**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. A feasibility study is conducted to select the best system that meets the system performance requirements. This entitles an identification description, an evaluation of candidate systems and the selection of the best system for the job. It also helps in identifying the risk factors involved in developing and deploying the system. So a feasibility study is a report which could be used by the senior or top persons in the organization. This is because based on the report the organization decides about cost estimation, funding and other important decisions which is very essential for an organization to run profitably and for the system to run stable.

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 also 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.

**Economical Feasibility**

Economic feasibility analysis is the most commonly used method for determining the efficiency of a new project. It is also known as cost analysis. It helps in identifying profit against investment expected from a project. Cost and time are the most essential factors involved in this field of study. 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. It contains more features than the existing system.

The Tourist Guide software production needs various costs like system costs. The system cost may be classified into different categories including developing cost, on-going operational cost, fixed cost and variable cost. 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.

By avoiding these costs we have to improve the quality of work or to permit new activities to be undertaken and common performance benefits might be error reduction, increased speed of activity, and access to information that was not previously available.

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.

**Technical Feasibility**

It helps organizations determine whether the technical resources meet capacity and whether the technical team is capable of converting the ideas into working systems. Technical feasibility also involves evaluation of the hardware, software, and other technology requirements of the proposed system.

The users have the capability and resources to undertake the Tourist guide system. The system doesn’t need any other resources they have the capability to access our system with their own existing computer and proper internet connection.

The project should be developed such that the necessary functions and performance are achieved within the constraints. Through 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 Server in back end, the project is technically feasible for development.

Technical issues raised during the investigation are:

• Does the existing technology sufficient for the suggested one?

• Can the system expand if developed?

**Operational Feasibility**

Economic feasibility determines whether the required software is capable of generating financial gains for an organization. It involves the cost incurred on the software development team, estimated cost of hardware and software, cost of performing feasibility study, and so on.

The organization is satisfied by the alternative solution proposed by the software development team. Our proposed system works to minimize the human errors, take less time, easy interaction with user, bug free The project would be beneficial because it satisfies the objectives when developed and installed. All behavioral aspects are considered carefully and conclude that the project is behaviorally feasible. Tourist guide, GUI is simple so that users can easily use it. The users can easily adapt to the proposed system as it is more convenient and user friendly.