

### 3> Library Management System

#### 1. Introduction

##### 1.1 Purpose

The document serves as guide for requirement specifications for developing library management system.

##### 1.2 Scope

The document defines overall working & functionality performance, interface requirements & non-functionality attributes for library management system.

##### 1.3 Overview

LMS software designed to automate and efficient way of operations like inventory management, cataloging

#### 2. General Description

The library management system will take care of current book detail at any point of time, will update the book details automatically.

#### 3. Functional Requirements

- Cataloging : based on books, journals.
- Circulation Management: seamless access to library materials ensuring management of resources.
- Reservation management.

#### 4. Interface Requirements

- user Interface
- Database Interface
- Integration Interface



## 5. Performance Requirements

- Response time should be minimum
- Real time updates
- Intuitive booking & managing interface.

## 6. Design Constraints

- System should comply with industry standards
- System should compatible with existing software & hardware
- Protect library data from various entities

## 7. Non-functional Attributes

- Portability
- Reliability
- Scalability

## 8. Preliminary Schedule and Budget

- Estimated timeline : 6 months
- Estimated budget : ₹ 5,00,000