

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

Date	25 june 2025
Team ID	LTVIP2025TMID45942
Project Name	Learn-Hub
Maximum Marks	4 Marks

**Functional Requirements**

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	Course Management (Teacher)	• Add/Edit/Delete Course • Upload videos/images • View enrolled students
FR-4	Enrollment & Learning	• View course list • Enroll in course via payment • Access video content • Track progress per section

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**Non-functional Requirements**

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Clean and intuitive UI with role-based navigation for students, teachers, admins.
NFR-2	Security	JWT-based authentication, protected routes, and role validation.
NFR-3	Reliability	Robust API handling with validation and consistent error responses.
NFR-4	Performance	Optimized API response times (<500ms), lazy loading for video content.
NFR-5	Availability	24/7 uptime with cloud deployment on Render/Vercel.
NFR-6	Scalability	Modular backend and frontend structure allowing for future feature additions.