



# Course Resource Library 2.0

Next Generation Web-based Application for E-learning and Library Management

## Team 4

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# Project Overview



## **Integrated Platform:**

Combining library and educational resource management for streamlined operations.

## **Course Registration and Management:**

Allows students to register for and drop courses, with completed courses displayed on their profiles..



## **Book Management:**

Supports issuing, returning, and tracking book availability efficiently.

## **Streamlined Access:**

Combines library and course management for easier access and improved operational efficiency..



# Functional Requirements



## Authentication System

1. Secure login/logout functionality
2. Password management



## Resource Management

1. CRUD operations for resources
2. Search and filtering



## User Management

1. User registration
2. Profile management



## Course Management

1. Course creation
2. Enrollment management

# Non Functional Requirements



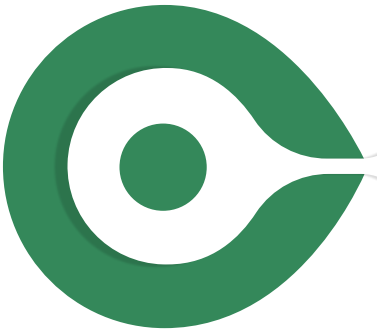
## Performance

1. Page load time < 2 seconds
2. Support 10,000 concurrent users



## Security

1. Secure authentication methods
2. Strong password enforcement



## Usability

1. Responsive design (mobile-friendly)
2. 3-click maximum to any feature



## Compatibility

1. Supports major browsers like Google Chrome, Microsoft Edge, etc

# Software Development Timeline

## Sprint 1

1. System architecture
2. Database schema
3. Authentication



## Sprint 2

1. Login/register
2. Database Integration
3. Admin dashboard



## Sprint 3

1. Course resource upload feature
2. Enrollment feature



## Sprint 4

1. Profile management
2. Front-end adjustments



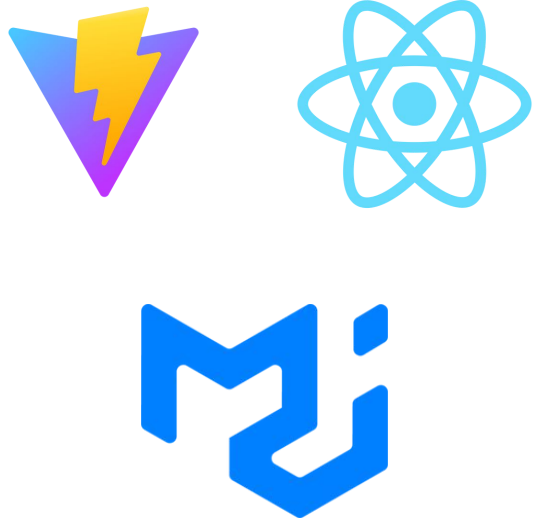
## Sprint 5

1. Unit testing
2. Integration testing



# Tech Stack

Frontend



Backend



Testing and Version  
Control



**Demo**

## Future enhancements

AI-Powered Recommendation  
System

Course reviews and  
comments

Chatbot for Support



# Thank You!

Any queries?