# Feasibility Study

This analysis is a fundamental step in determining if a project will meet the association's goals in relation to the resources, effort, and time invested in it. It aids the designer in determining the project's potential focus points and long-term outcomes. A possibility analysis must be done to determine whether a proposed framework is feasible and advantageous for advance examination. The ability of the proposed system to meet client demands, the association's influence, and resource efficiency are all evaluated as part of the potential consideration. Achievability analysis is thus usually carried out after approval for the creation of a new application. According to the possibilities considered document, many of the factors that were carefully considered throughout the assessment were the extent's technical, financial, and operational viability.

## Economic feasibility

The economic feasibility analysis is a crucial process in determining the worth of a new project in terms of cost and time investment. It involves a thorough analysis of all factors that can influence the success of the initiative. The economic feasibility of the ElectroCOm project is strong. The project has the potential to generate significant revenue from the sale of products and services. The project also has the potential to save users money on shipping and other costs. The initial investment in the project is relatively low, and the project is expected to be profitable within a few years. The large and growing market for online electronics sales is a key factor that supports the economic feasibility of the project. The use of blockchain technology to improve security and reduce fraud is another key factor. The low cost of development and hosting the website is also a positive factor. Finally, the potential to save users money on shipping and other costs could help to attract customers and increase revenue. Of course, there are some factors that could affect the economic feasibility of the project. The cost of marketing and promoting the website could be high, and the cost of customer support could also be a factor. Additionally, the project will need to comply with government regulations, which could add to the cost of doing business. Overall, the economic feasibility of the ElectroCOm project is strong. The project has the potential to be a profitable business venture.

Q: The costs conduct a full system investigation?
A: There is no cost for development as this is a college project
Q: The cost of the hardware and software?
A: All the resources are already available

## Technical feasibility

The technical feasibility of the ElectroCOm project is strong. The project can be developed using well-established technologies with a large community of users, such as Mongo, Node.js, Express, React, and Blockchain. The project can be developed using well-established technologies with a large community of users, such as Mongo, Node.js, Express, React, and Blockchain. The project team has the technical skills and experience to develop the project using these technologies. The project will need to store a large amount of data, and Mongo is a NoSQL database that is well-suited for this task. Node.js is a JavaScript runtime environment that is used to develop scalable and efficient web applications, and Express is a web framework that makes it easy to expose the functionality of the project to other applications and services. React is a JavaScript library that is used to build user interfaces, and Blockchain is a distributed ledger technology that can be used to track the ownership of digital assets.

Q: Is the project feasible within the limits of current technology?
A: Yes
Q: Technical issues raised during the investigation are:
A: Nothing
Q: Can the technology be easily applied to current problems?
A:  Yes
Q: Does the technology have the capacity to handle the solution?
A: Yes

## Operational Feasibility

Operational feasibility is an important factor to consider when evaluating the viability of a software development project. It assesses whether the software will be able to solve the business problems that it is intended to solve, and whether it will be accepted by the users.
The software will be an eCommerce website that allows users to buy and sell electronic equipment. The software will be able to solve the following problems:

- Make it easy for users to find the products they are looking for.
- Provide a secure way for users to make payments.
- Track the shipping of products.

Is there sufficient support for the users?

➢ Yes

• Will the proposed system cause harm?

➢ No