PROJECT TOPIC: *Library Management System*

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LIBRARY MANAGEMENT SYSTEM

Abstract

The aim of Library Management System is to create efficient and user friendly platform for managing books, journals, magazines and will perform operations like adding books and users, update data, keeping track of borrowing and returning, generate reports.

Functionalities

- WhatsApp alert for notifying the user about due date of the book before its return date.
- Even after the overdue of the book and the book is not returned, another WhatsApp alert mentioning its fine amount and details of the book.
- User can pay fine by online payment.
- Book availability notification.
- Teachers/Users can request for new books, journals etc.
- Recommendation for books according to the history of book usage by the users.
- User review and rating.

Types of Users

1. Admin/Librarians
2. Students
3. Teachers

Admin/Librarians

- Have overall control over system.
- Have administrative privilege.
- It can add users, books, magazines, journals
- Update data
- Organize books into categories
- Handling borrowing and returning
- Generate report
- Admin can give access to users for accessing digital resources such as online journals, e-book etc.

Students & Teachers

- They can search for the books, magazines, journals
- Check availability
- Make reservation

- These users can access specific materials for studying or teaching purpose according to their roles.
- Teachers can request for new materials (Books, journal etc.).
- Those issued books has can be used for a predefined number of days and it should be returned on or before the due date.
- User receives WhatsApp alert as reminders to about the due date and return before or else fine have to be paid.
- User receives WhatsApp alert after the due date if the book is not yet returned, including the fine amount details.
- User can pay fine by online payment
- Book availability notification
- Recommendation for books according to the history of book usage by users.

Benefits of The System

- It reduces the staff workload
- Increases accuracy and efficiency
- Time saving
- User friendly interface
- Faster check-in and check-out facility
- Efficient organization
- Recommendation for books according to the history of book usage.
- Increases user efficiency

Technology Used

Front-End: HTML, CSS, JavaScript
Back-End: Python Django

REFERENCES

- College Library