

## Forge IT LMS – Learning Management System Overview

Forge IT LMS is a full-featured web-based Learning Management System (LMS) platform designed to deliver and manage educational content with ease. Built using modern web development technologies, it supports three major roles — User (Student), Teacher (Instructor), and Admin — each with role-specific dashboards, permissions, and workflows.

Forge IT focuses on practical learning with gated chapters, progress-based unlocks, quiz evaluations, and a smooth user experience like Udemy or Coursera. It's ideal for colleges, coaching institutes, online academies, or corporate training.

### 1. User Panel – Step-by-Step Process User Login

- Visit the LMS login page.
- Select the "User" role.
- Enter login credentials.
- Redirected to the user dashboard upon successful login.

### 2. Accessing the Dashboard

- Dashboard provides overview of enrolled courses, progress, notifications, and quick actions.
- Navigation bar includes: My Courses, Payments, Explore Courses, Assignments, Profile, etc.

### 3. Explore and Select Courses

- Navigate to "**Explore Courses**" to view available courses.
- Each course displays:
  - Course title
  - **Detailed description**
  - Instructor name
  - Duration
  - Level (Beginner, Intermediate, Advanced)
  - Course price

- **Coupon input field** (for discount codes)

#### 4. Apply Coupons and Make Payment

- If a course is paid:
  - Apply a valid **coupon code** to receive discounts.
  - Proceed to secure payment via UPI, Cards, Wallet, etc.
  - On successful payment:
    - **Invoice/receipt** is generated.
    - Course is added to "My Courses".
    - Only **first chapter** is unlocked initially.

#### 5. Start the Course – Chapter Locking Logic

- User can only access **Chapter 1** at first.
- Other chapters are **locked** and grayed out in the course navigation sidebar.
- User must:
  - **View all content** of Chapter 1.
  - **Complete the assessment/quiz** at the end of the chapter.
- Upon successful completion:
  - Chapter 2 is unlocked.
  - This sequence continues — each new chapter unlocks after completing the previous one and its assessment.

#### 6. Viewing Course Content

- Each chapter includes:
  - Video lectures
  - PDFs or documents
  - Interactive materials (if any)
  - **Chapter-end quiz**
- Users can mark lessons as complete to track progress.

## **7. Submitting Assignments**

- Available within specific chapters.
- Upload files and submit before deadlines.
- Status: Not Submitted, Submitted, Graded.

## **8. Taking Quizzes/Assessments**

- Chapter-end quizzes are mandatory for unlocking next content.
- May be auto-graded or evaluated by the teacher.
- Passing criteria (e.g., 70%) is required to proceed.

## **9. Tracking Progress**

- Progress bar visible for each course and chapter.
- Locked chapters indicate prerequisites not completed.

## **10. Communicating with Teachers**

- Users can ask doubts via the in-course discussion forum or private messaging.
- Teachers provide feedback or answers within the platform.

## **11. Notifications**

- Alerts for:
  - New content
  - Assessment results
  - Deadlines
  - Unlock confirmations
- Notification panel accessible from the dashboard.

## **12. Payment History**

- Under "Payments", users can:
  - View all past purchases
  - Check coupon usage
  - Download invoices

### 13. Profile & Settings

- Update personal info, change password, manage notification preferences.

### 14. Logout

- Secure logout from the top-right dropdown menu.
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## Teacher Panel – Step-by-Step Process

### 1. Teacher Login

- Navigate to the LMS login page.
- Select the "Teacher" role.
- Enter login credentials.
- On successful authentication, redirected to the **Teacher Dashboard**.

### 2. Accessing the Dashboard

- Dashboard displays an overview of:
  - Created courses
  - Pending assignments
  - Student activity
  - Announcements & notifications
- Navigation menu includes: My Courses, Create Course, Assignments, Students, Messages, Profile.

### 3. Creating a New Course

- Click on "**Create Course**".
- Fill in:
  - Course Title
  - **Detailed Description**
  - Category/Subject
  - Difficulty Level

- Thumbnail image
- Pricing details
- Option to **enable coupons** and set expiry dates for discount codes.

#### 4. Adding Course Content (Chapters/Modules)

- Course is divided into **sections/chapters**.
- For each chapter:
  - Upload video lectures, PDFs, and other learning materials.
  - Add a **quiz or assessment** at the end of each chapter.
  - Option to **lock chapters** until previous chapter + quiz is completed (enabled by default).

#### 5. Publishing the Course

- Once all content is added, publish the course.
- The course becomes visible in the "Explore Courses" section for students.
- Teachers can **edit or unpublish** anytime.

#### 6. Managing Enrolled Students

- View list of users enrolled in each course.
- Track student progress: completed chapters, quiz scores, assignment submissions.
- Option to send direct feedback or message to individual students.

#### 7. Reviewing Assignments

- Under the **Assignments** tab:
  - View all submitted assignments.
  - Download files, grade them, and add remarks.
  - Update assignment status (Graded/Needs Improvement).

## **8. Evaluating Quizzes (if manual)**

- For manually graded quizzes:
  - Access each student's answers.
  - Assign scores and publish results.
- For auto-graded quizzes:
  - Scores are automatically calculated and stored.

## **9. Issuing Announcements**

- Post announcements to all students enrolled in a course.
- Can include text, images, or links.
- Visible in student dashboards and notification center.

## **10. Messaging & Communication**

- Use built-in messaging to respond to student queries.
- Option for one-on-one messages or course-wide discussions.

## **11. Earnings & Payments (Optional Feature)**

- View earnings dashboard (if monetization is implemented).
- Track income from course sales and coupon redemptions.
- Download payment reports/invoices.

## **12. Notifications**

- Real-time alerts for:
  - New enrollments
  - Assignment submissions
  - Student messages
  - Quiz completions

## **13. Profile Management**

- Update personal details, profile picture, and password.
- Add professional bio and areas of expertise (visible on course pages).

## 14. Logout

- Use the top-right menu to securely log out.
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### Admin Panel – Step-by-Step Process

#### 1. Admin Login

- Visit the LMS login page.
- Select the "**Admin**" role.
- Enter admin credentials.
- On successful authentication, redirected to the **Admin Dashboard**.

#### 2. Accessing the Admin Dashboard

- Dashboard shows key platform-wide metrics:
  - Total users, teachers, active courses, earnings, pending approvals, etc.
- Navigation menu includes:
  - User Management, Course Management, Payment Management, Reports, Coupons, Settings.

#### 3. Managing Users (Students & Teachers)

- View, search, and filter all registered users.
- Role-based user lists (Users, Teachers, Admins).
- Admin actions:
  - Add/Edit/Delete users
  - Reset passwords
  - Change user roles (e.g., promote user to teacher)
  - **Block or suspend accounts**

#### 4. Course Management

- View all published/unpublished courses.
- Search/filter by category, teacher, or status.
- Admin actions:
  - **Approve or reject** new courses (optional moderation)
  - Unpublish or delete inappropriate content
  - Edit course details if needed (title, description, pricing)

#### 5. Teacher Onboarding & Verification

- View list of new teacher sign-ups.
- Review teacher profiles and submitted documents (if required).
- **Approve/Verify** teacher account for course creation access.

#### 6. Payment & Earnings Management

- View platform-wide **payment reports**.
- Track income from course sales, coupon redemptions, and transactions.
- Download monthly earnings data in PDF/Excel formats.
- Manage teacher payout requests (if revenue-sharing model is applied).

#### 7. Coupons & Discounts

- Create platform-wide coupon codes.
- Define:
  - Discount amount (% or ₹)
  - Expiry date
  - Applicable courses
  - Usage limits (per user or global)
- Monitor coupon usage reports.

#### 8. Reports & Analytics

- Access detailed reports:



- Active learners
  - Course engagement
  - Completion rates
  - Revenue trends
- Export reports for analysis or audits.

## **9. Announcements & Platform Messages**

- Send global announcements to all users.
- Option to segment by role (students, teachers) or course.
- Messages appear in dashboard notification panels.

## **10. System Settings**

- Platform configurations:
  - Logo, branding, and site title
  - Payment gateway keys (Stripe, Razorpay, etc.)
  - Default role settings, support contact info
- Option to enable/disable features (e.g., course approval, user chat)

## **11. Security & Logs**

- Monitor login activity and IP logs.
- View audit trails of major actions (e.g., deleted users, payment changes).
- Implement basic security settings (2FA toggle, rate limiting, etc.)

## **12. Profile Management**

- Admin can update their name, email, password.
- Can assign secondary admins or sub-roles for moderation.

## **13. Logout**

- Use secure logout from top-right navigation.