

## **FEASIBILITY STUDY**

A feasibility study is a comprehensive analysis of a proposed project that takes into account all critical aspects of the project to determine the likelihood of its success. It is a crucial step in the project development process as it evaluates the practicality and viability of a proposed plan or project. The purpose of a feasibility study is to identify potential issues and problems that could arise during the project's execution and assess the feasibility of the proposed system.

The feasibility study for the proposed system comprises an analysis of three critical aspects of feasibility, including technical, economic, and behavioral. The technical feasibility aspect examines the ability of the proposed system to function effectively in the existing technological environment. It evaluates the availability of necessary hardware, software, and infrastructure required for the system's development and operation. It also assesses the feasibility of incorporating the latest technological advancements in the proposed system.

### **Economical Feasibility**

An economic feasibility analysis is a commonly used method for evaluating the profitability and efficiency of a new project. It involves identifying the expected profits from a project against the investment required. It estimates the costs associated with system development, including software, hardware, personnel, and ongoing maintenance. Compare these costs to the expected benefits and potential revenue generated by the system.

**Cost Estimation:** Calculate the total costs associated with the project, including development, infrastructure, machine learning, integration, operational, and maintenance costs.

**Benefit Estimation:** Estimate the potential benefits in terms of time savings, increased revenue, and enhanced user experience.

### **Technical Feasibility**

The technical feasibility study evaluates the technical aspects of a proposed project, including the availability of required technology and resources. It assesses the project's scope, complexity, technical expertise required, and potential risks. In the context of Plant pulse project, technical feasibility involves assessing whether the proposed technologies, such as automated plant disease detection, virtual garden planner, plant identification and inventory management etc., can be

effectively implemented within the project's scope and timeframe.

### **Operational Feasibility:**

Evaluate whether the proposed system can be effectively integrated into the existing operations of a plant nursery, including inventory management and delivery processes.

### **Feasibility Study Questionnaire**

1. Which type of bills are used?

Hand written bills are used to give the customer.

2. How the bills details are stored?

The bill amount is store in the shop register.

3. How did the customers known about your shop?

Either by phone call or visiting to the shop.

4. How the customers details are stored?

Store in the shop register.

5. How do Horticulture Experts contribute to the Plantpulse platform?

Horticulture Experts offer assistance in various aspects of plant development, including tutorials, blogs, and live alerts. They provide valuable insights and guidance to customers, helping them optimize plant growth and address any challenges they encounter.

6. How to Choose Healthy Plants?

- Inspect the undersides of leaves to check for insects.
- Steer clear of plants showing signs of drought stress, such as yellowing foliage.
- Ensure that your container has proper drainage to prevent water accumulation, as plants prefer not to be in standing water.

7. How do you ensure the health and quality of your plants?

We take great care in selecting and nurturing our plants, and we use organic and sustainable practices whenever possible.

8. Which type of payment methods are used in your shop?

We offer multiple payment options to accommodate our customers, which include cash, credit cards, and checks. Additionally, we accept online payment services like Google Pay and Paytm.

9. How often do you restock your inventory?

We restock our inventory on a regular basis, typically every week or two. However, availability may vary depending on the season and demand for certain plants.

10. What makes plants grow faster?

Plants can grow faster and larger when they receive essential elements such as water, air, light, soil nutrients, and the appropriate temperature, along with proper care and attention.

11. How do Horticulture Experts contribute to the Plantpulse platform?

Horticulture Experts offer assistance in various aspects of plant development, including tutorials, blogs, and live alerts. They provide valuable insights and guidance to customers, helping them optimize plant growth and address any challenges they encounter.