- Guide Name : Sanjay Bhandari
- Prepared By:

Dharmik Tank (170200107118)

Dishant Loriya (170200107059)

Yogesh Bavisihi (170200107003)

Harsh Joshi (170200107046)

#### LIBRARY MANAGEMENT SYSTEM



# Introduction

- A library management system, also known as an automated library system is software that has been developed to handle basic housekeeping functions of a library.
- It's a well organized software solution for a library.
- It help to provide information on any book present in library to the user as well as staff member.
- It keeps a track of book issued, returned and added to library.

# Drawbacks of current system

- Provides the facility of books only during the working hours of the University.
- The record keeping can create problems while maintaining.
- Record of the receipt of the new books is kept in written which can create problem in handling it.
- Workload to the staff members and no use of human resources.

### Advantages of proposed system

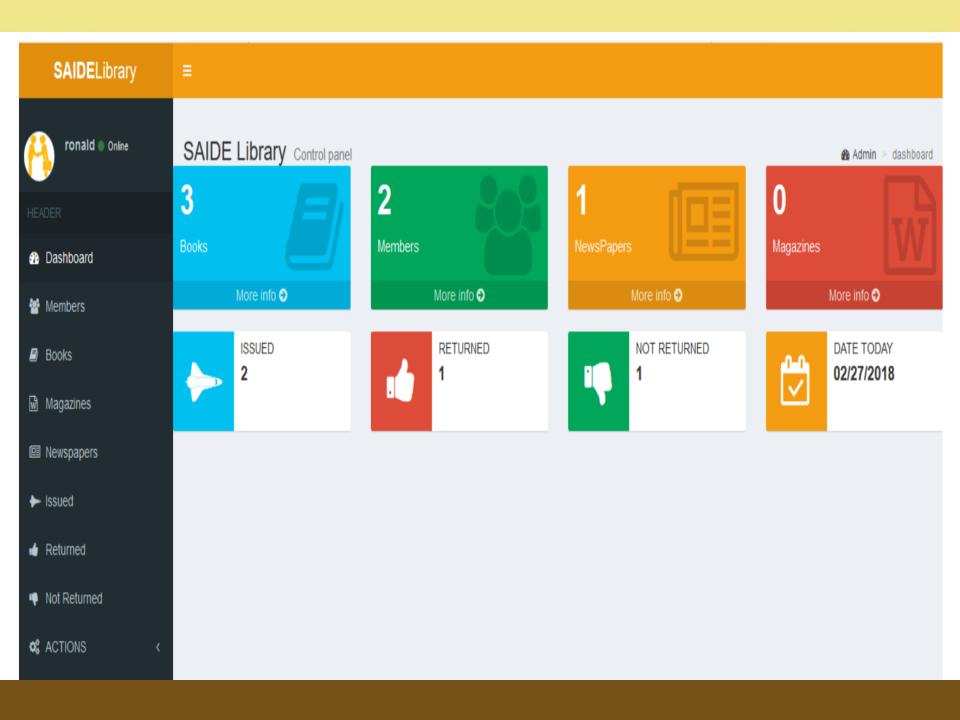
- A 24-hour library management.
- Students according to their needs get the books issued and in case they are unable to return the book, they can immediately extend the date of return.
- Maintenance of the books becomes easy for the staff.
- The transactions are maintained online.
- Students as well as teachers can search for any book, magazine, Journal, member etc.

# Technology Stack

- Front-End:
  - HTML, CSS, JS
- Back-End:
  - PHP
- Database:
  - My\_SQL

# **Front-End Design**





#### **Database Design**

- > Student Table
- ➤ Book Table
- > Admin Table
- > Teacher Table
- > Issue Return Table

### **Student Table**

Sr. No.	Field Name	Data Type	Size
I	Enrollment	Varchar	12
2	First Name	Varchar	255
3	Last Name	Varchar	255
4	Contact	Number	10
5	Address	Text	255
6	Password	Text	255
7	Gender	Varchar	10
8	DOB	Date	
9	Email	Text	255

## **Book Table**

Sr. No.	Field Name	Data Type	Size
I	ISBN	Varchar	255
2	Name	Varchar	255
3	Author	Varchar	255
4	Publisher	Text	10
5	Price	Number	10
6	Edition	Number	10
7	Subject	Varchar	255
8	Branch	Text	255

#### **Issue Return Table**

Sr. No.	Field Name	Data Type	Size
I	Enrollment	int	12
2	Date_Issue	Date	
3	Date_Return	Date	
4	Expire_Date	Date	
5	Fine	int	10
<b>7</b> 6	Copies_available	int	10

Thank You