Feasibility study

A feasibility study is conducted to determine whether the project will, upon completion. fulfil the objectives of the organization in relation to the work, effort, and time invested in it. A feasibility study enables the developer to predict the project's usefulness and potential future. The premise for a feasibility study is the system proposal's viability, which includes the impact on the organisation, ability to meet user needs, and effective use of resources. As a result, before a new application is accepted for development, it often undergoes a feasibility assessment.

The document outlines the project's viability and contains a number of factors that were carefully taken into account throughout this project's feasibility study, including its technical, economic, and operational viabilities. It has the following characteristics:

Economic Feasibility

Cost and benefit analyses are required to support the emerging system. Criteria's are made to make sure that the focus is placed on the project so that it will yield the best results the earliest. The price that would be involved in developing a new system is one of the variables. During the preliminary investigation, the following are a few significant financial queries:

- The costs conduct a full system investigation.
- The price of the software and hardware.
- The advantages come from lower expenses or less expensive mistakes.

The proposed system was created as part of a project; hence, there are no manual expenses associated with it. Additionally, the fact that all of the resources are already at hand indicates that the system may be developed affordably.

The cost of the **ONLINE CONSTRUCTION MANAGEMENT** project was broken down into three categories: system costs, development costs, and hosting costs. All calculations indicate that the project was developed at a modest cost. As open-source software was used to develop it entirely.

Technical Feasibility

The purpose of this study is to assess the system's technical feasibility or requirements. Any system developed must not significantly tax the existing technical resources. The client will consequently, be subject to high expectations. The developed system must be easy to apply, needing either no changes at all or only a small number.

Behavioural Feasibility

The study's objective is to ascertain the degree of system acceptance by the user. These covers the guidance required for the user to utilize the system correctly. The user should not feel

intimidated by the system; rather, they should see it as a need. The methods used to enlighten and familiarize the user with the system are the sole elements that influence how accepting they are of it. His confidence must be boosted because he is the system's primary user and constructive feedback is welcomed.

Hardware Specification

Processor	- Intel core i3
RAM	- 4 GB
Hard disk	- 1 TB

Software Specification

Front End	- HTML, CSS, Bootstrap, JQuery
Backend	- MYSQL
Client on PC	-Windows 7 and above.
Technologies Used	-JS, HTML5, AJAX, PHP, CSS