SRS Document
Library Management System

1. Problem Statement :-

Libraries manage thousands of books and digital resources. Manual record keeping leads to loss of books, duplicate entries, difficulty in tracking issued items, and inefficiency. LMS is intended to automate the entire process of cataloging, issuing, returning, and tracking library resources, ensuring accuracy and convenience for both libraries and users.

2. Introduction :-

(i) **Purpose** :- The purpose of LMS is to build a system that manages books, users and transaction electronically, reducing human error

(ii) **Scope** :- Maintain a catalog of available books and resources.

General Description :- The LMS will act as a

centralized system for managing books and transaction replacing manual registers.

4. Functional Requirements :-

→ Systems should allow users to search, borrow, and return books.

→ System should allow librarians to add, update or remove books from cataloge.

→ System shall track borrowing, history, due dates and overdue fines.

5. Non - Functional Requirements :-

→ System shall be available 24/7

→ System shall return search results within 3 seconds for standard queries.

→ System shall provide data security with password encryption

→ System shall provide a user-friendly interface.