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A MAJOR PROJECT REPORT ON

**“ ONLINE LIBRARY MANAGEMENT SYSTEM ”**

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**VIVEKANAND ARTS, SARDAR DALIPSINGH COMMERCE**

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**CERTIFICATE**

This is to certify that, the mini project report entitled **“ ONLINE LIBRARY MANAGEMENT SYSTEM ”** In the subject of vb.net has been successfully completed and submitted by

as per requirement of Dr.Babasaheb Ambedkar Marathwada University, Aurangabad, in Fulfillment of **Bachelor of Computer Science 3rd Year for Academic Year 2021-22.**

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**Examiner**

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**Submitted by:**

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**ONLINE LIBRARY MANAGEMENT SYSTEM**

**1.INTRODUCTION:-**

This is an online project devloped using HTML,Javascript MySQL and PHP.Online Library management system is an automated library system that handles the various functions of the library.It provides a complete solution to the library management software.

The “Library Management system” has been developed to ovrride the problems prevaling in the practicing manual system.This software to eliminate and in some cases reduce the hardships facedby this existing to arry out operations in a sooth and effictive manmer

The application is reduced as much as possible to avoid errors while entering the data.It also provides error message while entering invaild data.No formal knowledge is needed for user to use this system.Thus by this all it proves it is user-friendly.Library Management system,as described above ,can lead to error free,secure,reliable and fast management system.It can assist the user to concentrate on their other activities rather to concentrate on the record keeping.Thus it will help orgnization in better utilization of resources

Every organiztion,whrther big or small,has challenges to overcome and managing the information of books,students,librarian, Address,member.Every library Management system has different student needs, which will allow you to manage your workforce anytime,at all times These system will ultimately allow you to better manage resources.

Library plays an important role in all school and colleges.no educational institution can exist withour library Administrations software. It is an important part of every school and college and it helps the librarian to keep records of available books as well as issued books.Library management system software helps in different ways by providing students the facility to learn,gather resources,promote group learning and improve knoledge and skill.

**01**

**2Existing System And Need For System**

We have made the most comfortable system for the registration In the available online library management system,librarian maintains the details of each book on the registers so to find out the number of books available in the library they need to go to check the entire entry which makes the process slow. While they need to spend an extra hour to maintain the records of books. For a student who wants to know about a book in the library needs to search the entire book section.The student needs to chchech the status of the book means the last date of book,how many books has issued.

If staff demand for book then librarian fill up person and book information and issues book, system analysis is a study and their relationships with other system.Here the primary question is what all problems exist in the current system, what should be done to solve these problem,Analysis beging when a user or manager starts a study for the program using existing system.

* **Need For The System**

1.Increase efficiency.

2.Reduces the library management cost.

3.saves time.

4.Increases the productivity library workers.

5.Enhances reporting and monitoring.

**02**

**3.Scope Of Work:-**

The scope of online management system includes

* Create distinct product users based on their roles and permissions.
* Authenticate users at their login.
* Provide the list of books the users can borrow.
* Facility to reserve books that are available
* A status page for all users to view books reserved by them
* Facility to cancel the reservation for a book made earlier
* An interface to view and edit the own profile
* Providing interface to add or delete books to staffs.

03

## 4.System Requirement

* **Hardware Requirement:**
  + Hardware - Pentium
  + Speed - 1.1 GHz
  + RAM - 1GB
  + Hard Disk - 20 GB
  + Floppy Drive - 1.44 MB
  + Key Board - Standard Windows Keyboard
  + Mouse - Two or Three Button Mouse
  + Monitor - SVGA
* **Software Requirements:**
* Operating System : Windows
* Technology : PHP
* Web Technologies : Html, JavaScript, CSS,PHP
* IDE : Notepad++
* Web Server : XAMP
* Database : My SQL

04

**5.Detailed Description Of Techonolgy Used**

* **Barcode System**

Barcode are used in libraries to label books.magzines,CD and DVD.Each and every books and other items are assigned unique 12-digit barcodes.It contains all information about the product. In library managemen system. Whenever a student return or issue a book the system fetch the barcode number and we can make entry of book in computer systematically.Library management system helps in systematic management of books

* Tools Used In Barcode System
* Labels
* Scanner
* Printer
* **Benefits Of Using Barcode System Are**
* Improved inventory management.
* Faster check-in and check-out facility.
* Reduced staff workload.
* Increase accuracy and efficiency.
* Improve circulation capabilities

05

**6.Objective Of System**

The main objective of the library management system is to manage the details of address,member,issues,books,students.It manages all the information about address,librarian,student,address.The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the address,member,librarian,issues. It tracks all the details about the issues,books,student.

The objective behind developing this online library management system project is to build a system which can maintain the work of the library will contain the features by using of which the library becomes smart and any user will get the information redarding the library instantaneously. This will help the librarian in maintaining the detail of available books in the library while a student can check the availablility of the required books. The online libeary management system project will be web based so the user can access the details of books without going to the library

* **Modules**

In this project consist of the different types of module. The modules are:

1.Admin module

2.Student module

1.Admin Module:-

This module will be the most important part of the system as it will vailate the new students,will add the teachers to the system,will add the details about new books into the system,will generate the report of the work.

2. Student module:-

The student module further divides into several other modules

i.Student Registration:

By use of this module a student can connent to the system.The student will need to enter the information related to is him,and then they will get an ID and password

ii. Login:

The student can access the system just they have to enter the ID and password they got at the time of registration

**06**

**7.Proposed System:-**

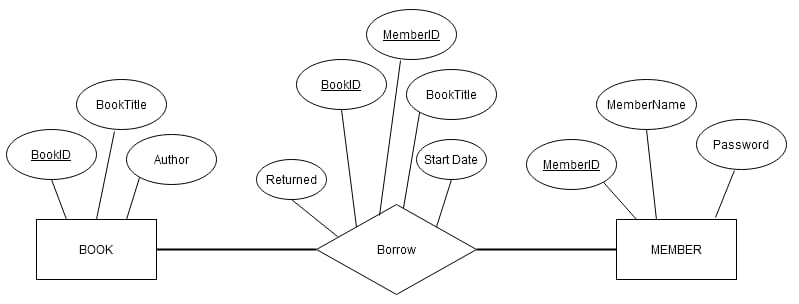
The proposed online management system project will help the student and librarian to maintain the details of the library. It will assist the librarian before the shortage of boks while they can know the details of the number of currently available in the library according to the author by accssing the system. A student can view the details of the book issued by them, and the system will notify the students about the last date of submission of books. At the time of issue of a book,the student will get assisted by the system about different authors of a similar book so that they can get the best available book from the library.

07

**8.User Requirements**

* Provide the information regarding books.
* Search for the required books from database.
* Add new book to the database.
* Update the number of books in database.
* Enter data of issued book in database.
* Information of returned books.

08

**ER Diagram **

Password

Admin ID

Admin

**09**

# 10.BIBLIOGRAPHY

## REFERENCE BOOKS:-

* + HTML5 Handbook

SSI Press

* + Approach to PHP Black Book

By Comdex Publishing

* + Javascript basics

By Steve brown

**B)REFERENCE WEBSITES:-**

* + [www.w3schools.com](http://www.google.com/)