(iii) Library Management System

Problem Statement: The purpose of the document is to provide a detailed description of requirem for Library Managment System.

Scope: The system will manage the library's book inventory, user accounts and borrowing returning processes. It will be accessible via a local network and provide functionality for both library and staff users

Functional Requirements

* Book Management: The system should cover tasks related ~~tasks~~ to book acquisition, cataloguing and organization within the library

* User Management: Creating and managing user accounts, handling patron information, and providing authentication for services

* Circulation management: Automating the process of book check in, check in and reservation to streamlining circulation activities

* Search and Retrival: Implementing a robust search mechanism for users to locate books, authors, etc

* Reporting and Analytics: Generating reports on library usage, circulation trends, and popular genres to aid decision making

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Non Functional Requirements:
* Usability: User friendly UI that promotes ease of navigation
* Scalibility: Designy the system to accomoted growth en the library's collection and user base over time

* Performance: meeting performance standards to ensure timely response and efficient processing

* Reliability: Building a reliable system that minimizes downtime and ensures the continuous availibility of the service

* Preliminary Schedule and Budget:
The project is estimated to be completed in 4 weeks and estimated to cost opportunity of ₹20,000.