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

Date	01 JULY 2025
Team ID	LTVIP2025TMID38204
Project Name	Edututor AI: PERSONALIZED LEARNING WITH GENERATIVE AI And LMS
	INTEGRATION
Maximum Marks	4 Marks

✓ Functional Requirements – Edututor AI

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Email Form Registration through Gmail Registration through LMS/LinkedIn (SSO)
FR-2	User Confirmation	Confirmation via Email Link Confirmation via OTP (Mobile or Email)
FR-3	Personalized Learning Dashboard	View Recommended Courses & Quizzes Track Learning Progress AI-Based Content Suggestions
FR-4	LMS Integration	Connect to Institutional LMS (Moodle/Canvas) Import Course Content Sync Quiz and Grade Data
FR-5	AI-Powered Content Generation	Generate Practice Quizzes from Uploaded Material Create Summaries or Flashcards
FR-6	User Role Management	Define Access Levels (Student, Admin, Support) Manage Permissions

✓ Non-Functional Requirements – Edututor AI

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Intuitive UI/UX for students, mobile-first design, accessible to all users.
NFR-2	Security	Secure login (OAuth 2.0), encrypted user data, role-based access control.
NFR-3	Reliability	System should provide consistent performance with minimal downtime.
NFR-4	Performance	Response time < 2 seconds for user actions; AI response within 3 seconds.
NFR-5	Availability	99.5% system uptime; LMS access and personalization features always online.

NFR No.	Non-Functional Requirement	Description
NFR-6	Scalability	Support 10,000+ concurrent users; scalable AI model hosting and storage.