

FUNCTIONAL REQUIREMENTS TO USE

CASE MAPPING TABLE

Functional Requirement (FR)	Mapped Use Case(s)	Description
FR 1.1: User Registration and Authentication	UC-1.1, UC-1.2, UC-1.3	User registration (students), admin login (predefined), and secure authentication
FR 1.2: Profile Management	UC-1.4, UC-1.5	Students and admins can view/update profiles, including profile picture and password
FR 1.3: Role-Based Access Control	UC-1.6	System grants access based on user roles (Student/Admin) with separate dashboards
FR 1.4: Course and Topic Management	UC-1.7 to UC-1.12	Admin creates and manages courses, topics, categories, content, and reorders topics
FR 1.5: AI-Driven Personalized Learning	UC-1.13, UC-1.14	AI engine analyzes user behavior and suggests content, tracks weak areas
FR 1.6: Quizzes and Assignments	UC-1.15 to UC-1.18	Admin creates quizzes/assignments; students attempt, receive feedback; AI suggests retry
FR 1.7: Progress Tracking and Feedback	UC-1.19 to UC-1.21	Real-time progress, reports for admin, AI-based suggestions shown on dashboard