



PARSHVANATH CHARITABLE TRUST'S

# A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Data Science

## **E-Library Management System**

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**Project Guide -**

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## ➤ **Introduction :**

- Library management system , also called an AUTOMATED LIBRARY SYSTEM
- Defined as a software that has been established to manage basic housekeeping function of a library
- LMS helps to provide information on any book present in the library to the user as well as the staff of any Institution
- Also helps to keep a track of book published , Given in return and added to the library

## ➤ **Solution Proposed :**

- Library Management System software reduces the need for manpower and stationary , which leads to lower operational costs
- The system also saves time for both , the user and the Librarian

## ➤ **Objectives :**

- Fast communication with electronic and computerized service
- Users can see the latest edition of the library stock
- Reduce theft of books
- Reduces the duplication of work
- Online facility helps in smooth functioning of library functions

## ➤ **Features:**

- It is Cost Effective
- Keep record of complete information of a book like title , author name , publisher name , etc
- Simple , clear search interface for all users
- Easy Way to enter new books
- It is user-friendly software
- Easy to maintain database

## ➤ **Scope :**

- The system is convenient and flexible to be used. It saves their time, efforts, money and resources
- Can update, create, and delete the record of Membership as per requirement
- Quick Report View like Book Issued / Registered Students etc
- Book Stock verification facility
- The user information files can be stored in centralized database which can be maintained by the system

## ➤ **Project Outcome :**

- It is an easy way to enter new books into the System
- Using Library Management System , it is easy to maintain database and can be updated periodically and at user's wish
- It also helps to keep record of complete information of a book like title , author name , publisher name , price of any / each book etc
- Simple , clear search interface for all users , admins / teachers

# ➤ **Technology Stack :**

## ➤ FRONT END :-

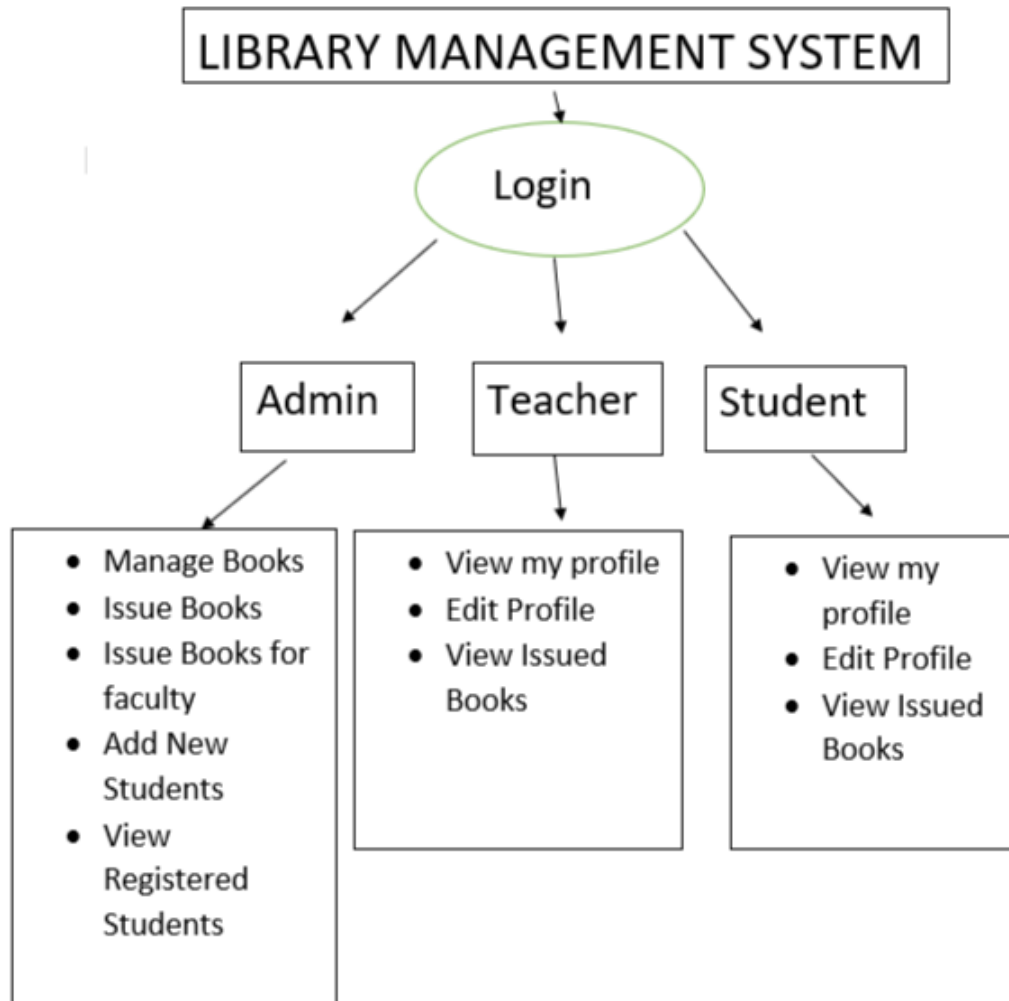
- Netbeans IDE 14
- Java JDK 17

## ➤ BACK END :-

- MySQL Workbench 8



## ➤ Block Diagram :-



Thank You...!!