

HIGH LEVEL DOCUMENT OF LIBRARY MANAGEMENT SYSTEM

COLLEGE LIBRARY MANAGEMENT SYSTEM

INTRODUCTION

Library Management System is a term for computer-based system that manage the catalogue of a library. The main purpose of this system is to manage library daily operation efficiently.

1. Project Aim and Objectives

Library Management System is a term for computer-based system that manage the catalogue of a library. The main purpose of this system is to manage library daily operation efficiently. Objectives of Library Management System (LMS) .

- a) To build a system that can receive input and generate automatically output in easy way and short time.
- b) Provide timely access to requested materials.
- c) Simplify search/discovery of library resources.
- d) To build a monitoring system that is able to monitor and manage all library operations efficiently.
- e) To enter and preserve details of the various issues and keep a track on their returns. f) Online book issue g) Request column for librarian for providing new book.
- h) A separate column for digital library.
- i) Student login page where student can find books issued by him/her and date of return.
- j) A search column to search availability of books.

2. User Requirements

The application is designed for the use of librarians and library users. By using library management system, the operation of borrowing and managing inventories is paperless. This system provides a user-

friendly data entry with dropdown button menu, list box and checkbox in purpose to make the input entry easier to understand and use. It is also created to ensure that the library items are stored properly in order to maintain their security. This system will store all the books and members information that consist book numbers, book titles, author names and categories to the system database. It also provides search function to help students find the book by book name, title, category. Search function will search through the books database to look for the book and view where the book is situated. For the administrator user, only librarians have access to view or edit data from the system databases. Administrator user will handle administrative functions such as add a new book, update/delete an existing book information, view student information, and issue/ return book to students. Librarian need to enter correct password and user id before they can access to this function. From here, they can add, delete or update the book and borrower database.

FUNCTIONAL REQUIREMENTS

1-LIBRARIAN LOGIN

This feature used by the librarian to login into system. They are required to enter librarian id and password before they are allowed to enter the system. The librarian id and password will be verified and if invalid id is there librarian is allowed to not enter the system.

2-REGISTER NEW STUDENT

This feature can be performed by all students to register new student to create account.

3-REGISTER NEW LIBRARIAN

This feature can be performed by all librarians to register new librarian to create account.

4-ADD NEW BOOK

This feature allows adding new books to the library. System must be able to not allow two books having same book id.

5-SEARCH BOOK

We can search book based on book title, book author, category.

6-UPDATE BOOK

This feature allows updating book details for an existing book.

7-DELETE BOOK

This feature allows to delete an existing book.

8-ISSUE BOOKS

This feature allows issuing books to a particular student and also viewing reports of book issued.

9-RETURN BOOKS

This feature allows returning books of a particular student and also viewing reports of book returned.

10-STUDENT DATABASE

With this feature librarian can view all the students currently registered and their details.

11-BOOKS TRANSACTION

This feature allows librarian to view all book transactions done till date.

12- LOGOUT

This feature is used by both student and librarian to end the current session and logout from dashboard.