

FEASIBILITY STUDY

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FEASIBILITY STUDY

The 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, the 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 organization cope if this system was not implemented?

If the system was not implemented, some of the work has to be done manually and physical presence is required to complete various requirements which increases the human effort, consumes time and cost and the booking of stadium,tickets and coaching facilities could not be found under a single rooftop and is not user- friendly.

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

The current system does not have the facility to book ticket, stadium and no option for selecting the coaching time slot as they require. Even though these facilities are provided in the existing system they are not provided under a single rooftop.

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

The newly developing system has the facility to book ticket, stadium, an option for selecting the coaching time slot as they require under a single rooftop. It's a user-friendly system which provides different types of tickets, reduces time, increases security by providing two-way authentication. These features will increase business views of the system -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 a 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 the 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 on the proposed system. Also, all the resources are already available, it gives an indication of the system is economically possible for development.

The cost of the project, designs were divided according to the system used, its development cost and cost for hosting the project According to all the calculations the project was developed at a low cost. As it is completely developed using open source software the only cost was spent on hosting the project which is affordable the project was developed at a low cost and 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 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 has 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 the front end with Laraval framework and MySQL in the 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, JQuery, PHP, and CSS.

The reports and results for various queries can be generated easily. And for development of the project, it uses only existing software technology. Therefore, the system is technically feasible. The System used was also of the 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 the developer. So that no problem regarding requirements.

- Analyses whether the user adapts the new software?

The system working is quite easy to use and learn due to its simple but attractive interface. The 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 reduces 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, JQuery, PHP, CSS

HARDWARE REQUIREMENT

Processor: Intel Core i3

RAM: 8 GB

Hard disk: 500 GB