

## Project Design Phase-II

### Solution Requirements (Functional&Non-functional)

Date	23 May 2025
Team ID	LTVIP2025TMID45605
Project Name	LearnHub
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
FR-2	Learners enroll in courses	Students enroll in course, complete chapters, track progress
FR-3	Certificate generation	Certificate gets generated upon course completion

**Non-functional Requirements:**

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

<b>NFR No.</b>	<b>Non-Functional Requirement</b>	<b>Description</b>
<b>NFR-1</b>	<b>Usability</b>	The app should have an intuitive and user-friendly interface, ensuring smooth navigation and accessibility for users of all demographics.
<b>NFR-2</b>	<b>Security</b>	User authentication and data must be secured using encryption (e.g., HTTPS, OAuth for third-party logins). The app should prevent unauthorized access and follow best security practices.
<b>NFR-3</b>	<b>Reliability</b>	The app should ensure a consistent and uninterrupted music streaming experience, minimizing crashes and downtime.
<b>NFR-4</b>	<b>Performance</b>	Courses should load and stream with minimal buffering. The app should respond to user interactions (search, playback, course management) within 2 seconds.
<b>NFR-5</b>	<b>Availability</b>	The system should maintain an uptime of at least 99.9%, ensuring accessibility across different time zones.
<b>NFR-6</b>	<b>Scalability</b>	The application should handle increasing numbers of users and concurrent streams efficiently without performance degradation. The architecture should support future feature expansion.