

**Shivnagar Vidhya Prasarak Mandal’s Malegaon BK**

**Computer Engineering Department**

**Third Year of Computer Engineering 2024-25**

**Semester II**

**Web Technology**

**Mini Project Synopsis**

**of**

Online Book Shop

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## 1. Introduction

The Online Book Shop is a web-based application that allows users to browse, search, and purchase books online. It streamlines the traditional method of buying books by providing a user-friendly platform for students, professionals, and readers. This system replaces the need to visit a physical store and simplifies the shopping process through digital catalogs, cart functionality, and order management.  
  
Built using HTML, CSS, JavaScript, PHP, and MySQL, this project enables book vendors to manage their inventory and handle customer interactions efficiently. It enhances accessibility to literature and provides a practical example of full-stack web development.

## 2. Objectives

- To create a responsive web platform for online book purchasing.  
- To allow users to browse categories, search for books, and place orders.  
- To provide admin features for managing inventory, orders, and users.  
- To enhance user experience with seamless navigation and clear interface.

## 3. Tools & Technologies Used

Frontend: HTML5, CSS3, JavaScript, Bootstrap  
Backend: PHP  
Database: MySQL  
Web Server: Apache (XAMPP)  
IDE: Visual Studio Code  
Version Control: GitHub

## 4. System Overview

User Module:  
- Browse and search books  
- Register/login  
- Add to cart and place orders  
- View order history  
  
Admin Module:  
- Add/edit/delete book listings  
- Manage user orders  
- View sales reports and inventory

## 5. System Architecture

Presentation Layer: User interaction through website interface  
Business Logic Layer: Handles ordering, searching, inventory logic using PHP  
Data Layer: Stores book data, orders, and user information in MySQL

## 6. Applications

- Online book-selling platforms  
- College book stores  
- Local bookstores looking to go digital

## 7. Benefits

- Reduces operational costs of physical shops  
- Provides 24/7 book availability  
- Easy inventory and order management  
- Enhances reading accessibility for users

## 8. Future Enhancements

- Online payment integration  
- Personalized book recommendations  
- User reviews and rating system  
- Mobile app version using Flutter or React Native  
- Book delivery tracking system

## 9. Conclusion

The Online Book Shop project demonstrates how web development can modernize the book retail experience. It combines essential e-commerce features with user convenience and administrative control. This project helps the team gain experience in designing and deploying a full-stack web application with real-world utility.