

Library management System

Problem statement :-

The purpose of a LMS is to provide instant and accurate data regarding any type of book, thereby saving a lot of time and effort

1. Introduction :-

1.1 Purpose of this document:

The document serves as a guide for the requirement specification for developing management system (LMS)

1.2 Scope of the document

The document defines the overall working and main objectives of LMS

1.3 Overview :-

LMS is a software designed to automate and streamline the library operations

2. General description

- user characteristics → designed based on size req. of library
- objective of user
- Catalogging, circulation management, patron registration

3. Functional requirements

- Cataloging → based on books, journals, multimedia

- Circulation management
- Reservation and hold management

- 4) Interface ~~req~~ requirement
- user interface
 - Database interface
 - integration interface

- 5) Performance requirement
- Response time, Scalability, reliability, Data integration.

- 6) Design constraints
- Software compatibility over various OS & DBMS
 - Data security - ~~protect~~ library data from various entities.

- 7) Non functional requirements :-
- Security, Portability, Reliability, Scalability

- 8) Preliminary Schedule and budget
- There are multiple ^{phases} requirements such as
- requirements, gathering, design and architecture, development, testing and quality assurance, deployment and launch & post launch support.

The expected time is 5 months with an budget of \$150,000-\$200,000