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## Feasibility Study

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- Feasibility is defined as the practical extent to which a project can be performed successfully. Feasibility study is a study, that establishes whether conditions are right to implement a particular project. This type of study determines if a project can and should be taken or not. Once it has been determined that project is feasible, the analyst can go ahead and prepare the project specification which finalizes project requirements.
- There were 2 definitions selected and they are as follows.

### 1. Medical Digitization

- The purpose behind the idea was to store the patient's details and past records so that whenever patient visits the hospital, doctor should have past records of the patient such as allergies, any disease, etc. Also, it will help government in getting statistics regarding health of the people of the country.

### 2. DAIICT Utilities

- The main purpose behind the idea was to develop a system for the DAIICT students which will provide several services such as sell/buy items, arranging sessions. This will also help special committees in arranging sessions

- ☐ After doing feasibility study we found that the medical digitization was not operationally feasible as there was no assurance that doctors will use this system.
- ☐ And, after doing the feasibility study of the DAIICT Utilities system we found that it was operational, economical and technically feasible as stated below:

## **1 Technical Feasibility**

- 1.1 Technical feasibility assesses the current resources (such as hardware and software) and technology, which are required to accomplish user requirements in the software within the allocated time and budget.**
- 1.2 The system only requires a computer device/mobile with an active internet connection to function properly.**
- 1.3 The website should work well on the web and gives all the functionalities that the client wants.**
- 1.4 A server is needed which will host the website and store the data which is confined to DA-IICT domain.**
- 1.5 Also, the developing team is aware and experienced as far as programming languages and logics are considered.**

## **2 Economic Feasibility**

- 2.1 The proposed system is feasible and is economical.**
- 2.2 One of the cost of this system is only of the hosting the site which can be hosted on the college server, so it is cost friendly.**
- 2.3 Moreover, the targeted users also don't have to pay or incur any charge to use this utility project.**

## **3 Operational Feasibility**

- 3.1 Operational feasibility is the measure of how well a proposed system solves the problems. That is, if the system is developed, will it be used?**
- 3.2 There are two aspects of operational feasibility to be considered:**
  - 3.2.1 Is the problem worth solving?**
  - 3.2.2 How do the end user and management feel about the problem.**
- 3.3 As in this project, the users being students of DA-IICT itself, it would be convenient for them.**