Business Requirements Document (BRD)

Project Name: Auston Virtual Library
Prepared For: Auston College
Prepared By: [Your Name]
Date: [Insert Date]

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.

2. Objectives

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

3. Scope

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).

Out-of-Scope (Future Enhancements):
- Integration with external databases (JSTOR, IEEE, etc.).
- Advanced analytics (AI-based recommendations).
- Digital lending system with expiry dates.
- Mobile application.

4. Stakeholders

- Primary Users: Students of Auston College.
- Secondary Users: Faculty and administrative staff.
- Administrators: IT/Library staff for overall system 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.
- Admin: Manage all content and users.

6. Non-Functional Requirements

- Usability: 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.

7. Assumptions & Dependencies

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

8. Risks

- Risk of copyrighted books being uploaded.
- Risk of data overload without proper categorization.
- User misuse (deleting important resources).

9. Timeline (High-Level)

Phase 1 (MVP – 2~4 weeks):
- User login/registration
- Upload books/resources
- Update/Delete own content
- Basic search and browse

Phase 2 (Enhancements – 1~2 weeks after MVP):
- Categories (subjects, tags)
- Admin dashboard for managing content
- Basic reporting (uploads, downloads)

Phase 3 (Optional/Future – 2~4 weeks if needed):
- UI/UX improvements
- Mobile responsiveness (PWA style)
- Security hardening & role-based access

10. Success Criteria

- At least 70% of students actively upload/use the library within the first year.
- Reduction in reliance on physical library materials.
- Positive feedback from faculty and students on ease of use.