

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

Date	22 May 2025
Team ID	LTVIP2025TMID52020
Project Name	LearnHub: Your Center for Skill Enhancement
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	Educators create courses	Create chapters, add pages in chapters, upload videos and PDFs
FR-2	Learners enroll in courses	Students enroll in courses, complete chapters and track progress
FR-3	Certificate generation	Certificate is generated upon course completion
FR-4	User Authentication & Authorization	Sign up, login, and access control based on role like student/instructor/admin
FR-5	Admin Dashboard	Manage users, monitor courses, handle reports

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The app should have an intuitive and user-friendly interface and smooth navigation for users of all demographics.
NFR-2	Security	Secure authentication with Firebase, HTTPS encryption, and access control.
NFR-3	Reliability	The app should ensure a consistent and uninterrupted streaming experience, minimizing crashes and downtime.
NFR-4	Performance	The app should respond to user quickly and the courses and pages should load and stream quickly.

NFR-5	Availability	The system should be available at any-time and ensuring accessibility across different global time zones.
NFR-6	Scalability	The application should be able to handle the increasing users and concurrent streams efficiently without any reduce in performance. The architecture should support future feature expansion.