Gujarat Vidyapith

Department of Computer Science

Progress Report

Project Title: Library Management System (LMS)

Class: MCA (Sem-3)

Submitted by: Darshan Sarvaiya (**212308014**) &

Drashti Gosai (**212308016**)

Internal guide: Dr. Neepa Shah

Time Period Covered by Report: 01/05/2024 to 30/09/2024

- **About:**

    A **Library Management System (LMS)** is a software designed to automate and manage key library functions such as user registration, book catalogue, and circulation. Admin can register users, user and admin log in, and browse available books, while admins manage the book inventory, user roles, and transactions. The system allows users to borrow books with a due date, tracks returns, and calculates fines for late returns. Admins can generate reports on book usage, user activity, and fines, ensuring efficient resource management. By automating tasks like issuing and returning books, the LMS enhances the overall functionality and efficiency of the library.

- **Components:**
    - Database Design and Setup
    - User Management
    - Book Management
    - Book Rental System
    - Reporting
    - Security and Authentication

- **Project Period:**
    - ***Start Date**: May 2024*
    - ***End Date**: Ongoing*

- **Current Status**:
    - The system's database structure has been created and key functionalities such as user management, book management, and reports have been developed.
    - Next steps include for penalty system on return book which are ongoing
    - Handles all transaction of books with penalty system are also remaining

1. Meeting

Meeting Purpose:	Project Meeting
Meeting Date:	28-April-2024
Meeting Time:	11:00 am to 12:30 pm
Meeting Location:	Emerging five private limited
Attendees:	Darshan Vijaybhai (212308014)

Next Steps: (Task, Assigned to)	Assign
Assigning the projects by the company	Jugal Hadvadiya
Final work will be present in google sheets and must be verified by there resources or scheme links.	Jugal Hadvadiya
We have to design data dictionary on Library management System	Jugal Hadvadiya

Discussion: (Items/Knowledge Shared)
We've discussed about front-end and back-end technology. Then give a project title to us (Library management System).   Discuss about the how Library system works and how to implement it.

2. Meeting

Meeting Purpose:	MCA-3 Project Meeting
Meeting Date:	30-April-2024
Meeting Time:	2:30 pm to 03:00 pm
Meeting Location:	Dr. Neepa Shah's Office
Attendees:	Dr. Neepa Shah, Darshan Sarvaiya, Drashti Gosai

Next Steps: (Task, Assigned to)	**Assign**
Discuss about project definition	Dr. Neepa Shah
Which diagrams we have to draw for our projects and how system works	Dr. Neepa Shah

Discussion: (Items/Knowledge Shared)
On 30th April, We discussed about the library management system. After that we have to design a data dictionary before May. All the data dictionary must be accomplished.
MoM report created and send by Darshan (212308014).

3. Meeting

Meeting Purpose:	Project Meeting
Meeting Date:	22-May-2024
Meeting Time:	04:00 pm to 04:30 pm
Meeting Location:	Emerging five private limited (Online)
Attendees:	Darshan Vijaybhai (212308014) , Drashti Gosai (212308016)

Next Steps: (Task, Assigned to)	**Assign**
Check our data dictionary and correction on it.	Jugal Hadvadiya
Start implementation front-end and back-end technology on library management system.	Jugal Hadvadiya

Discussion: (Items/Knowledge Shared)
We've discussed about Data dictionary and changes on it. Then start working on our system's front-end and back-end technology of Library management System. Discuss about the how Library system works and how to implement it.

4. Meeting

Meeting Purpose:	MCA-3 Project Meeting
Meeting Date:	24-May-2024
Meeting Time:	10:00 am to 03:00 pm
Meeting Location:	Dr. Neepa Shah's Office
Attendees:	Dr. Neepa Shah, Darshan Sarvaiya (212308014)

Next Steps: (Task, Assigned to)	**Assign**
Check our System's diagram (System flow diagram, ER diagram, Use case diagram for admin and user, Data flow diagram level-0,1,2)	Dr. Neepa Shah
Discuss about how to Implements modules work in our system	Dr. Neepa Shah

Discussion: (Items/Knowledge Shared)
On 24th May, Checking our diagrams and change on it according to our system and also checks data dictionary. All the data dictionary must be accomplished. Report created and send by Darshan (212308014).

5. Meeting

Meeting Purpose:	Project Meeting
Meeting Date:	22-June-2024
Meeting Time:	11:00 am to 02:00 pm
Meeting Location:	Emerging five private limited
Attendees:	Darshan Vijaybhai (212308014)

Next Steps: (Task, Assigned to)	**Assign**
Implement the user interface more attractive and reliable for user	Jugal Hadvadiya
Check our authentication and back-end technology	Jugal Hadvadiya
Check registration page integrated with Mail system	Jugal Hadvadiya

Discussion: (Items/Knowledge Shared)
We've discussed about what is authentication and authorization then how to implement on it.   Manage our session for authentication and how to protect our system.

6. Meeting

Meeting Purpose:	MCA-3 Project Meeting
Meeting Date:	17-August-2024
Meeting Time:	09:15 am to 09:45 pm
Meeting Location:	Dr. Neepa Shah's Office
Attendees:	Dr. Neepa Shah, Darshan Sarvaiya (212308014), Drashti Gosai (212308016)

Next Steps: (Task, Assigned to)	**Assign**
Add more attributes on our book table	Dr. Neepa Shah
Add drop down menu on languages, formats, etc while admin adding books for more reliable	Dr. Neepa Shah
On return book we have to use more functionality	Dr. Neepa Shah

Discussion: (Items/Knowledge Shared)
We are using java-servlet ant project that's why we cannot integrate with any third party payment system.

Submitted By   **Internal Guide**

Darshan Sarvaiya (212308014**)**   **_____**

Drashti Gosai (212308016**)**   **Dr. Neepa Shah**