

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

Date	27 JUNE 2025
Team ID	LTVIP2025TMID52721
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	FR-001-1: Allow students to register and log in FR-001-2: Allow tutors to register and verify credentials FR-001-3: Validate user input and store in user database
FR-2	User Confirmation	FR-002-1: Filter tutors by subject, grade level, availability FR-002-2: Sort results by rating or session count
FR-3	Booking & Scheduling	FR-003-1: Enable students to request tutoring sessions FR-003-2: Allow tutors to accept or decline session requests FR-003-3: Update calendars for both student and tutor
FR-4	Session Management	FR-004-1: Launch integrated video chat platform FR-004-2: Notify users before sessions start FR-004-3: End session and record duration/time logs
FR-5	Feedback & Ratings	FR-005-1: Students can rate and review tutors FR-005-2: Tutors can view aggregated ratings
FR-6	Notifications & Alerts	FR-006-1: Send email reminders for sessions FR-006-2: Notify tutors when a new booking request is made

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Users (students, tutors) can register and securely log in using email/password.
NFR-2	Security	Tutors can create and update their subject expertise, availability, and rates.
NFR-3	Reliability	Students can search/filter courses by subject, level, and tutor rating.
NFR-4	Performance	Students can book one-on-one sessions based on tutor availability.
NFR-5	Availability	Real-time video and chat support for live tutoring sessions.
NFR-6	Scalability	Students can pay for sessions via secure payment gateways (e.g., Stripe, PayPal).