

Digital Library Management System

Tanvi. Kulkarni¹, Shreya. Taru², Priyanka. Ambekar³, Vrunali. Gadekar⁴, S.J. Patil⁵

^{1,2,3,4,5}Department of Information Technology, Pimpri Chinchwad Polytechnic, Pune, Maharashtra

Abstract - Now Digital Library is refer to Information system (IS) and services that provide electronic document textless, digital sound, video- available in dynamic or archival repositories/ collection. They also include digital hypertext, hypermedia multimedia compositions (Yerkey, 1996). [personal option]. A digital library is understood to have the information stored predominantly in electronic or digital medium such as digital books, scanned images, graphics, textual numeric data, lms, audio and clips etc. Digital Library is in a transitory phase towards the Universal library, a vast distributed information and active adieus repository accessible from anywhere with an increasing improved indexing, extraction and summarization techniques. Digital libraries aim at unhindered access to contents over computer and communication networks and the information, the Infrastructure Technology and Application (IITA) working group considers digital libraries.

Key Words: P2P, PAIS, DTN

1. INTRODUCTION

The software to be implemented is on **Digital Library Management System**. Here there are 2 users. They are The Admin and the receptionist. The first process is the registration of the users who visits to the library. All the details will be entered in the software. Admin has the authority to add, delete modify the details of the book that are available. Admin also have authority to alert the users, before the due date.

The user itself has to first register and then login by some required details asked by the system.

If the book is not available, the user cannot issue the book, whereas, he/she can access online pdf of book only if book is not available.

1.1 Admin

Login

Upload Book and manually put the book in rack.

A. Login

Admin will login in into the system

B. Upload File

Here Administrator will upload number of books into the system database.

This database is an structured database i.e. sorted.

C. Alert

The Admin has the authority to send alerts to the users for returning the book before the due date.

1.2 User

Registration

Login

Search for Book

A. Registration

User will register into the system with its own simple details.

B. Login

For login the user will enter the user name and password, if entered information is correct then the system will redirect to the home page, otherwise it will show an error message.

C. Search for Book

After login the user will search for book which he/she required.

Then user will get ranked data from structured database.

Then he/she can download the book and check the result

Otherwise he/she will check the no. of copies of the book and status of a book.

System

Existing System

In "Library Management Software's to handle the entire activity of a library. The student will find it simple in this digitized system rather than using the manual writing system. The software consist a database where all the details will be stored secured. The system is efficient and easy to understand, error less.

Disadvantages:

- Manually difficult to find
- Existing system is time consuming
- Can't identify book location automatically

Propose System

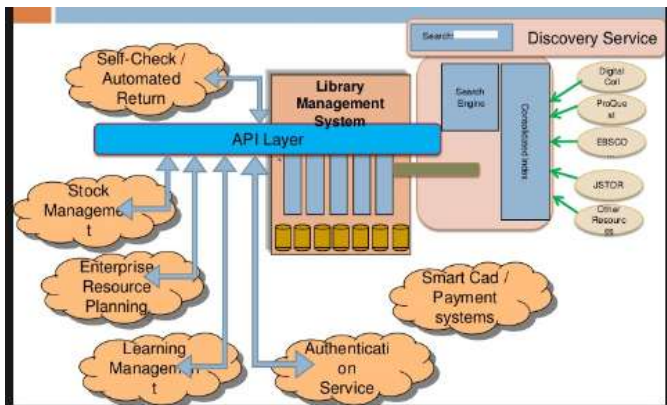
In "Library Management Software" is to handle the entire activity of a library. The software keeps track of all the information about the books in the library, their cost, their complete details and total number of books available in the Library. The user will find it easy in this automated system rather than using the manual writing system. The system contains a database where all the information will be stored safely. The system is user-friendly and error free.

We are adding new feature in track the book location from the software as well checks the book is available in website if the book is available then user can easily download the book and user getting all details about the book.

Advantages:

- Manually difficult to find
- Existing system is time consuming
- Can't identify book location automatically

[5] Boss, R. W. (2008), "Open Source Integrated Library System Software", PLA Tech Notes, available at: <https://alair.ala.org/bitstream/handle/11213/258/Open%20Source.pdf?sequence=3&isAllowed=y> (accessed 25 September 2014)



3. CONCLUSION

Library Management System our project allows the admin to store all the book details and the user/student/borrowers details. The system is strong enough to withstand the operations under the conditions where the database is maintained and cleared over a certain time of span. The implementation of the system in the organization will reduce the manual efforts, time, and it is also a smart way of storing the library data.

REFERENCES

[1] Avanti (n. d.), available at: <http://www.avantibrarysystems.com/microcls.html> (accessed 25 November 2013)

[2] Balnaves, E. (2008), Australian Academic & Research Libraries. Vol.39 No. 1, pp. 1-13. , available at: <http://www.tandfonline.com/doi/pdf/10.1080/00048623.2008.10721320>

[3] Biblioteqonline (n. d.), available at: <http://code.google.com/p/biblioteqonline/> (accessed 30 October 2014)

[4] Boss, R. W. (2005), "Open Source Integrated Library System Software", available at: <https://alair.ala.org/bitstream/handle/11213/258/Open%20Source%20ILS%20Software.pdf?sequence=101&isAllowed=y> (accessed 30 September 2014)