

# PROJECT REPORT ON SIMPLE LIBRARY MANAGEMENT SYSTEM

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# INTRODUCTION

- The project titled library management system is library management software for monitoring and controlling the transactions in a library. The project “Simple library management system” is develop in php, which mainly focuses on basic operations in a library like adding new book, and updating new information, searching books and members and return books
- This project of “Simple library management system” of give us the complete information about the library, we can issue the book of the student and maintain their record and can also check how, many books are issued and stock available in the library.

# ABSTRACT

- The Simple library management system is an application for assisting a librarian in managing a book library in a university. The system would provide basic set of feature to add/update members, add/update books, and manage check in specification in for the system based on the client's statement of need.

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# ADVANTAGES of SIMPLE LIBRARY MANAGEMENT SYSTEM

- **Simple and easy to use:-** The library management software is simple user friendly can be easily integrated with your existing system. The “LMS” benefits provide online and offline storage, automated backup and easy upgrades to simplify and enhance the learning process.
- **Increased library engagement:-** Avoid frustration and tediousness by providing students with 24/7 accessed to library resources from anywhere any time. Library management software allow the librarian to maintain all type of books, ebooks photos ,videos and create event .



• **Highly secure, scalable and reliable:-** College libraries benefit for scalable infrastructure rolebased secure access high performance and reliable to ensure seamless access to library database.

**Fully Customizable :-** The library automation system is fully customizable and adaptable to the needs of educational institution to provide fast reliable data.

**Innovation:-** Student can search write article, upload photo and videos , and manage email, send messages, but also help them to keep up with the librarian and other student via chat, discussion forums, and social media.


**Error\_Free:-** The automated library software is user\_firendly, powerful and developed for easy entry of data, make library operation free from errors.

**Dynamic report:-** Maximize the performance of libraries with dynamic reports, charts and graph to review and track the progres for better decision making.

# DISADVANTAGES OF SIMPLE LIBRARY MANAGEMENT SYSTEM

- 1. **COPYRIGHT:-** Digitization violates the copy right law because the thought content of 1 author are often freely transfer by other without his acknowledgement. So One difficulty to beat fox digital libraries is that the thanks to distribute information.
- 2. **SPEED OF ACCESS:-** As more and more computer are connected to the web its speed of access reasonably decreasing. If new technology won't evolve to unravel the matter then in near future internet are going to be filled with error messages.
- 3. the into stored is susceptible to cyber hacks. Choosing a reliable online system eliminates the risk
- 4. Costly and Expensive
- 5. Complicated to operate



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- 5. Online Systems require high- speed internet connectivity.
  - 7. Risk of Computer virus.
  - 8. The automation feature isn't available in offline/open. source systems thus, requires manual action to perform operations
  - 9. Unlike online systems that utilize cloud computing, Open - Ro Lace systems store data on Computer disk drive. This increases the danger of knowledge loss.

# SOFTWARE AND HARDWARE REQUIREMENTS

- **SOFTWARE REQUIREMENTS-** Operating system windows 7 is used as the operating. system as it is stable and supports more features and is more user friendly.
- **Database Mysql:-** MySQL is used as database as it easy to maintain and retrieve records by simple queries which are in English language which are easy to understand and easy to write.
- **Development tools and programming language-** HTML is used to write the whole code and develop webpages with css, javascript for styling work and php server side scripting.
- **HARDWARE REQUIREMENTS:-** Intel Core i5 2nd generation is used as a processor because it is Thy fast than other processors on provide reliable and stable and we can run our pc for long time.
- By using this processor we can keep on developing our project without any worries.
- Ram 1gb is used as it will provide fast reading and writing capabilities and will in turn support in processing.

## **EXISTING SYSTEM**

- Early days libraries are managed manually. It required tot of time to record or to retrieve the details. The employees who have to record the details must perform their job very carefully .Even a small mistake would create a lot of problems Security of information is very less. Report generations of all the information is very tough task.
- Maintenance of library catalogue and arrangement of the books to the catalogue is very complex task.
- All the operations must be performed in perfect manner for the maintenance of the library with out any finally in the failure of the entire system.

## **PROPOSED SYSTEM**

The students will register them through online. Individually each member will have his account through which he can access the information he needs. . Book details like authors, number of copies totally maintained 7 by library, present available number of books, reference books non-reference books etc. all this information can be made handy.

- Regarding the members designation number of books was issued. Issue dates and returns of each member is maintained separately Administrator can add update the books.

# SOFTWARE TOOLS USED

- **HTML :-** HTML (Hyper Text markup language) is the main markup language creating web pages and other information that can be displayed in a web browser.
- HTML is written in the form of -HTML elements consisting of tags enclosed in angle brackets( like <html > ).
- Although some tags represent empty elements. and so are unpaired, e.g. <img >. The first tog in a pair is the start tag, and the second tag is the end tag.
- **PHP:-** PHP (Hyper Text Preprocessor) is a server-side scripting language designed for web development but also used as a general.
- Purpose programming language. PHP is now installed on 244 million websites and 21 million web servers. more than Originally created by Rasmus lerdorf in 1995. while PHP originally stood for Personal Home Page.
- A recursive backronym . PHP is a free software released under the PHP license. PHP can he deployed go most web servers and also as a standalone shell on almost every operating system and platform, free of charge.
- **Mysql:-** Mysql ( 'My S.Q-1", officially but also called "My sequel") is (as of July 2013) the world's second most widely used open-source. Irrelational database management system (RDBMS).
- The Mysql development project has made its source code available under the terms of the GNU General Public license, as well as under a variety.

# PROJECT AIMS AND OBJECTIVES

- Online book reading.
- A search column to search availability of books.
- Facility to download required book.
- Video tutorial for students.
- An Admin login page where admin can add books, videos or page source.
- Open link for learning websites.

# BACKGROUND OF PROJECTS

- Simple library management System is an application which refers to library systems which are generally small or medium in size. It is used by librarian to manage the library using a computerized system where he/the can add new books, video and Page source.
- Book and student maintenance modules are also included in this system which would keep track of the students using the library and also a detailed description about the books a library contains.
- All these modules size able to help librarian to manage the library with more convenience and in a more efficient way as compared to library systems which are not computerized.

# CONCLUSION AND FUTURE SCOPE

- This website provides a computerized version of Simple library -Management system which will benefit the students as well as the staff of the library.
- It makes entire process online where student can search books, staff can generate reports and do book transactions. It also has a facility for, student can login and can see status of books issued as well request for book or give some suggestions. It has a facility of teacher's login where teachers can add lectures notes and also give necessary suggestion. to library and also add info about workshops or events happening in our college or nearby college in the online notice board.
- There is a future scope of this facility that many more features such as online lectures video tutorials can be added by teachers as well as online assignments submission facility, a feature of group chat where students can discuss various issues of engineering can be added this project thus making it more interactive more user friendly and project which fullfills each users need in the best way possible.