**FEASIBILITY STUDY**

A feasibility study is an analysis used in measuring the ability and likelihood to complete a project successfully including all relevant factors. It must account for factors that affect it such as economic, technological, legal and scheduling factors.

Preliminary investigation examine project feasibility, the likelihood the system will be useful to the organization. The main objective of the feasibility study is to test the Technical, Operational and Economical feasibility for adding new modules and debugging old running system. All system is feasible if they are unlimited resources and infinite time. There are aspects in the feasibility study portion of the preliminary investigation:

* Technical Feasibility
* Operational Feasibility
* Economic Feasibility

**Technical Feasibility**

The technical issue usually raised during the feasibility stage of the investigation includes the following:

The system must be evaluated from the technical point of view first. The system has been developed using Php in front end and MySQL in the back end. The language is supported in the latest operating system. The database’s purpose is to create, establish and maintain a workflow among various entities in order to facilitate all concerned users in their various capacities or roles. Permission to the users would be granted based on the roles specified. Therefore, it provides the technical guarantee of accuracy, reliability and security. The software and hard requirements for the development of this project are not many and are already available in-house or are available as free as open source. The work for the project is done with the current equipment and existing software technology. Necessary bandwidth exists for providing a fast feedback to the users irrespective of the number of users using the system.

So we can say that the backwater tourism system is technically feasible.

**Operational Feasibility**

It is used to identify the importance of certain problem in project and how it is solved.It also measures how solution of problems will work for any project or in any organization. It analysis the behavior of the proposed system.Whether the proposed sytem is easier than the existing system for the users of the system. Proposed projects are beneficial only if they can be turned out into information system. That will meet the organization’s operating requirements. Operational feasibility aspects of the project are to be taken as an important part of the project implementation.

The well-planned design would ensure the optimal utilization of the computer resources and would help in the improvement of performance status.

**Economic Feasibility**

A system can be developed technically and that will be used if installed must still be a good investment for the organization. In the economic feasibility, the development cost in creating the system is evaluated against the ultimate benefit derived from the new systems. Financial benefits must equal or exceed the costs.

The backwater system is economically feasible and it is completely free. It does not require any additional hardware or software. Since the interface for this system is developed using the existing resources and technologies available there is nominal expenditure and economically feasibility for certain.