LMS Project Modules Documentation

# Authentication and Authorization Module

Purpose: To manage user access and ensure secure login for all roles.

Features:

- Separate login for Learner, Trainer, L&D Team, and IT Support.

- Role-based access control (RBAC).

- Token-based session management (JWT).

# Learner Module

Purpose: Interface for learners to access learning resources and track progress.

Features:

- View enrolled courses.

- Track progress on YouTube playlist-based course material.

- Access notes and additional resources.

- View important dates like exams and results.

- Submit feedback to trainers and IT support.

# Trainer Module

Purpose: Interface for trainers to manage courses and monitor learner progress.

Features:

- Create and update course content using YouTube playlists.

- View learner progress and feedback.

- Assign learners to specific batches.

- Upload supplementary material like notes or links.

# L&D Team Module

Purpose: Central hub for managing training programs, feedback, and performance tracking.

Features:

- Create batches and assign trainers and courses.

- View learner and trainer performance metrics.

- Maintain leaderboard based on progress.

- Analyze categorized feedback: Trainer Feedback, L&D Feedback, IT Support Feedback.

# IT Support Module

Purpose: To manage and resolve technical issues raised by users.

Features:

- View and respond to technical support feedback.

- Monitor system health and performance.

- Update system settings and troubleshoot issues.

# Course Management Module

Purpose: Core module to handle course-related data and operations.

Features:

- Add new courses with title, topic, and YouTube playlist URL.

- Automatically fetch and store playlist data using YouTube API.

- Link courses to learners and batches.

# Feedback Module

Purpose: To collect structured feedback from users.

Features:

- Three distinct feedback types: Trainer Feedback, L&D Feedback, IT Support Feedback.

- View and analyze feedback in dashboards.

- Filter and categorize feedback by role and batch.

# Dashboard Module

Purpose: Customized dashboards for each role.

Features:

- Learner: Progress stats, enrolled courses, upcoming events.

- Trainer: Assigned batches, feedback summaries.

- L&D Team: Leaderboard, batch and course metrics.

- IT Support: Tickets and technical feedback log.