Innovation and Design Thinking- II (1010043291) Log Book

Project Title: Smart Attendance System
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Branch:Computer Engineering
Semester: IV
Academic Year: 2025-26
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Week 1: Understanding the Problem
- Date: 03/01/2025 TO 06/01/2025
- Objectives: Identify challenges in attendance tracking; understand user needs.
- Activities: Researched existing systems; interviewed users.
- Insights: Need for flexibility, real-time updates; initial mobile-friendly ideas.
- Challenges: Limited user data access.
- Solutions: Expanded research to include online surveys.
- Next Steps: Analyze survey results.

Week 2
- Date: 08/01/2025 TO 13/01/2025
- Objectives: Develop user requirement document.
- Activities: Analyzed survey responses; created user personas.
- Insights: Users prioritize security and access.
- Challenges: Balancing features with feasibility.
- Solutions: Prioritized features based on feedback.
- Next Steps: Start system architecture design.

Week 3
- Date:15/01/2025 TO 20/01/2025
- Objectives: Create wireframes for the interface.
- Activities: Designed wireframes; gathered stakeholder feedback.
- Insights: Users prefer clean, intuitive design.
- Challenges: Integrating features into a user-friendly layout.

- Solutions: Simplified navigation based on feedback.
- Next Steps: Finalize wireframes and prototype.

Week 4
- Date: 22/01/2025 TO 27/01/2025   - Objectives: Develop a prototype.
- Activities: Created clickable prototype; conducted usability tests.
- Insights: Users appreciated real-time updates.
- Challenges: Confusing navigation in the prototype.
- Solutions: Adjusted navigation based on feedback.
- Next Steps: Prepare for backend development.

Week 5
- Date: 29/01/2025 TO 03/01/2025
- Objectives: Begin backend development.
- Activities: Set up database/server; developed API endpoints.
- Insights: Need for robust security measures.
- Challenges: Database integration issues.
- Solutions: Collaborated to resolve issues.
- Next Steps: Continue backend development.

Week 6
- Date: 05/02/2025 TO 10/02/2025
- Objectives: Integrate frontend and backend.
- Activities: Completed API integration; implemented user authentication.
- Insights: Real-time access enhances user experience.
- Challenges: Syncing updates across devices.
- Solutions: Improved data handling methods.
- Next Steps: Conduct functional testing.

Week 7
- Date: 12/02/2025 TO 17/02/2025
- Objectives: Perform functional/user acceptance testing.
- Activities: Tested with user scenarios; collected feedback.
- Insights: Users value response time and navigation ease.
- Challenges: Bugs identified during testing.
- Solutions: Prioritized and fixed bugs.
- Next Steps: Finalize system for deployment.

Week 8

- Date: 19/02/2025 TO 22/02/2025

- Objectives: Prepare for final deployment and presentation.

- Activities: Compiled project documentation; created presentation.

- Insights: Essential to have comprehensive documentation.

- Challenges: Time management for final preparations.

- Solutions: Organized team tasks for timely completion.- Next Steps: Conduct final review and presentation.