

LIBRARY WEBSITE

OVERVIEW:

Library is place where all kind of books are available. Library Website system is a web based application. This system contains list of all the books and can be accessed by remote users concurrently from anywhere in the campus. But for that users must be registered user. This system is three tier architecture. Client sends requests, on receiving the request the server processes it and extracts the data from database and sends the result back to the client. This system provides separate interface and login for librarian, students and faculties. Librarian can modify database. Users can search for books and renewal books online.

OBJECTIVE:

- The goal of the system is to bring down the work load with the increased efficiency and to speed up the activities.
- With this it is very easy to process course fee that is collected time to time from students who are registered and studying at franchisees.

SYSTEM ANALYSIS OF LIBRARY WEBSITE PROJECT:-

1.Existing System:

Various problems of physical system are described below :-

- If one is not very careful then there is a possibility of issuing more than one book to a user
- There is a possibility of issuing a book to a user, whose membership is not there
- When a user requests for the a book, one has to physically check for the presence of a book in the library
- Answering management query is a time consuming process.
- · Daily keeping a manual record of changes taking place in the library such as book being issued, book being returned etc. can become cumbersome if the Library size is bigger.

2.Proposed System:

The LIBRARY WEBSITE is a web based application which avoids more manual hours in taking the book, that need to spend in record keeping and generating reports. Maintaining of user details is complex in manual system in terms of agreements, royalty and activities. This all have to be maintained in ledgers or books. Co-coordinators needs to verify each record for small information also.

- Easy search of book in the online library.
- Avoid the manual work.
- User need not go to the library for Issue any kind of book, he can renewal the book online

Tools and Technology :

Hardware Requirement :-

COMPONENT		MINIMUM SPECIFICATION
1. Processor	:	Intel Pentium or more
2. RAM	:	1 GB
3. HDD	:	150 GB

Software Requirement :

Use of Software	Name of Software
1. Operating System	: Window, Ubuntu
2. Front End	: HTML, CSS
3. Text Editor	: Visual Studio Code
4. For Documentation	: MS-Office

MODULES & THEIR DESCRIPTION :

Login component

1. Administrator(Head office manager)
2. Librarian
3. User

Administrator Component

1. Administrator

Librarian Manager Component

1. Librarian Manager

Student Component

1. Books Details
2. Issue Details

MODULES DESCRIPTION:

User: Using login id and password user can use Library online where users can search for books and renew books online. They can recommend for new books by just sending messages to the librarian from anywhere in the college. They can view the issue and return dates of any book and due they have to pay.

Registration: In the Registration module, user has to register himself by supplying his personal information which gets stored in the database which is used as the backend. By registering himself, the user will get his login id and Password so that he can access Library online. Separate Register form should be designed for separate user (Student, Faculty, Librarian) and separate login has to be provided for each user. For example, if the users are students, then student id should be SH001.

Librarian: Librarian is a person who manages the Library. Librarian has the permission that he can access the database. There are some tasks which are performed by the Librarian like:

1. Addition of a new book.
2. Modification of the book.
3. Deletion of the book.
4. Searching of the book.
5. Managing User