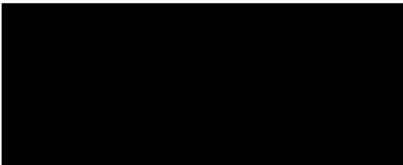
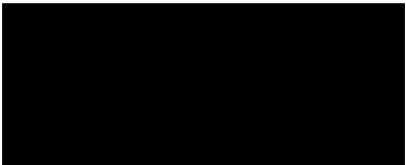


LMS SYSTEM — COMPLETE PROJECT PLAN

Including Architecture, ER Diagram, Wireframes, Sprints & Tasks

ER Diagram



Wireframes (Simplified)

1. Student Dashboard

| Header |

|-----|

| My Courses | Continue Learning |

|-----|

| Course List Cards |

2. Admin Dashboard

| Sidebar | Stats Tiles (Revenue) |

|-----|

| Course Table | User Table |

3. Course Page

| Video Player |

|-----|

| Lesson List on Left |

Quiz Button

Phase Breakdown & Sprints

Phase 1 — Planning

- Requirement gathering
- System architecture
- ERD & database design
- API specification

Phase 2 — Auth System

- JWT access & refresh
- Role based access (Admin, Instructor, Student)
- Email verification
- Password reset

Phase 3 — Course Management

- Course CRUD

- Lesson CRUD
- Content editor
- Thumbnail uploads

Phase 4 — Student Features

- Enrollments
- Progress tracking
- Certificate generation

Phase 5 — Quizzes

- Question bank
- Quiz attempts
- Auto grading

Phase 6 — Payments

- Razorpay integration
- Enrollment unlock
- Billing logs

Phase 7 — Admin Panel

- User management
- Course moderation
- Revenue analytics

Phase 8 — AI Enhancements

- AI tutor assistant
- Auto quiz generator
- Personalized recommendations

Phase 9 — Deployment

- CI/CD
- Load testing

- Security audit