

Business Requirements Document (BRD)

Project Name: Auston Virtual Library

Prepared For: Auston College

Prepared By: LOM-Tech Internship Students

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1. Introduction

The purpose of this project is to create a Virtual Library Platform for Auston College. This platform will allow students and faculty to upload, access, update and delete digital books and academic resources in one central place.

The platform aims to:

- Improve accessibility to academic resources.
- Encourage knowledge sharing among students and faculty.
- Reduce dependency on physical library space.
- Have accessibility to audiobooks.

2. Objectives

- Provide a digital platform for students and faculty to share academic books and resources.
- Allow users to self-manage their uploaded content (update/delete).
- Ensure resources are easy to search, categorize, and access.
- Maintain secure and reliable access control.
- Review and comment function for every book.

3. In Scope Features

- User Registration & Login (Students/Faculty).
- Uploading digital resources (PDFs, eBooks, Notes, etc.).
- Update/Delete own uploaded resources.
- Categorization by subject, course, or tags.

- Search functionality (by title, author, subject, keyword).
- Basic reporting (e.g., number of uploads, most downloaded).

4. Stakeholders

- Primary Users: Students of Auston College.
- Secondary Users: Faculty (Teachers, Student Service) and administrative staff.
- Administrators: IT/Library staff for overall system management.
- Staff member for each subject/category for easier management.

5. Functional Requirements

User Management

- Users can register and log in using Auston credentials or email.
- Users have roles: Student, Faculty, Admin.

Content Management

- Users can upload books/resources (with metadata: title, author, subject, description)
- Users can update or delete only their own uploaded resources
- Admin can manage (approve/remove) any content.

Search & Browse

- Users can search by keyword, title, author, or subject.
- Browsing by category (Engineering, Business, IT, etc.).

Access & Permissions

- Students & Faculty: Upload, update, delete own books. Approval from the administrations is required to upload/modify/delete books.
- Admin: Manage all content and users.

- Statistics function required to delete a media.

6. Non-Functional Requirements

- Easy-to-use interface for non-technical users.
- Performance: Fast search and upload functions.
- Security: Role-based access control; secure login.
- Scalability: Support growth of digital content.
- Reliability: 99% uptime, with backup and recovery.
- Text-to-speech feature.

7. Assumptions & Dependencies

- Students and faculty will have internet access.
- Users will upload materials in supported formats (PDF, DOCX, PPT).
- ❖ College IT team will provide hosting support (Cloud/On-premises) (Undecided)

8. Risks

- Risk of copyrighted books being uploaded.

9. Timeline (High-Level)

- Phase 1- One day duration
- Phase 2- One day duration
- Phase 3- Two days duration.
- Any remaining day can be used to add more features.

10. Success Criteria

- At least 100 resources in the library. (Books, articles, worksheet, projects, etc.)
- Responsive Design: work properly on mobile, tablet, Desktop
- At least 10 students and 3 faculty members test the platform and provide feedback
- At least 50% of students actively use the library within the first year.
- Reduction in reliance on physical library materials.

- Copyright clearance: all materials are either public domain, Creative Commons, or properly licensed.