

LOG BOOK

FOR

“Skill-Enhancement Community”

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Log Book

The Logbook includes the following contents. The details should be included with appropriate split up week wise for **SY Semester Project-I . (Sem-III, 2025-26)**

Sr.No.	Contents	Weekly Date
I.	Group Establishment	28/07/2025 to 02/08/2025
II.	Topic Selection	04/08/2025 to 16/08/2025
III.	Requirement Analysis & system Overview	18/08/2025 to 23/08/2025
IV.	System Architecture Design	28/08/2025 to 02/09/2025
V.	Phase 1 of Implementation	3/09/2025 to 13/09/2025
VI.	Combined Design & Implementation	15/09/2025 to 20/09/2025
VII.	Phase 2 of Implementation	22/09/2025 to 04/10/2025
VIII	Phase 3 of Implementation	06/10/2025 to 18/10/2025
IX.	System Testing	29/10/2025 to 02/11/20225
X.	Final Results & Analysis	03/11/2025 to 08/11/20225
XI	Final Results & Analysis	10/11/2025 to 15/11/2025

Github Link : [mayuripatil5111-cmd/Skill_Exchange_Notes_Sharing](https://github.com/mayuripatil5111-cmd/Skill_Exchange_Notes_Sharing)

Log Book - Semester Project 1 (2025-26)

This is a progress log detailing the work done on our semester project.

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3. Week 03: Requirements Analysis & System Overview (18/08/25-23/08/25)
4. Week 04: System Architecture Design (28/08/25-02/09/25)
5. Week 05: Phase I of Implementation (03/09/25-13/09/25)
6. Week 06: Combined Design & Implementation (15/09/25-20/09/25)
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8. Week 08: Phase III of Implementation (06/10/25-18/10/25)
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Week 1: Group Establishment

Date: 28/07/2025-02/08/2025

Activities Completed

Formed project group and assigned roles (UI design, backend logic, database, and inventory module handling). Discussed project objective of building an E-commerce shopping cart system supported by real-time inventory. Create GitHub repository and Wilki structure for log book documentation.

Next Plan

Finalize the project topic and define modules.

Guide Interaction

Initial discussion with guide on documentation structure and topic feasibility. Guide suggested keeping inventory as a core component.

Week 2: Topic Selection

Date: 04/08/2025 – 16/08/2025

Activities Completed

Researched multiple project ideas related to web-based learning platforms and finalized the topic “Skill Enhancement Community.” Defined the main goals of the project such as user registration and login, uploading and downloading notes, skill sharing among users, and secure data storage. Prepared the topic approval document including problem statement, objectives, and scope of the project.

Next Plan

Begin detailed requirement analysis and plan the database structure for users, notes, and skills.

Guide Interaction

The project guide approved the selected topic and advised to focus on proper database design and clear mapping between users, notes, and skill categories.

Week 3: Requirements Analysis & System Overview

Date: 18/08/2025 – 23/08/2025

Activities Completed

Collected and documented the functional requirements of the system such as user registration and login, uploading notes, downloading notes, skill posting, viewing shared skills, and admin management of content. Identified non-functional requirements including responsive user interface, secure data handling, fast data retrieval, and easy navigation. Defined system constraints such as restricting note downloads to registered users and validating file formats and sizes during upload. Prepared a brief system overview explaining the working flow of the Skill Exchange and Notes Sharing System.

Next Plan

Design the database schema for users, notes, skills, and related metadata.

Guide Interaction

The project guide reviewed the requirements document and suggested verifying note categories, skill types, and user roles before starting database and module implementation.

Week 4: System Architecture Design

Date: 28/08/2025 – 02/09/2025

Activities Completed

Designed the overall system architecture of the project consisting of Frontend (HTML, CSS, JavaScript, Bootstrap), Backend (PHP), and Database (MySQL).Planned the interaction between frontend and backend for user authentication, notes upload/download, and skill exchange functionalities.Outlined the data flow for key operations such as user login, storing notes in the database, retrieving shared notes, and displaying skill information to users.Ensured separation of concerns by defining individual modules for User Management, Notes Management, Skill Exchange, and Admin Control.

Next Plan

Implement the database schema and backend logic for users, notes, and skills.Start developing UI pages for login, dashboard, notes upload, and notes listing.

Guide Interaction

The project guide reviewed and validated the system architecture.The guide suggested keeping the notes management and skill exchange modules modular to make future enhancements easier.

Week 5: Phase I of Implementation

Date: 03/09/2025 – 13/09/2025

Activities Completed

Developed the user login and registration user interface for the Skill Enhancement Community System .Created the required database tables for Users, Notes, and Skills using MySQL.Inserted sample user data and sample notes records into the database for testing and verification purposes.Implemented basic backend functionality to establish connectivity between the frontend and the database and tested successful data insertion and retrieval operations.Verified proper server execution and database connectivity using the local development environment.

Next Plan

Develop the notes upload and download user interface and start integrating these features with the backend logic.

Guide Interaction

The project guide reviewed the database design and initial implementation phase.The guide suggested adding validation for file type, file size, and user access control before allowing notes upload and download functionality.

Week 6: Combined Design & Implementation

Date: 15/09/2025 – 20/09/2025

Activities Completed

Designed and developed the notes upload and notes listing user interface and connected it with backend logic. Implemented backend validation to check user authentication before allowing notes upload or download. Added logic to store uploaded notes securely in the server and save related details such as file name, category, uploader, and upload date in the database. Implemented functionality to remove notes and update database records accordingly. Performed manual database verification to confirm proper insertion, deletion, and retrieval of notes data.

Next Plan

Add file size and file type restrictions and improve error handling during notes upload and download operations.

Guide Interaction

The project guide reviewed the notes upload–download workflow and suggested testing multiple upload and delete operations to ensure data consistency and system stability.

Week 7: Phase II of Implementation

Date: 22/09/2025 – 04/10/2025

Activities Completed

Implemented the skill exchange module allowing users to add and view skill details. Added backend validations to restrict access to skill posting and viewing based on user authentication. Enhanced system logic to ensure data consistency while adding, updating, or removing skill information. Designed a basic admin management interface to monitor uploaded notes and user activities.

Next Plan

Complete the admin control features and synchronize them with notes and skills data.

Guide Interaction

The project guide reviewed the module implementation and validation logic and approved the completion of the admin-related functionalities.

Week 8: Phase III of Implementation

Date: 05/10/2025 – 18/10/2025

Activities Completed

Completed the admin management panel for the Skill Exchange and Notes Sharing System with features such as adding new notes categories, updating note details, deleting notes, and viewing uploaded notes records. Implemented admin control over user activities, including monitoring uploaded content and managing skill postings. Ensured that updates made by the admin are correctly reflected in the user-side notes listing and skill exchange modules. Fixed various navigation issues and backend synchronization bugs to ensure smooth interaction between frontend and backend components.

Next Plan

Start full-system testing to verify that all modules such as user authentication, notes management, skill exchange, and admin control work correctly together.

Guide Interaction

The project guide reviewed the system implementation and provided feedback on improving navigation flow and ensuring a smooth transition between user and admin sections of the application.

Week 9: System Testing

Date: 29/10/2025 – 01/11/2025

Activities Completed

Tested all major modules of the Skill Enhancement community system, including user login and registration, notes listing, notes upload and download, skill exchange module, and admin management features. Verified various edge cases, such as unauthorized access restriction, invalid file upload handling, duplicate data prevention, and correct display of updated notes and skills. Ensured that data consistency is maintained between the database and user interface during multiple operations. Confirmed that all updates made through the admin panel are properly reflected on the user-side interface.

Next Plan

Collect screenshots of working modules and document the test cases and test results for final project documentation.

Guide Interaction

The project guide advised performing cross-browser testing and documenting any interface or functionality mismatches observed during testing.

Week 10: Final Results & Analysis

Date: 03/11/2025 – 08/11/2025

Activities Completed

Documented the final system results including data accuracy and consistency between users, notes, and skills. Analyzed system reliability, ensuring smooth interaction between frontend and backend modules. Observed backend response time during operations such as login, notes upload/download, and skill posting. Verified user interface behavior after data updates performed by the admin module. Captured screenshots of all major modules for inclusion in project documentation.

Next Plan

Start writing the final project report, including system overview, implementation details, and results analysis.

Guide Interaction

The project guide reviewed the results and analysis and suggested improving clarity and completeness in the project conclusion section of the report.

Week 11: Final Report & Conclusion

Date: 10/11/2025 – 15/11/2025

Activities Completed

Completed the final project report covering all major aspects of the Skill Enhancement Community. The report includes system architecture and design, backend structure, detailed explanation of notes management and skill exchange modules, and admin control features. Documented the core system logic, including data flow between frontend, backend, and database. Included testing results with screenshots, performance observations, and system validation details. Prepared the future scope of the project such as scalability improvements, enhanced admin controls, and feature expansion.

Next Plan

Submit the final project report and prepare for project demonstration and viva examination.

Guide Interaction

The project guide reviewed the final report, appreciated the overall system design and implementation, and approved the project for final submission.