

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date:	27 June 2025
Team ID:	LTVIP2025TMID30306
Project Name:	EduTutor AI: Personalized Learning with Generative AI and LMS Integration
Maximum Marks:	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	AI Tutor	Query answering through chat Follow-up question support Knowledge-based search
FR-4	LMS Integration	Course content display Lesson tracking Quiz linking
FR-5	Personalized Quiz	Generate quiz based on past results Adaptive difficulty
FR-6	Feedback System	Quiz result feedback Study suggestions
FR-7	User Management (Admin)	View/Delete users Reset user credentials

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should have an intuitive interface for students to interact with the AI tutor and LMS.
NFR-2	Security	All user data must be securely stored and transmitted with encryption.
NFR-3	Reliability	The system must provide consistent and correct recommendations.
NFR-4	Performance	The AI should respond to user queries within 2 seconds.
NFR-5	Availability	System must be accessible 99% of the time (except maintenance).
NFR-6	Scalability	The platform should support 1000+ concurrent users.