

### **3.1 FEASIBILITY STUDY**

The performance of a feasibility study is carried out with the aim of ascertaining whether, when fully executed, the proposed project will successfully satisfy the aim of the organization in terms of the resources, labor, and time. A feasibility study affords the developer the capability to forecast the viability and potential prospects of the project. The fundamental basis for a feasibility study lies in the assessment of the proposed system's capability in terms of viability, specifically its organizational impact, capacity to fulfill user requirements, and optimal utilization of resources. Consequently, prior to granting approval for the development of a novel application, it is a customary practice to conduct a feasibility assessment. The present document expounds upon the viability of the project and entails a meticulous consideration of several essential factors, such as its technical, economic, and operational feasibilities, which were thoroughly assessed during the course of this project's feasibility study.

#### **3.1.1 Economical Feasibility**

Before a company decides to fund a project, they do an analysis to see if the project is worth the time and money. This helps them figure out if it will cost too much and if the project will actually benefit them. And also helps decide if a project is good and will make the organization money. This system provides a fully online system and its very easy to handle. So, this system is economically feasible. Some queries are raised during the investigation includes the following:

- The costs conduct a full system investigation?
  - The proposed system is developed as part of project work, there is no manual cost to spend for the proposed system.
- The cost of the hardware and software?
  - All the resources are already available.

#### **3.1.2 Technical Feasibility**

Assessing the technical feasibility poses a challenging aspect to conducting a feasibility study. The outline design of the system requirement in terms of input and outputs, programs, and procedures must be serves as the foundations for the assessments of the feasibility. After determining an outline investigation must continue to identify the necessary equipment kind. Once the system has been designed, there are several ways to run it.

- Is the project feasible within the limits of current technology.
  - Yes

- Technical issues raised during the investigation are:
  - Nothing
- Can the technology be easily applied to current problems?
  - Yes
- Does the technology have the capacity to handle the solution?
  - Yes

### 3.1.3 Behavioral Feasibility

The proposed system includes the following questions:

- Is there sufficient support for the users?
  - Yes
- Will the proposed system cause harm?
  - No

The project would be beneficial because it satisfies the objectives when developed and installed. All behavioral aspects are considered carefully and conclude that the project is behaviorally feasible.

### 3.1.4 Feasibility Study Questionnaire

#### To Book store staff

1. What is the mechanism for storing the book? How do you manage the stocks?

Books are stored on the basis of categories on different shelves. When customer reaches for the book, staffs will search and find the book.
2. How do you purchase the book?

Some of the books are purchased wholesale. Books in academical categories like guides which are monthly selling. But some of the books are purchased limitedly on the basis of selling. Most selling books are purchased the most.
3. Which category of book is the most selling one?

Educational or academical category books are selling the most.
4. Where you store the whole data?

Earlier data of the staff, purchased books, sold books etc. are stored manually on the register. But now the whole data is stored on the system manually.
5. Do you have any delivery options?

No, we don't have any, customers need to come on the shop and they can purchase.

### To Delivery boy

6. How do you get the order information?

We have an app and the notifications of the orders are displayed on the dashboard.

7. How you reach on the address?

Detailed address of the customer were included on the website which we have and we have the option to call them. On the basis of that we reach to them.

8. What are the facilities that you have on your site?

We can view the orders, address of customer and phone number. There is an option for calling them directly through the app and call details are saved. And have the field for OTP verification.

9. Do you have OTP verification before delivery?

Yes. We have a field to enter the OTP

10. How the replacement mechanism works?

There are 2 types of replacement, first one is when product is damaged and another one is when delivered different product other than the ordered item. In both the cases there is no need for quality check.

## **3.2 SYSTEM SPECIFICATION**

### **3.2.1 Hardware Specification**

Processor	-	12th Gen Intel(R) Core (TM) i3-1240P 1.70 GHz
RAM	-	8 G B (7.68 GB usable)
Hard disk	-	1 T B

### **3.2.2 Software Specification**

Front End	-	HTML, CSS
Backend	-	PostgreSQL
Client on PC	-	Windows 7 and above.
Technologies used	-	JS, HTML5, J Query, Python, CSS