

## Library Management System:

problem statement: The library management system aims to solve the challenges faced by librarians in effectively managing their resources and providing equality services to patrons.

→ purpose of this document:

This section clarifies why the SRS document is necessary. It serves as a guide for the development team, stakeholders and anyone involved in the project.

→ Scope of this document:

The overall working and main objectives of the Library Management System are described. It also outlines what values the system will provide to customers and stakeholders, along with estimate of development cost and time.

→ Overview:

The section provide a summary or high-level review of the library management. It briefly describe what the system is about and its key functionalities.

→ General description:

This section provides a broad overview of the Library Management System, including its general function & objective user characteristics features and benefits.

→ Functional Requirement

Functional requirement describe the specify function or capability that library management system must perform. This include actions such as cataloging book, book managing users, handling section transaction matching the record.

This requirement are listed in ranked order prioritizing them based on their importance to system functionality.

→ Interface Requirement:

Interface requirement detailed how library management system communicates with users other software system and external devices.

→ Performance Requirement:

Performance requirement specify how the library management system should perform under various conditions. This factors such as response time, scalability and system reliability. For eg the system should respond quickly to user queries and be able to handle a large vol.

→ Design Constraints:

Design constraints outline any limitations or restrictions that the development team must adhere to while designing the library management system. This could include platform compatibility requirement, hardware limitation, or constraints imposed by external standard or regulations.

## → Non-functional Attributes

Non-functional attributes are qualities or characteristics of the library management system that are not directly related to its specific function but are essential for its overall performance and usability.

## → Preliminary Schedule and Budget:

This section provides an initial plan for the development of the library management system, including a timeline and budget estimate. It outlines the phases of the project such as requirement gathering, design, implementation, testing, and deployment, with the associated costs and timeframes.