

# **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.

If the system was not implemented, all the work has to be done manually and physical presence is required to complete various requirements. The current system faces the problem of reachability and communication between users and its very time consuming. The main contribution of the system is that each user can have a wide reachability to a variety of resources from a large pool of well-equipped team. 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. Builders, 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:

## **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.

The project should be developed such that the necessary functions and performance are achieved within the constraints. The current technology using is relevant and well established, though the technology may become obsolete after some period, because newer version of same software supports older versions, the system may still be used. Therefore, there are minimal constraints involved with this project. 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 The System used was also of good performance of Processor Intel Core i3; RAM 4GB and, Hard disk 1TB.

### **Economic 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.

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, 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.

### **Operational Feasibility**

The problems anticipated in user requirements are:

- Is there sufficient support for the users?
- Will the proposed system cause harm?

Solutions proposed are acceptable, because this system support sufficient to handle the problems. The solutions suggested by the proposed system such as satisfying the user requirements, time management etc. are acceptable.