

# Library Management System

**Problem Statement:** The current process lacks efficiency & scalability leading to difficulties in tracking book inventory, managing member accounts & facilitating smooth transactions.

## Introduction

**Purpose of this Document:** It is to outline the requirements & specification for the development of LMS.

**Scope of this Document:** It defines overall function ability, interface requirements for performing LMS.

**Overview:** The LMS is designed to automate and streamline various operations within a library including cataloguing.

**General description:** The LMS will cater to the needs of library staff.

## Key features:

- Ability to add, edit & delete book from library catalog
- Book catalog & management
- Circulation Management
- Reporting & analytics

## Circulation Management

- check out list of books
- fine collection
- due date management

## Interface requirement

- Graphical user interface for staff
- Web based interface
- Mobile application

Design Constraints : Integration with existing library system & database for data migration.

## Non-functional Requirements

- Security
- Portability
- Scalability

Preliminary Schedule & budget : The development of the LMS is estimated to take 7 months with a budget \$ 80,000