# **E-Library**

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## *Introduction : –*

Online Library Management System is a system which maintains the information about the books present in the library, their authors, the members of library to whom books are issued, library staff and all. This is very difficult to organize manually. Maintenance of all this information manually is a very complex task. Owing to the advancement of technology, organization of an Online Library becomes much simple.

***Proposed Solution :*** –

The Online Library Management is to be designed to computerize and automate the operations performed over the information about the members, book issues and returns and all other operations. This computerization of library will help in many instances of its maintenances. It will also reduce the workload of management as most of the manual work done is reduced

It will be used by librarian to manage the library using a computerized system where he/she can add new books, videos and Page sources. Books and student maintenance modules should also be included in this system which would keep track of the students using the library and also a detailed description about the books a library contains. With this computerized system there will be no loss of book record or member record which generally happens when a non-computerized system is used. All these modules are able to help librarian to manage the library with more convenience and in a more efficient way as compared to library systems which are not computerized.

# System Modules:

**Guest Users**

* Guest user can view the book titles available.
* Guest users can also inquiry through contact us page.
* General information about library, timings, categories of books etc.

**Register Users**

* Registration: One time Registration is required to access ELibrary.
* Login: After registration, the user can log in and access various features of ELibrary.
* Search: In this section, users can search for books based on Title, Category, Author, Publisher etc.
* Online Reading: User should be able to read the books online.
* Downloads: If allowed by ADMIN, User should get download button/link to download the book.
* Videos: Various video tutorials can be accessed as available under categories.
* Change Password: In this section, user can change their own password.

**Admin**

Admin is the super user of the website who can manage everything on the website. Admin can log in through the login page

* Dashboard: In this section, Admin can see the overview of books available, users registered, and categories.
* Categories: In this section, the admin can add, and delete the categories.
* Book-Type: In this section, the admin can add, or delete the book type (Book/Video).
* Books: In this section, admin can add, and edit books.
* Download: Admin can set permission either at category or individual book to download
* Videos: In this section, the admin can add and edit videos.
* Report: In this section, Admin can generate report of various books available under each category
* Admin can also update his profile, change the password and recover the password