

PROJECT REPORT

TOPIC: LIBRARY MANAGEMENT SYSTEM

LAB: WEDNESDAY, GROUP 18, SLOT 11(B)

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INTRODUCTION

- The purpose of this project is to provide a friendly environment to maintain the details of books and library members.
- The main purpose of this project is to maintain easy circulation system using computers and to provide different reports.
- The Library System is a package to be used by Libraries to improve the efficiency of Librarians, Library employees and Users.
- The system provides books catalog and information to members and helps them decide on the books to borrow from the library.
- The Librarian can keep the books catalog updated all the time so that the members (students and the professors) get the updated information all the time.

SCOPE

- The document only covers the requirements specifications for the Library Management System.
- This document does not provide any references to the other component of the Library Management System.
- All the external interfaces and the dependencies are also identified in this document.
- The overall scope of the feasibility study is to provide sufficient information to allow a decision to be made as to whether the Library Management System project should proceed and if so, its relative priority in the context of other existing Library Management Technology.

IMPLEMENTATION

The user is first of all presented with the main menu which includes the following:

- **Book Issue:**
In this module, the user can basically issue a book from the given list of books maintained in the record of the library.
- **Book Deposit:**
In this module, if the user has already issued a book, he or she can deposit the book back to the library system
- **Administrator Menu:** In this module we can do the following:

- Admin is able to create, delete, display a particular record and display all records of the books present in the library system.
 - Can create, delete, display a particular record and display all records of the students present.
 - The user can get all the details of the books and students present in the library system.
 - The user can also get the records of all the issued books along with the details of the students who have issued it.
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- **Book entry:** In this module we can enter a new book and store it.
 - **Book issue:** In this module we can issue a book to the student.
 - **Book record:** In this module we can keep the records of various books being issued and returned.
 - **Register student:** In this module we can keep the record of how many students have we registered.

CONCEPTS USED

- Classes and Objects
- File Handling
- Constructors and destructors
- String comparisons

