PROJECT PLAN DOCUMENT

(Due: 31ˢᵗ January)

Project number	**14**
Project Title	LMS, EdTech Platform Implementation, for online courses
Document	Project Plan
Creation date	23 January, 2026
Created By	Varun Gupta
Client	Tariq Khan (Eklavya Foundation)
Doc Link	📄 *ProjectPlan*

Brief problem statement

The project involves developing a Learning Management System (LMS) for client organizations to manage their courses and students efficiently. Clients will be able to create courses, enroll students, upload lectures and materials, and conduct assessments with grading capabilities. The system will support multiple parallel courses, batches, and simultaneous users, ensuring seamless operation for all clients and students. This solution is designed to simplify course management and enhance the learning experience.

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Team Members

Varun Gupta - Project Manager and Backend

Virat Garg - UI and Frontend

Prajas Wadekar - Backend and Testing

Vishnu Sathwik - UI and Frontend

Keerthi Vempati - Backend and Testing

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Team Communication

Meeting Details

Meeting Link: [Google Meet Link](#)

Scheduled Time: Alternate Saturdays at 1:30 PM

Communication Strategy

1. **Messaging Platform:** WhatsApp Group
   - Purpose: Informal communication and doubt clarification
   - Communication Approach: Asynchronous log-book style interaction
2. **Communication Expectations:**
   - Not expecting instant responses
   - Participants can respond at their convenience
   - Serves as a collaborative knowledge-sharing platform

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Development Environment

Tech Stack

The LMS will utilize the MERN stack for efficient and scalable development:

- **MongoDB**: Database for storing courses, students, materials, and assessments.
- **Node.js & Express.js**: Backend for API handling and business logic.
- **React.js**: Frontend framework for a responsive user interface.

Tools Used

- **Figma**: UI/UX design.
- **Postman**: API testing.
- **GitHub**: Version control and collaboration.
- **Selenium**: Automated testing for functionality and reliability.
- **Overleaf**: Structured project documentation.

This stack and tools ensure a seamless, robust, and user-centric LMS solution

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Milestone Schedule

Milestone	Due Date	Release	Deliverable?
Workflow Analysis and Basic UI	25/01/25	R1	No
Create draft requirements	6/02/25	R1	No
Finalize requirements	9/2/25	R1	Yes
Create User Schema	13/02/25	R1	Yes
Phase 1 Complete	15/02/25	R1	Yes
Phase 2 Complete	5/03/25	R2	Yes
Phase 3 Complete	25/03/25	R3	Yes
Phase 4 Complete	10/04/25	R4	Yes
Phase 5 Complete	20/04/25	R5	Yes

Phase Planning & Deliverables

Each phase will conclude with a Phase Document summarizing the work completed, methods used, and relevant documentation.

Phase 1: Planning & Design

- Workflow Analysis
- Requirements Research & Finalization
- Basic UI Design
- SRS Documentation

Phase 2: User & Student Views

- Complete User and Student Views Development

Phase 3: Admin Views

- Complete Teacher, Admin, and Super Admin Views Development

Phase 4: Optimization

- Security Implementation
- Performance Improvement
- Load Balancing

Phase 5: Finalization

- Deployment
- Code Review