III) Library Management System.

1. Introduction:

1.1 Purpose of this Document:
The document serves as guide for requirement specifications for developing Library Management System.

1.2 Scope of this Document:
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 effecient 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 details automatically.

3. Functional Requirements:

- Cataloging : based on books, journals,
- Circulation Management : seamless access to library materials ensuring mangement of resources.
- Reservation management.

4. Interface Requirements:

- User Interface.
- Database Interface.
- Integration Interface.

5. Performance Requirements.
   - Response time should be minimum.
   - Real time updates.
   - Intutive booking and manging interface.

6. Design Constraints:
   - System should comply with industry standards
   - System should compitable with existing Softwa 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.