

Nursing System Portal – WIL Project Report

1. Project Overview

The Nursing System Portal is a six-month Work-Integrated Learning (WIL) project aimed at streamlining patient management, appointments, and record keeping. The portal provides secure login for nurses and administrators, an intuitive dashboard, and integrated database functionality.

Technologies Used:

- Front-end: HTML, CSS, JavaScript
 - Back-end: JAVA
 - Database: MySQL
 - Project Management: Trello, GitHub
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2. Objectives

- Develop a functional portal to manage patient records efficiently.
 - Implement secure login and role-based access.
 - Create an intuitive dashboard for nurses and administrators.
 - Enhance teamwork, professional communication, and project management skills.
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3. My Role and Contributions

- Developed front-end pages including dashboard, patient records, and appointment management.
 - Assisted with back-end integration using Laravel models, controllers, and database connections.
 - Updated tasks on Trello, coordinated with team members, and contributed to project planning.
 - Participated in testing and debugging to ensure smooth functionality.
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4. Challenges and Solutions

Challenge: Integrating front-end with database securely.

Solution: Used Laravel MVC structure to manage data flow and prevent errors.

Challenge: Coordinating tasks in a remote team.

Solution: Conducted regular Trello updates, weekly team meetings, and documented responsibilities.

Challenge: Ensuring data accuracy and validation.

Solution: Implemented input validation on forms and testing scenarios for all features.

5. Learning Outcomes

- Strengthened technical skills in web development and database management.
 - Improved teamwork, communication, and professional collaboration.
 - Gained experience in using project management tools effectively (Trello, GitHub).
 - Learned to approach problem-solving systematically and document solutions clearly.
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6. Next Steps / Future Improvements

- Add reporting features for patient statistics and appointment summaries.
 - Implement automated notifications for appointments and reminders.
 - Optimize mobile responsiveness for nurses accessing the portal on-the-go.
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7. Conclusion

The Nursing System Portal has enhanced project management and technical skills, demonstrating both personal and professional growth during the WIL project. The experience of developing, collaborating, and problem-solving prepares me for future workplace challenges.