E- LMS

Project title: E-LMS

Project description :

This project can be divided into two systems. The first is a Single Instructor, and the other is a multi-instructor. A single instructor means a user can view all the courses from the same instructor, while a multi-instructor will have the choice of instructor. The system will have a course and nanodegree. Nanodegree is the series of the course. Users will buy the course and start the learning process. Users will get the certificate by taking the exam or completing the course.

Core features:

1. Flexibility to have a single and multi-instructor system, it can be individual instructors or institutes.
2. Course management with exams, study material, videos
3. Course registration and payment
4. Sale and coupon code
5. Skill certificate and course completion certificate
6. SEO Supported
7. Affiliate marketing
8. Statistics
9. Support system with chat (AI) or call

Note: Mentioned here only core features, the rest will be mentioned further in the document.

System to build:
1. User/Instructor application
2. User/Instructor Web
3. Admin panel

User roles:
1. Admin
2. Instructor
3. Team
4. Team instructor
5. Staff
6. General user

Technology stack :
1. Flutter and dart (Mobile apps)
2. Nextjs (Web/Panel)
3. Laravel and PHP (Database and API, panel)

Admin panel

Authentication :

Admin will log in using the default email and password. The default email will be the admin@gmail.com and admin123.

Course category and sub-category :

Admin can create the category. The category will have a subcategory. Subcategory will have one category.
It will have 3 layers. It will not be an infinite category loop.

Admin can manage the category sequence. Admin can view the trendy category as well.

Course levels :

The admin will create the levels. They will be generic and need to be assigned to every course. The levels can be easy, medium, hard, beginner, medium, etc.

System Settings:

Admin can decide if is it a multi-instructor system or not.
Admin can decide whether to provide a refund or not.
Admin will determine the refund policy and refund days.

Certificate :

Admin can manage the certificate template here.

Instructor management:
If the admin has enabled multi-instructor

Course management:
Admin can manage the courses.

The course will have a title, description, thumbnail image, Intro video, what you will learn, course level, syllabus, category, subcategory, course duration, pre-requirements, original price, and discount price. (Other needed fields)

Admin can make the course free if needed.

The course will have chapters and lectures.
Admin can assign course manager as well.

Course chapter :

Admin can decide whether the user can move to the next chapter before completing the current chapter or not.

The admin can organize the quiz at the end of the chapter and can also mark it as necessary to complete it before starting the next chapter.

Admin can make some chapters free or unlocked for users to explore.

The chapter will have lectures, attachments, assignments, and quizzes.

Lectures:

The lecture will have a title and description. The lecture can have a video, article, or attachment. If it is video then the lecture duration will be video duration else admin will add some duration for the lecture.

Lecture videos can be custom uploaded, YouTube link, or any public link.

The lecture will have a material section. In that admin will add the files or other references.

The lecture will have a completion status, watching a video or reading material will mark the lecture as completed.

Manage chapter assignments:

The admin can add the assignments. Assignments can be compulsory or not.

Assignments can be assigned lecture-wise.

The assignment will have the title, description, attachments, deadline, and points.
(Other fields will be added if required.)

Admin can decide whether graded assignments will be considerable for the certificate or not.

The assignment will have Pending, Submitted, Accepted, Rejected, and Resubmit.

Course discussion:

Every course will have a course discussion section. Users can post queries. The query can have a reply feature.

Admin can flag any reply or query.

Help section:

The help section will have groups. In which users can post their queries.

The group can also be private. In private groups, users will be added through invitation.

Admin or staff can flag/hide the query or answer in the group.

Course reviews:

Users can review the course. Admin and instructor can also view the reviews.

Admin can remove the reviews if appealed by the instructor. Admin can flag the review if needed.

Instructor agreement:

Admin can add the HTML text here. This agreement will be shown when the user becomes the instructor.

Instructor form fields:
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Instructor management :
Admin can select if the system supports multi-instructors or not. If not then the user can not become the instructor.

Admin allows the multi-instructor. Admin can select the instructor type, Individual, and Organisation(Team).