SRS Document

I> Library Management System

1.1 Problem Statement: Design a website for providing library services

1.2 Scope:- Library Mangement system encompasses for managing activities & of operations within a library. It includes managing library catalogues, allowing users to search, borrow, return & renew books. It ensures different access for students, staff & librarian.

2 Functional Requirements:
2.1) Book Search:- Users should be able to search for books by title, author, subject or ISBN.

2.2) Book Reservation:- Users can reserve books that are currently borrowed & recieve notification when they become available.

2.3) Booorow & Return:- System should record when users borrow or return books, automatically updating availability.

2.4) User Registration & Authentication → User must be able to register & login to their account.

2.5) Fine calculation :- System should automatically calculate fines for overdue books & send notification.

3) Non Functional Requirements:-
3.1) Performance → System should handle up to 1000 concurrent users without lag

3.2) Usability → System should be accessible with minimum training to librarians.

3.3) Security → User data including borrow history & fines should be encrypted.

Domain Req:-

1> Library Rules → System should follow library rules for durat
of borrowing, fines.

2> Circulation policy → System should follow policy of either renewing
returning the book after 15 days.

4> Interface Requirements:-
It should allow different access for students, staff
librarians.

5> Performance Requirements:-
System should perform well even with more no of use
at same time ensuring regular updation of book database

6) Preliminary Schedule and
Website has to be designed within 1 month