4) **Library management:**

Introduction:

1) Purpose of this document:
This document is about software requirement for library management system, aimed for Library automation.

2) Scope of this document:
The document covers functional and non-functional requirements and performance for library management.

3) Overview:
this will manage registration, book inventory and transaction processing.

General discription:

user characteristic: library staff and member

Features: Catalog management, member registration, transaction process

Benifits: Enchance user experence, reduce manual sbearching.

Functional Requirements:

(i) user search books
(ii) book checkout and return
(iii) Generates overdue fine and send reports
(iv) notification of ending of membership

Interface Requirements:

(i) User interface
(ii) Database interface
(iii) Dashboard interface for inventory tracking

Performance requirements:

(i) responce for searching should be fast
(ii) less error rate
(iii) effuent usage of memory

Design Constraints:

(i) use of open-courses database systems

(ii) should co-operate on low resource service

Non functional:

(i) usability

(ii) Portability

(iii) scalability

Preliminary Schedule and Budget:

schedule time : 6 months

estimated cost : ₹ 10 lakh

01.01