3. Library Management system.

Problem statement:
Develop a Library Management system (LMS) with user and book management, borrowing/returning, reservation/rehersal and security.

1. Introduction:

1.1 purpose
The document serves as a guide for requirement specifications of developing library management system.

1.2 scope: The document defines overall working and functionality performance interface requirements and non-functionality attributes for library management system.

1.3 Overview: LMS software designed to automate and efficient way of operations like inventory management cataloging.

2. General Description
The library management system will take care of current book detail at any point of time, will update the book detail automatically.

3. Functional Requirements
- cataloging: based on books, journals.
- circulation management: seamless access to library materials ensuring management of resources.
- preservation management.

4. Interface Requirements:-
  - User Interface.
  - Database Interface.
  - Integration Interfaces

5. Performance Requirements
  - Response time should be minimum.
  - Real time updates
  - Intuitive booking and managing interface.

6. Design constraints
  - system should comply with industry standards
  - system should compitable with existing
    software and hardware.
  - protect library data from various entities.

7. Non-functional attributes
  - Portability
  - Reliability
  - Scalability.

8. Preliminary schedule and Budget
  - Estimated timeline : 6 months
  - Estimated budget : ₹5,00,000