

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	18-06-2025
Team ID	LTVIP2025TMID53342
Project Name	Learnhub
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Authentication	Sign up, Login, Password Reset, OAuth (Google/GitHub)
FR-2	Course Management	Add/Edit/Delete Courses (Teacher), Browse & Search Courses (Student)
FR-3	Enrollment & Learning	Enroll in courses, Track progress, Access learning materials
FR-4	Certificates	Generate and download course completion certificates
FR-5	Payments	Secure payment gateway for paid courses
FR-6	Communication	Real-time chat between students and teachers

Non-Functional Requirements:

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The platform should offer a clean, intuitive UI for learners and educators
NFR-2	Security	Encrypt all data transfers, implement role-based access, token authentication.
NFR-3	Reliability	Ensure courses, enrollment, and payments work reliably under all conditions.
NFR-4	Performance	Pages should load within 2 seconds, videos should stream smoothly

NFR-5	Availability	System should maintain 99.9% uptime across all services.
NFR-6	Scalability	Support high concurrency and easy feature scaling through microserver.