3.1 **FEASIBILITY STUDY:**

A feasibility study is defined as an evaluation or analysis of the potential impact of a proposed project or program. A feasibility study is conducted to assist decision makers in determining whether or not to implement a particular project or program. The feasibility study is based on extensive research on both the current practises and the proposed project or program and will contain extensive data related to financial and operational impact.

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.

**3.1.1 TECHNICAL FEASIBILITY:**

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

**\***Does the necessary technology exist to do what is suggested?

**\***Do the proposed equipment’s have the technical capacity to hold the data requirement to use the new system?

**\***Will the proposed system provide adequate response to inquiries, regardless of the number or location of users?

**\***Can the system be upgraded if developed?

**\***Are there technical guaranties of accuracy, reliability, ease of access and data security?

The current system developed is technically feasible. It is a web-based user interface. Thus, it provides an easy access to the users. 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 hardware requirements for the development of this project are not many and 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.

**3.1.2 OPERATIONAL FEASIBILITY:**

Proposed projects are beneficial only if they can be turned out 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. Some of the important issues raised are to test the operational feasibility of a project includes the following: -

* Is there sufficient support for the management from the users?
* will the system be used and work properly if it is being developed and implemented?
* will there be any resistance from the user that will undermine the possible application benefits?

The system is targeted to be in accordance with the above-mentioned issues. Beforehand, the management issues and the user requirements have been taken into consideration. So, there is no question of resistance from the users that can be undermine the possible application benefits.

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

**3.1.3 ECONOMIC FEASIBILITY:**

A system can be developed technically and that will be used if installed must still be a good investment for the organisation. In the economical 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 system is economically feasible. It does not require any addition hardware or software. Since the interface for this system is developed using the existing resources and technologies available. There is nominal expenditure and economical feasibility is certain.

**3.1.4 SCHEDULE FEASIBILITY:**

This involves whether the project is feasible enough to be completed within the stipulated time. Schedule feasibility depends on

1. Total time required to develop the project.
2. Time Availability.

**3.1.5 MANAGEMENT FEASIBILITY:**

Once the existence of a problem is acknowledged and the need for solution is agreed upon, it is necessary to establish that a solution to a problem is feasible. For this, a study is conducted.

The study of a system is initiated by management to check whether the proposed computerized solution is technically, economically, socially and operationally feasible. Management usually initiates this by giving a formal go-ahead to conduct the study.

Conclusion: From the observation made in the feasibility study, it was recommended that the proposed Craft Management System is feasible for its development and implementation.