Online Learning / Course Management System

Goal: Build a platform for online courses with enrollment, content management, and progress tracking.

Tools: HTML, CSS, Angular/React, Node.js, MongoDB/PostgreSQL

Week 1 – Authentication & Database Setup

- Implement signup/login for students and instructors.
- Setup database schemas: Users, Courses, Enrollments, Lessons.

Week 2 – Course & Lesson Management

- Instructors can create courses, add lessons (video, text).
- Students can browse courses, enroll, and view lesson content.

Week 3 – Progress Tracking & Quizzes

- Implement lesson completion tracking for students.
- Add simple quiz system at the end of each course to check learning.
- Track scores and completion percentage in the dashboard.

Week 4 – Dashboard & UI Enhancement

- Student dashboard: enrolled courses, progress, quiz results.
- Instructor dashboard: course management, student progress tracking.
- Responsive design, notifications for new lessons or quizzes.