

STUDENT LEARNING MANAGEMENT SYSTEM (LMS) :

TEAM BASED PROJECT ..

Project Overview

The **Student Learning Management System** is a web-based platform designed to streamline academic activities by providing a centralized environment for students and instructors. The system enables course management, assignment submissions, performance tracking, and communication between users.

This project focuses on improving the efficiency of learning processes by digitizing classroom interactions and making educational resources accessible anytime, anywhere.

Key Features

- Secure user authentication (Student, Instructor, Admin roles)
- Student dashboard with enrolled courses
- Course creation and management
- Assignment upload and submission
- Grade tracking and feedback system
- Announcements and notifications

Technologies Used

- **Frontend:** HTML, CSS, JavaScript, Angular
- **Backend:** Node.js / Python
- **Database:** MySQL / MongoDB
- **Tools:** Git, GitHub, VS Code

My Role

- Designed and developed the frontend interface.
- Implemented student dashboard and course modules.
- Integrated assignment submission and grading features.
- Structured the database for users, courses, and submissions.

System Architecture

The system follows a **three-tier architecture**:

1. **Presentation Layer:** User interface for students and instructors.
2. **Application Layer:** Backend logic handling requests and processing data.
3. **Data Layer:** Database storing users, courses, assignments, and grades.

Outcome

- Successfully created a functional LMS prototype.
- Improved accessibility to learning materials.
- Reduced manual effort in assignment handling and grading.