some of the important financial questions asked during preliminary investigation

- The costs conduct a full system investigation.
- The cost of the hardware and software.
- The benefits in the form of reduced costs or fewer costly errors.

Since the system is developed as part of project work, there is no manual cost to spend for the proposed system. Also all the resources are already available, it give an indication of the system is economically possible for development.

The cost of project, designs 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 the only cost was spent for hosting the project which is affordable the project was developed in a low cost. As it is completely developed, using open source software the only cost was spent for hosting the project, which is affordable.

Technical Feasibility

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 methods for developing the system, running the system once it has been designed. Considering that are normally associated with the technical feasibility include:

- Development risk
- Resource Availability
- Technology

➤ Does the organization have the capabilities and resources to undertake the project?
Yes, it have sufficient resources to implement software. So the system may be developed very easy. The project should be developed such that the necessary functions and performance are achieved within the constraints.

➤ Analyses the technical skills and capabilities of the software development team?

The system has been developed using PHP in front end with Laraval framework and MySQL in back end, the project is technically feasible for development. Laravel is a powerful MVC PHP framework, designed for developers who need a simple and elegant toolkit to create full-featured web applications

- Determines whether the relevant technology is stable and established?

We use relevant technology for this system. The system has been developed by using some technologies like HTML5, AJAX, J Query, PHP, and CSS.

The reports and results for various queries can be generated easily. And for development of project it uses only existing software technology. Therefore, the system is technically feasible. The System used was also of good performance of Processor Intel Core i3; RAM 4GB and, Hard disk 1TB.

Operational Feasibility

Operational feasibility refers to the measure of solving problems with the help of a new proposed system. It helps in taking advantage of the opportunities and fulfills the requirements as identified during the development of the project. It takes care that the management and the users support the project.

- Determines the problems in user requirements?

The user may suggest some requirements for this system. That requirements are implemented by developer. So that no problem regarding requirements.

- Analyses whether the user adapt the new software?

The system working is quite easy to use and learn due to its simple but attractive interface. User requires no special training for operating the system.

- Determines whether the organization is satisfied by the alternative solutions proposed by the software development team?

Yes of course, the users are completely satisfied with the system.

The purpose of the operational feasibility study is to determine whether the new system will be used if it is developed and implemented. And whether there will be resistance from users that will undermine the possible application benefits. There was no difficulty in, implementing the system and the proposed system is so effective, user friendly and functionally reliable so that the user in the company will find that the new system reduce their hard steps. If the users of the system are fully aware of the internal working of the system then the users will not be facing any problem in running the system.

System Requirement Specification

SOFTWARE REQUIREMENT

Front End	:	PHP
Back End	:	MYSQL

Client on PC : Windows 10

Technologies used : JS, HTML5, AJAX, J Query, PHP, CSS

HARDWARE REQUIREMENT

Processor : Intel core i3

RAM : 8 GB

Hard disk : 500 GB