

ABSTRACT

The functions and resources of a library are managed by the library management system, a piece of software. This technology automates a variety of library functions, such as circulation, procurement, and stock maintenance. The librarian may effortlessly complete a variety of tasks, including adding, modifying, and deleting books, searching for books, maintaining borrower information, and generating reports, thanks to the library management system's effective and user-friendly interface. The system is designed to provide library staff and users with prompt and accurate information while ensuring efficient and effective management of the library's resources. The system uses a single database to keep track of all information about books, borrowers, and library transactions in order to maintain data accuracy and consistency. Additionally, the library management system offers security capabilities to guarantee the protection of the library's resources and prevent unauthorized access. With the aid of this system, librarians can efficiently run the library and give customers a better experience.