Core Features:

These are expected in any top-class eLMS and give us a solid foundation:

1. Authentication & Role Management: Separate student, teacher, and admin dashboards.
2. Course Management: Teachers can upload course outlines, materials, assignments, quizzes.
3. Assignment & Quiz System: With deadlines, automated grading (MCQ, short answers), plagiarism check.
4. Progress Tracking: Students can see grades, completed modules, attendance.
5. Content Library: Secure storage for notes, slides, recorded lectures.
6. Mobile Responsiveness: Since many students will access via phones.
7. Notifications & Reminders: Deadlines, events, class updates.

Advanced Features (Unique Selling Points):
These will make ourLMS stand out from standard Moodle/Google Classroom:

1. AI-Powered Features
   a. Smart tutoring assistant (explain difficult topics in simpler terms).
   b. AI-generated quizzes from course content.
   c. AI-powered question-answering based on uploaded course materials.
   d. Personalized study plan generation.

2. Automated Communication

   a. Telegram/Discord/WhatsApp API integration for class groups.
   b. Smart announcements → automatically push important updates to all communication channels.

3. Counselling & Meeting System (your idea is brilliant here!)

   a. AI grouping of similar student problems before faculty sees them.
   b. "One-click meeting launch" with auto-invitations.
   c. Post-meeting AI-generated summary notes for students.

4. Gamification

   a. Point-based unlock system (e.g., unlocking past papers/solutions with earned points).
   b. Badges for completing modules, helping peers, scoring high.

5. Knowledge Hub

a. Question bank (by year/trimester/topic).
b. Student-contributed notes with voting/ranking system.
c. Optional marketplace for paid resources.

6. Scheduling & Productivity Tools

   a. Auto-generated class + exam routines from outline.
   b. Google Calendar + Outlook sync.
   c. Smart reminders (e.g., "You have a quiz tomorrow on Topic X. Review these 3 key slides.").

7. Extra Utilities

   a. Built-in dictionary (online + offline).
   b. Multilingual support.
   c. Secure personal file storage for assignments, docs, transcripts.

Features to Reduce Workload (Students & Teachers):

1. For Students

   a. Auto-generated study plans based on syllabus and deadlines.
   b. AI summarization of lectures and notes.
   c. One-click calendar sync with all classes & exams.
   d. Peer-to-peer help desk (volunteer mentors + AI assistant).
   e. Auto-notes from recorded lectures (speech-to-text + summary).

2. For Teachers

   a. AI that clusters student questions → reduces repetitive Q&A.
   b. Automatic quiz generation from lecture notes.
   c. Auto-grading (MCQs, short answers with model answer matching).
   d. Attendance tracking (QR code or auto check-in via app).
   e. AI-generated feedback summaries for students.