

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

|               |                    |
|---------------|--------------------|
| Date          | 22 June 2025       |
| Team ID       | LTVIP2025TMID57363 |
| Project Name  | LearnHub           |
| Maximum Marks | 4 Marks            |

**Functional Requirements:**

The 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, and upload videos           |
| FR-2   | Learners enrol in courses     | Students enrol in the course, complete chapters, and track progress |
| FR-3   | Certificate generation        | A certificate gets generated upon course completion                 |
| FR-4   |                               |   |
|        |                               |   |
|        |                               |   |

**Non-functional Requirements:**

The 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, ensuring smooth navigation and accessibility for users of all demographics.   |
| NFR-2   | Security                   | User authentication and data must be secured using encryption (e.g., HTTPS, OAuth for third-party logins). The app should prevent unauthorised access and follow best security practices. |
| NFR-3   | Reliability                | The app should ensure a consistent and uninterrupted music streaming experience, minimising 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. |