Library Management System

Problem statement

The case study titled Library Management System is library management software for the purpose of monitoring and controlling the transactions in a library. This case study on the library management System gives us the complete information about the library and the daily transactions done in a Library. We need to maintain the record of new s and retire the details of books available in the library which mainly focuses on basic operations in a library like adding new member, new books, and up new information, Searching books and members and faculty to borrow and return books. It features a familiar and well thought out, an attractive user interface, combined with strong Searching, insertion and reporting capabilities. The report generation facility of library system helps to get a good idea of which are this borrowed by the members, makes users possible to generate hard copy

Software Requirement Specification (SRS)

→ Purpose :-

The purpose of college library management system is to Streamline the management of college libraries by automating. and managing material.

It will provide real time information about Status of materials.

→ Scope :-
1. College library management system will be a web based application that will be accessed from any device with Internet.
2. This System also allows librarian to manage user accounts and materials.

→ Overview :-
- The college library management System will be divided into several modules inatiding user module materials module. & reporting module.
- The user module will allow students & faculty members. to create & manage their account.
- The reporting module will prove t librarian with report about library actors

→ General Description :-
- It is a web-based application. that with be designed to manage college librarian
- It is user-friendly & easy to use.
- It will provide real-time information about Statuse t. materials & transaction.

→ Functional Requirements :-
- User registration & account management
- material registration & management
- Borrowing and returning materials.
- Real-time information about material availability
- Reporting functionality for library authority

→ **Interface Requirements:-**
- User-friendly interface for Students, faculty member, & librarians.
+ Responsive design for mobile & desktop device. Intuitive navigation & search functionality.

→ **Performance Requirements:-**
- Fast & reliable access to the system.
- High availability & uptime.
- Intergration with the college's network. infrastructure.

→ **Design Constraints:-**
- The system must be designed to be secure
- Must be easy to use.

→ **Non-Functional Requirements:-**
- The system must be highly available.
- Must be reliable
+ Must be Scalable.

→ **Prilimary Schedule & budget:-**
- Development talks 8 months and testing for 2 months budgeted Project: approximately ₹5,000,000 coussitening the service talsen by development of projects.