

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 problems of reachability and communication among the authorities and the users and also the existing system is very time consuming. The main contribution of the system is that the users can take appointments based on the availability of the doctors thereby reducing their effort. The system must support features like security and credibility of the users account, up-to-date notifications must be provided. The family which doesn't belong to the locality should not be able to register to 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:

Economic Feasibility

The health centre portal is 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 health centre portal 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.

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 method for developing the system, 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 current technology using is relevant and well established, though the technology may become obsolete after some period of time, due to the fact that newer version of same software supports older versions, the system may still be used. So there are minimal constraints involved with this project. The system has been developed using PHP in front end

and MySQL in back end, the project is technically feasible for development. The System used was also of good performance of Processor Intel core i5; RAM 6GB and, Hard disk 1TB.

Operational Feasibility

This includes the following questions:

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

The solution suggested by the proposed system i.e., satisfying the basic requirements of the users, time management, etc. are acceptable. The users can easily adapt to the proposed system as it is more convenient and user friendly.