A college library management is a project that manages and stores books information electronically according to student’s needs. The system helps both students and library manager to keep a constant track of all the books available in the library. It allows both the admin and the student to search for the desired book. It becomes necessary for colleges to keep a continuous check on the books issued and returned and even calculate fine. This task if carried out manually will be tedious and includes chances of mistakes. These errors are avoided by allowing the system to keep track of information such as issue date, last date to return the book and even fine information and thus there is no need to keep manual track of this information which thereby avoids chances of mistakes.

Thus, this system reduces manual work to a great extent allows smooth flow of library activities by removing chances of errors in the details.

## **Key Features Of Library Management Project**

1.Membership Administration

Keeping a thorough database of the members, the Management System stores each user's name, ID, and password for aiding in determining the member's history. The software is user-friendly and improves the effectiveness of the librarian and library administration.

2.Scanning & Bar-Coding

All books, whether new or old, have bar codes that are based on the book's title, author, subject, and publication date. The RFID sensors on the other hand are used to quickly read barcodes when books are scanned upon issuance or return so that the database is automatically updated.

3.Online Access

Access to several affiliated libraries is made possible through the web-based library management system software. This broadens the search space, greatly enhancing the user experience.

4.Self Management

To self-check-in and self-check-out books, the members of digital libraries can log in, search for, choose, issue, and return books on their own thanks to the library management system software.

5.Management Of Fees

The fine that is owed for lost, damaged, or non-returned books is calculated by the program. The mechanism notifies the members of the fines.

6.Catalog Circulation

To keep track of book movement and maintain an electronic inventory of the library's holdings, the Library Management Software provides a seamless process of any book's whereabouts at any given time.