Technologies Used:

HTML: Utilized for structuring the web pages, ensuring semantic and accessible content.

CSS: Employed for styling and layout design, creating visually appealing and responsive interfaces.

JavaScript: Used for adding interactivity and dynamic elements to the web pages, enhancing user engagement and functionality.

PHP: Implemented for server-side scripting, enabling dynamic content generation and database interaction.

XAMPP: Utilized as a local development environment, providing Apache, MySQL, PHP, and Perl for web development.

MySQL: Employed as the relational database management system for

storing and managing application data. VS Code: Used as the primary integrated development environment (IDE) for coding, debugging, and version control, enhancing developer productivity and collaboration.

Contributions:

Yaaju:

Led the development and implementation of the complete backend system.
Designed and managed the server architecture to ensure seamless integration with the frontend.
Implemented database structures and handled data management, ensuring

efficient data retrieval and storage.
Coordinated with the team to align backend functionalities with frontend requirements, ensuring a cohesive final product.

Mokshitha:

Developed the registration module, enabling users to create and manage their accounts securely.
Created the Book Portal web page, featuring a user-friendly interface for browsing and searching books.
Developed the Student Shelf web page, allowing students to manage their personal book collections.
Implemented responsive design principles to ensure optimal user experience across various devices.

Vaishnavi:

Designed and developed the login page, home page, buy page, and sell page, ensuring seamless navigation and user interaction.

Implemented user authentication and session management for secure access to the platform.

Ensured consistent branding and visual elements across all pages for a cohesive user experience.

Thejaswini:

Developed the Student Details web page, which allows users to view and manage student information.

Integrated form validations and error handling to ensure data accuracy and reliability.

Designed the interface to be intuitive and user-friendly, enhancing user experience.

Akshaya:

Created the account creation page and integrated it into the registration module, allowing users to sign up securely.
Developed the buying and selling functionality, including the home page showcasing available listings and facilitating transactions.
Implemented secure transaction mechanisms to ensure safe exchanges between users.

Sathwika:

Contributed to the project by gathering data for queries and ensuring the availability of relevant information for users.
Collaborated with the team to understand user requirements and

preferences, guiding the development process.

Project details

Project Name: Student Book Exchange and Academic Portal

Project Description:
The Student Book Exchange and Academic Portal is a comprehensive web platform designed to facilitate the buying and selling of used books within an institute's student community. Alongside this core functionality, the portal offers a range of academic resources and tools tailored to enhance students' educational experience.

Main Features:

1. **Book Exchange Marketplace:** A dedicated web page enables students to buy and sell used books directly within the institute's community. Users can list their books for sale, browse available listings, add items to their cart, and complete transactions securely.

2. **Student Login and Registration:** A secure login form allows students to access the platform using their registration number and password. New users can register by providing relevant student details, ensuring authenticated access to the portal's features.

3. **Shopping Metrics and Cart Functionality:** The platform incorporates basic shopping metrics, providing users with insights such as

order history, wishlist management, and purchase summaries. A user-friendly cart system streamlines the buying process, allowing users to manage their selected items effortlessly.

4. **Student Academic Profile:** Another web page displays comprehensive academic details of students, including their CGPA, attendance records, course details, and contact information. This feature provides students with easy access to their academic progress and essential contact details.

5. **Interview Preparation Section:** An interlinked website within the portal offers a curated collection of interview preparation questions and

resources. This section aims to assist students in enhancing their professional skills and readiness for future career opportunities.

Target Audience:
The primary audience for the Student Book Exchange and Academic Portal is the student community within the institute. This includes undergraduate and postgraduate students seeking to buy or sell used books, access their academic profiles, and prepare for interviews and career opportunities.