

Title of the project

Development of an online Library Management System (LiMS)

Abstract of the project

This project is aimed at developing an online Library Management System (LiMS) for the college library. This is an Intranet based application that can be accessed throughout the campus. This system can be used to search for books/magazines, reserve books, find out who is having a particular book, put in requests to buy a new book etc. This is one integrated system that contains both the user component and the librarian component. There are features like email notifications/reminders, report generators etc in this system.

Functional components of the project

Following is a list of functionalities of the system. More functionality that you find appropriate can be added to this list. And, in places where the description of functionality is not adequate, you can make appropriate assumptions and proceed.

There are registered people in the system (students, faculty, librarian et al). Each one of them may have some exclusive privileges (faculty, for example, could borrow reference books for a short period, while students cannot).

1. A person should be able to

- login to the system through the first page of the application
- change the password after logging into the system
- see the status of the books/journals borrowed/reserved by him and the respective due dates and other relevant details
- search for a particular book/journal based on the name of the book/name of the author/subject/etc and also list for books/journals based on the name of the author/subject etc
- reserve a particular book/journal borrowed by others currently
- cancel the reservation made earlier for a particular book/journal
- see who has borrowed a particular book/journal and when is the due date for the same
- place requests for purchasing new books to the library, by giving details about the name of the book, name of the author, publisher etc.

- get help about the LiMS on how to use the different features of the system
2. As soon as a reservation is made for a particular book, an automatic mail should be sent to the person who made the reservation about the details. Then, a mail should be sent to people who are having the book currently, stating a reservation has been made on that book.
 3. Automatic mails should be sent to the users about the expiry of due dates for the books/journals borrowed by them. An advance notification (say, 4 days before the expiry of the due date) should be sent as well.
 4. The librarian should be able to
 - include new books/journals or remove some books from the inventory
 - add new users to the system
 - see the purchase requests for new books and be able to approve/reject the same
 - Need a function to review the book which student has read.