→ Generate the SRS document for the following applications
1) Library Management System
2) Stock Maintenance System
3) Passport Automation System

I) Library Management System (LMS)

1. Introduction
1.1 Purpose of this Document
This document outlines the requirements for a Library Management System that manages library operations such as borrowing, returning, and reserving books.

1.2 Scope of this Document
The LMS will streamline the management of library resources, allowing users and librarians to interact with book data efficiently. It also covers system costs and time requirements.

1.3 Overview
The system provides essential features for managing books, tracking user activity, and automating fines for late returns.

2. General Description
The system will be used by students, faculty, and librarians to manage library operations, improving efficiency in book borrowing, catalog management, and fine calculation.

3. Functional Requirements
(.) User registration and login
(.) Book search and filter options
(.) Borrow, return, and reserve functionalities
(.) Fine calculations and overdue notifications
(.) Report on current and overdue books.

4. Interface Requirements
(.) Web base interface for users and administrators
(.) Database for storing book and user data
(.) Notifications via email for overdue books

5. Performance Requirements
(.) The system should handle 500+ simultaneous users.
(.) Response time for searches should be under 2 seconds.

6. Design Constraints
(.) System should operate on common hardware and browsers.
(.) Implementation must adhere to library regulations

7. Non-Functional Attributes
(.) Security - User authentication and data encryption
(.) Reliability - System should have 99.5% uptime

8. Preliminary Schedule and Budget
- (•) Development period – 6 months
- (•) Estimated budget – ₹ 50,000.