Education and E-Learning

Online Learning Management System

(3 Dashboard => Admin, Instructor, User)

Week 1: Project Setup and User Authentication

- **Git Setup make new branch for every day.**
- **Postgres Setup.**
- **Implement social media authentication and two-factor authentication. (Google, Email)**
- **Implement JWT (JSON Web Token) authentication for user sessions.**
- **Create the User Interface and Admin Dashboard interfaces.**
- **Send a confirmed message to the User through WhatsApp Or Mail.**
- **Allow users to update their profiles, including contact information.**

Week 2: Instructor Interface Course Management

- **Design database models for courses, lessons, and content.**
- **Create serializers to handle course data.**
- **Create database models for course content (e.g., lessons, quizzes).**
- **Develop serializers for course content.**
- **Build API endpoints for creating, updating, and deleting courses.**
- **Implement CRUD (Create, Read, Update, Delete) operations for courses and content.**
- **Allow users to enroll in courses and track their enrolled courses.**

Week 3: User Interface and Enrollment System

- **Improve the User Interface for a better user experience.**
- **Display a list of available courses, including upcoming and ongoing courses.**
- **Implement course search and filtering options.**
- **Allow users to filter courses by categories, topics, or keywords.**
- **Enable users to enroll in courses.**
- **Implement email notifications for course enrollments and updates.**
- **Develop features for users to track their enrolled courses.**

Week 4: Assessment, Reviews, and Final Touches

- **Implement features for course assessments, including quizzes and assignments.**
- **Enable instructors to create and manage assessments.**
- **Add review and rating features for courses, instructors, and the LMS platform.**
- **Ensure all validation, authentication, and authorization mechanisms are in place.**
- **Display completed modules, grades, and upcoming deadlines.**
- **Check everything is proper**