# DEPARTMENT OF COMPUTERSCIENCE

**ALIGARH MUSLIM UNIVERSITY**

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**Synopsis of E-Healthcare System**

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**Introduction:**

## The objective behind developing this Online Library Management System project is to build a system which can maintain the work of the library on the web based application. This software will contain the features by using of which the library becomes smart and any user will get the information regarding the library instantaneously. This will help the librarian in maintaining the detail of available books in the library while a student can check the availability of the required books. The Online Library Management System project will be web based so the user can access the details of books without going to the library.

## Objective:

The main objective of the Project on Library Management System is to manage the details of Books, Issues, Librarian, Student. It manages all the information about Address, Student. The project is built at administrative and Student end and thus only the administrator is fully access. The purpose of the project is to build an application program to reduce the manual work for managing the Student, Books, Address, Issues. It tracks all the details about the Issues, Librarian, Student.

**Existing System:**

In the available Online Library Management System, librarian maintains the details of each book on the registers so to find out the number of books available in the library they need to go to check the entire entry which makes the process slow. While they need to spend an extra hour to maintain the records of books. For a student who wants to know about a book in the library need to search the entire book section. The student needs to check the status of the book means the last date of book, how many books has issued.

## ****Proposed system:****

The proposed Online Library Management System project will help the students and librarian to maintain the details of the library. A student can view the details of the book issued by them, and the system will notify the students about the last date of submission of books. Student can search book availability without going to library, their location in the library and number of copy remain in library. And renew the book online also.

**System Description:**

The system comprises of 2 major modules with their sub-modules as follows:

**Admin:-**

1. **Login:** Admin can login with his personal id and password.
2. **Manage Books:**

* Add New Books.
* View Current Books
* Remove Book
* Edit Book

1. **Issue Book:** Keep Issue Book details.
2. **Manage Students Accounts:**

* Active
* Canceled
* Blacklisted

**Students:-**

**Login:** Student can login with his email id and password.

**Search Catalog:** Student search book without going to library, by title, author name and subject and check availability of that book.

**Pay Fine:** Member can pay fine online.

**Reserve Book:** Student can reserve book online and issue after some time.

**Renew Book:** Student can renew book online.

**Tools/Platforms, Hardware and Software Requirements:**

**Hardware Requirements**

Processor : i3 CPU 1.90 GHz

RAM : 4GB RAM

**Software Requirements**

Operating System : Windows 7 or above

Developing Tool : VS code

Database : MySQL

**Language to be used**

Frond End : HTML, CSS, JavaScript

Back End : Python(Django)