

College resource sharing platform with library management system

Problem statement : Students often face challenges in accessing reliable academic resources like notes, books, study guides. While college libraries offer valuable materials the absence of unified system for peer-to-peer resource sharing & efficient library resource allocation results in:

difficulty in finding materials
wastes time

underutilization of available resources

This project aims to address these issues by introducing centralized platform

Description : The college resource sharing platform will provide a centralized system where students can:

- 1) upload, categorize and search materials
- 2) engage in peer-to-peer interactions for resource requests

The system will also integrate with library management system to enhance efficiency by:

- streamlining resource allocation & availability tracking
- automating notifications for overdue books
- supporting access to digital materials

Key features :

- upload / categorization
- search functionality
- peer-to-peer messaging
- ratings / reviews
- book availability tracking
- resource allocation
- overdue notifications

Implementation plan :

Frontend : develop web-based interface

Backend : Implement server-side operations.

using Django or node.js

database : use MySQL or MongoDB

Expected outcome :

To develop a robust platform that simplifies sharing & accessibility of resources.

Enhance collaboration and learning experience for students.