

### III) Library Management System : {SRSS}

\* Prbl Statement :- The library system needs improvement to simplify tasks and enhance user experience.

\* Goal :- The objective is to create a library management system that optimizes operations and improves user satisfaction.

#### ① Introduction :-

- Purpose : Define specifications for a modern library management system.

- Scope : Outline objectives, customer benefits, cost estimates, and project timeline.

- Overview : LMS facilitates library operations including cataloging, borrowing, returning, and member management.

#### ② Functional Description :-

- Cataloging : Add manage book inventory = categorize books, and maintain records.

- Borrowing and Returning : Issue books to members, process returns, and handle fines.

- Member Management : Register new members, update member details, and manage membership.

- Integration

### ③ Integration: Functional Requirements:

- cataloging
- Borrow & Returning
- member management
- Integration

### ④ Interface Requirements:

- User Interface: User-friendly interface for librarians and members to navigate the SLN.
- SLN Interfaces: Integration with library databases and online catalog SLN's.

### ⑤ Performance Requirements:

- Response Time: Swift response for book searches, checks and returns.
- Reliability: Stable operation, minimal downtime, data.

### ⑥ Design Constraints:

- Security: Ensure user data privacy, implement secure login procedures.
- Compliance: Adhere to data protection regulations for member information.

### ⑦ Non-functional Attributes:

- Scalability
- Portability

### ⑧ Preliminary Schedule and Budget:

- Estimated Development Time: 6 months.
- Budget: \$ 80,000