

FINAL YEAR PROJECT · B.TECH INFORMATION TECHNOLOGY

Online Library Management System

Search, issue and return books from one
web portal

PRESENTED BY

**Aarav Sharma · Diya
Patel**

GUIDED BY

Prof. R. K. Mehta

DEPARTMENT

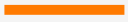
**Information
Technology, 2025–26**



Agenda

- 01** Introduction
 - 02** Literature & Gap
 - 03** Proposed System
 - 04** Implementation
 - 05** Results
 - 06** Conclusion
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**Students spend more time
finding a book than reading
it.**

Why this project matters

Literature survey

Study	Approach	Limitation
Koha (open source)	Full ILS suite	Complex for small colleges
Excel registers	Spreadsheet tracking	No access control
Barcode systems	Scanner-based issue	No student portal

Representative summaries — replace with your own citations.

System architecture

1 Catalogue

Books added with ISBN and copies

2 Search

Students search and reserve

3 Circulate

Issue and return with due dates

4 Report

Stock, fines and usage reports

Project timeline

Jul

Requirement study

Survey of users and existing tools

Sep–Oct

Development

Modules built and unit tested

Dec

Report

Documentation and final review

Aug

Design

Architecture, database and UI wireframes

Nov

Testing

Integration and field testing

Implementation snapshots



Image 1

Catalogue search

Filters by subject and availability



Image 2

Issue desk

Librarian issues a book in two clicks

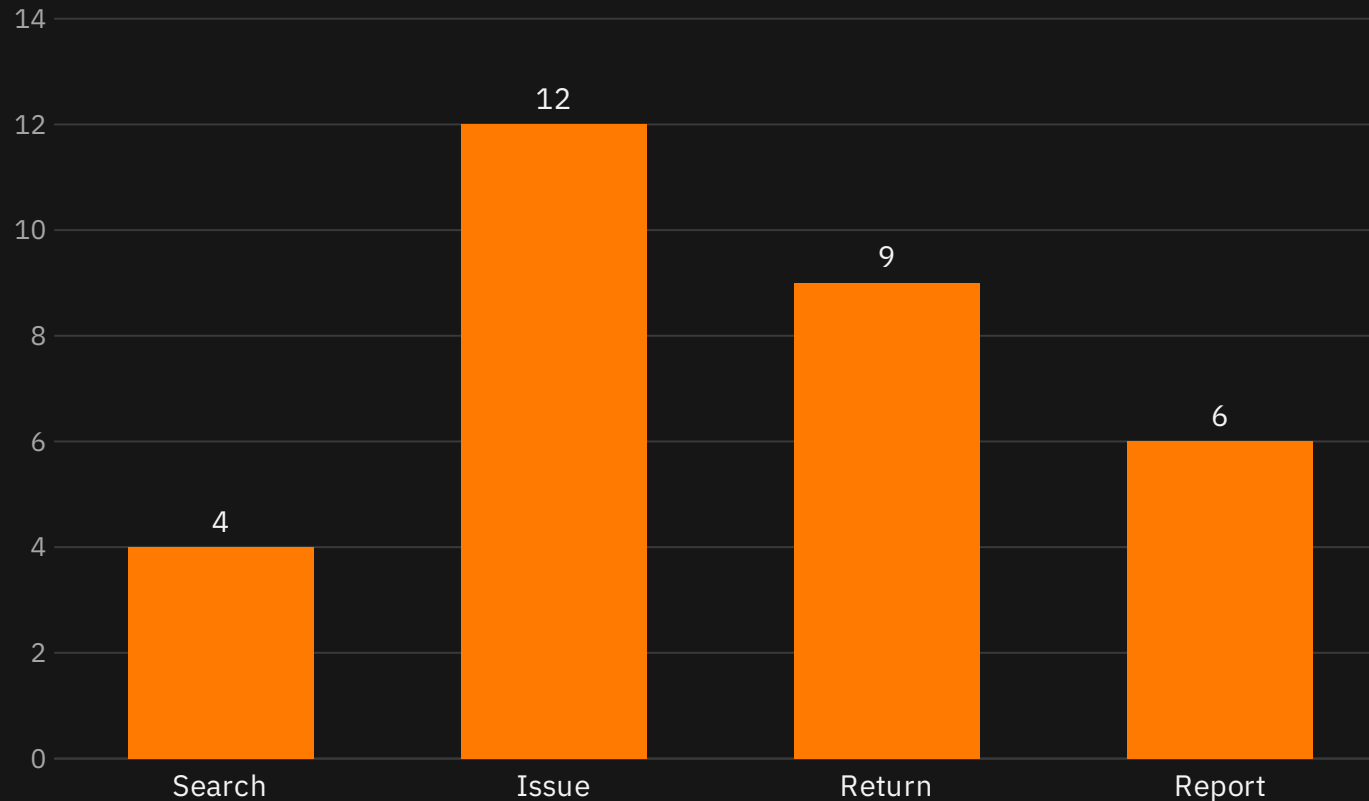


Image 3

Student account

Loans, due dates and fines

Results



Sample data for illustration — replace with your own figures.

5x

faster issue and return

Common library tasks now take seconds instead of minutes at the counter.

Conclusion

- The portal replaces slow paper processes
- Automatic fines and reminders reduce late returns
- Reports help plan purchases



Image

References

- [1] A. Author, “Title of the paper,” Journal Name, vol. 12, pp. 1–10, 2023.
- [2] B. Author and C. Author, Book Title, 2nd ed. Publisher, 2022.
- [3] D. Author, “Conference paper title,” in Proc. Conference, 2024.
- [4] Official documentation of the tools used (accessed 2025).



Image

Thank you

Questions and suggestions are welcome.

Aarav Sharma · Diya Patel
Dept. of Information Technology

