

# **FEASIBILITY STUDY FOR E-RESORT SYSTEM**

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Feasibility study is a test of system proposal according to its workability, impact on organization, ability to meet user needs and effective use of resources. The objective of feasibility study is to acquire a sense of scope of the problem. The primary purpose of a project study is to provide with quantitative and/or qualitative information on the difference the project made at the scientific and community levels. Quantitative information is important as it gives an indication of the extent of the difference the project has made; qualitative information adds depth to the quantitative data by explaining why or why not the project results have been implemented. During the study, the problem definition is crystallized, as aspects of the problems to be included in the system are determined. There are some questions and answers that are important in feasibility study of this project.

## **1. How would be organization scope if this system was not implemented?**

The E-Resort System is implemented for the purpose of reducing the time and effort to find Resort or Hotel from a unknown place. This application will help the users to search for a particular resort by location and it provides the location of the resorts to users phone and guide the users by following the direction displayed on the map to the resort.

## **2. What are the problems with current processes and how would a new system help alleviate this problem?**

The current system is like google maps, where user have to check manually for the nearest service from unknown place. But the in E-Resort System by pressing a single button get the nearest and most suitable resort at instance.

## **3. What direct contribution will the system make to the business objectives and requirements?**

A customer or user can easily get service from his nearest dealer. Thus, the dealers will get more customers from this system.

## **4. Does the system require technology that has not previously been used in the organization?**

This E-Resort system includes opinion mining which is a type of natural language processing for tracking the mood of the public about a particular product

and a GPS software with some of the modern technologies which are already available.

### **5.What must be supported by the system and what needed to be supported?**

System is implemented for the purpose of reducing the time and effort to find Resort or Hotel.This website is a great platform where a customer looking for a good and a easy service. If he is not aware about the current city it will be hard for him to find a Resort.

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 E-Resort 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.

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 E-Resort 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 gives an indication of the system that 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 methods 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 proposed E-Resort system has more features available than the existing systems like google maps. The application can display the detail of the resorts like the phone number, current location, the rating of resort by customers and package details.

The system can be expanded if more requirements are available in future. The system has been developed using HTML as front end, Php as Connectivity and MySQL in back end, for the website and also to develop app for this using android studio, the project is technically feasible for development.

## **OPERATIONAL FEASIBILITY**

Operational feasibility is concerned with the working of the system after its installation. The company has a good record of development, installation and maintenance of systems for its clients. So this system can be installed in the client environment and the company will help in maintenance of the system in future. This includes the following questions:

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

The solutions suggested by the proposed system such as satisfying the user requirements, time management etc. are acceptable. The users can easily adapt to the proposed system as it is more convenient and user friendly. The E-Resort system uses simple user interfaces for ease of use with the user.