

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	27 June 2025
Team ID	LTVIP2025TMID33021
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	Quiz Generation	Generate quiz based on subject/topic
		Generate quiz based on difficulty level
		Use AI to create new questions dynamically
FR-4	Quiz Attempt & Evaluation	Start quiz with timer
		Submit quiz and auto-grade
		View score and correct answers with solutions

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should provide a user-friendly interface with intuitive navigation for students, parents, and educators.
NFR-2	Security	The application must ensure secure login, data encryption, and protection against unauthorized access, following OWASP standards.
NFR-3	Reliability	The system should be consistently available with minimal downtime and ensure data accuracy and backup recovery.

NFR-4	Performance	The system should handle multiple quiz submissions simultaneously with quick response times and low latency.
NFR-5	Availability	The solution must be available 24/7 with cloud infrastructure support, including failover mechanisms.