Sprint Report: LearniverseConnect

Team Members:

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Project Duration: January 2025 – May 2025

Project Timeline and Sprints

Sprint Weeks:		Goals:
1.	Jan 21 – Feb 4	Initial setup: GitHub repo, tech stack, planning.
2.	Feb 5 – Mar 17	Project structure, database, backend & frontend prep.
3.	Mar 18 – Apr 6	Auth system, UI wireframes, DB entities.
4.	Apr 7 – Apr 20	REST APIs, React components, auth UI.
5.	Apr 21 – May 4	Feature expansion: mobile UI, course logic, DB fixes.
6.	May 5 – May 15	UI improvements, search/filter, image support.
7.	May 16 – May 22	Final polish, HTTPS setup, deployment.

Sprint Goals & Accomplishments

Sprint 1 (Week 3–4, January)

• Initialized GitHub repo.

• Discussed project scope and division of responsibilities.

• Selected stack: React, Spring Boot, PostgreSQL.

Sprint 2 (Feb 5 – Mar 17)

- Created HTML skeleton and design draft.

- Developed backend setup, DB schemas, Flyway.

- Started uploading DB sketches, built initial layout.

Sprint 3 (Mar 18 – Apr 6)

- Created entities, JPA repositories, Spring Security.

- Built initial backend controllers and authentication endpoints.

- Setup React project, basic routing, placeholder UI.

Sprint 4 (Apr 7 – Apr 20)

- Added REST endpoints and security.

- Added frontend auth context, UI scaffolding.

- Introduced SASS, theme setup, and route protection.

Sprint 5 (Apr 21 – May 4)

- JWT setup and role-based auth.

- Hamburger menu, mobile support.

- Fixed warnings, .env management, course list styling.

Sprint 6 (May 5 – May 15)

- UI redesign, color/theme updates, responsive layout.

- Implemented search, show all courses, category filtering.

- Axios integration, backend fixes, and .env cleanup.

Sprint 7 (May 16 – May 22)

- Final DB fixes, emergency bug patches.

- Swagger annotations, method security.

- Completed DTOs, HTTPS keystore setup, deployment tasks.

Final Deliverables

- Responsive React frontend with routing, image display, and role-based admin tools.

- Spring Boot backend with PostgreSQL, Flyway migrations, and JWT authentication.

- Course listing with image support and search/filter functionality.

- HTTPS-secured deployment with working .env management and documentation.