

**SYSTEM STUDY , FEASIBILITY STUDY  
&  
REQUIREMENT GATHERING**

# System Study: Online Cosmetics Shop

## Introduction

The **Online Cosmetics Shopping** project is a sophisticated web-based platform tailored to offer users an immersive and convenient online shopping experience for cosmetics and beauty products. It aims to revolutionize the cosmetics shopping experience in the digital age by presenting a curated collection of products and incorporating user-centric features. This system is divided into two phases: a mini-project and a main project, each showcasing different stages of development and functionality.

## Project Overview

The project encompasses various modules and functionalities catering to different user roles, including administrators, registered users, and cosmetics brands. The project's primary goal is to create an online cosmetics shop that revolutionizes the digital cosmetics shopping experience. It intends to offer an extensive range of cosmetics and beauty products through a sophisticated and user-friendly interface. Users can explore, discover, and purchase products with ease. The project also aims to incorporate various innovative features, such as virtual try-on, beauty consultation, and sustainable practices like recycling and refill programs. The system is built on a robust technological stack, utilizing HTML, CSS, JavaScript for the front end, Python with Django framework for the back end, and MySQL for the database.

## Extent of the proposed system

The proposed system, "Online Cosmetics Shopping," is an ambitious web-based platform set to redefine the digital cosmetics shopping experience. It encompasses an extensive range of functionalities aimed at providing users with a seamless and user-friendly interface for discovering, exploring, and purchasing beauty products online. The system is divided into several key modules. The Admin Module caters to administrators, offering secure login, password reset, and a comprehensive dashboard displaying crucial statistics. It also includes features for efficient product, user, and order management, as well as streamlining packaging processes. The Users Module focuses on customer interactions, allowing for hassle-free account creation, secure login, shopping cart management, and order tracking. Additionally, users can update their profile information, leave product reviews, and seamlessly process payments.

Furthermore, the system introduces a dedicated Cosmetics Brand Module, offering brand listings, brand pages, product showcases, and brand rankings. This module provides users with a curated selection of renowned cosmetic brands, enhancing their shopping experience. The proposed system also includes a Packing Management Module to ensure products are accurately and efficiently handled before shipping. With the integration of these modules, the "Online Cosmetics Shopping" system aspires to be a comprehensive platform that caters to the needs of both administrators and customers, ultimately elevating the online cosmetics shopping experience to new heights.

## Advantages of Proposed System

Convenience and Accessibility

Wide Product Range

User-Friendly Interface

Efficient Order Management

Product Reviews and Ratings

Instant Assistance with Chatbot

Sustainable Practices

## Viewers/Public involved in the system

**Administratives** : Users responsible for managing product listings, customer order and the overall operation of the online cosmetics shop.

**Customers** : Individuals interested on purchasing cosmetics product online.

## **FEASIBILITY STUDY**

Planning, organizing, and managing resources to ensure the achievement of particular project goals and objectives is the process of project management. A feasibility study is a preliminary examination of a prospective project or end to determine its merits and viability. A feasibility study aims to provide an objective assessment of the technical, economic, financial, legal, and environmental elements of a proposed project. The information can then be used by decisionmakers to decide whether to proceed with the project or not. The findings of the feasibility study can also be used to develop a practical project plan and budget. It cannot be simple to determine whether or not a proposed project is worthwhile pursuing without a feasibility study. The document provides the feasibility of the project that is being designed and lists. Various areas that were considered very carefully during the feasibility study of this project such as Technical, Economic and Operational feasibility. The following are its features:

### **Economical Feasibility**

Cost and benefit analyses are required to support the developing system. criteria to make sure that focus is on the project that will yield the best results and return the earliest. The price that would be involved in developing a new system is one of the variables. Some significant financial queries raised during the initial investigation include 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?
  - Also all the resources are already available.

### **Technical Feasibility**

The system needs to be assessed first from a technical standpoint. The outline design of the system requirement in terms of input, output, programs, and procedures must serve as the foundation for the assessment of this 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

### **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

## **Questions for requirement gathering**

1. How is task allotted to handle the functioning of your electronic shop?

Task is divided among different sections like Accountant, cashier, staffs, stock clerk, cleaners.

2. How is it made user friendly?

If a customer visit the shop for first time his credentials are feeded on to system so that they get e-bill, get notified on offers .

3. How is stock managed?

Reports are kept for each sold products and will refill out of stock products.

4. At what time do you open the store?

Around 7:30 am, since to arrange products

5. Does staff help out customers to find a relevant product?

Staff will just help to know about systems specification and they do not encourage to buy a particular product, according to marketing strategy

6. How do you attract customers?

By keeping offers.

7. How is payment system managed?

Either as cash or online transaction (e.g. pay phone pay)

8. What are the extra expenditures?

Maintenance cost, Fuel cost, Electricity bill.

9. Is it government organized system?

It is organized by both public and private sector.

10. Are there any factors that affect sales?

Yes, public holidays, hartals and mainly area where shop is situated is a factor for natural disaster like flood