

## ④ Library management

### ① Introduction

#### 1.1 Purpose

This doc outlines the Seq & Specifications for the Lib management System.

#### 1.2 Scope

This doc covers Objectives, functionalities develop Cost & timeline of LIB System.

#### 1.3 Overview

Design to facilitate efficient management of lib resources including Catalogue Circulation.

### ② Brief description

\* Objectives of user

User can manage book inventories from loans & maintain member records

\* User Characteristics -

target users include librarians staff patrons.





### ③ Functional Requirement

\* Catalog Management -  
Users can add, update, delete book entries.

\* Circulation Management  
User can issue & return books

\* member management.

\* Reporting

\* User management.

### ④ Interface Requirement

\* User Interfaces

\* database Interfaces

### ⑤ Performance Req

\* less ~~hand~~ response time

\* efficient memory usage

\* less ~~error~~ rate

### ⑥ Design Constraints

\* Hardware Limitations -

Should function standard server Configuration

\* Software Limitations -

Compatible with language



## ⑦ non functional Attributes

- \* Security
- \* Durability
- \* Reliability
- \* Scalability

## ⑧ Schedule and Budget

Time duration : Estimated time 4 Months

Budget : \$ 1,00,000