**Project Design Phase-II**

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

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| Date | 26 June 2025 |
| Team ID | LTVIP2025TMID59463 |
| Project Name | Learnhub |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **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 |

**Non-functional Requirements:**

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The platform should have an intuitive, user-friendly interface that allows learners and instructors to navigate easily without technical expertise. |
| NFR-2 | **Security** | User data, payment information, and course content must be protected using encryption, secure authentication, and role-based access control. |
| NFR-3 | **Reliability** | The system should perform consistently under expected loads, ensuring accurate course delivery, enrollment tracking, and certification issuance. |
| NFR-4 | **Performance** | The platform should respond quickly to user actions such as course loading, video streaming, and quiz submissions, even during peak usage times. |
| NFR-5 | **Availability** | LearnHub should remain accessible to users 24/7 with minimal downtime and automatic failover mechanisms in place. |
| NFR-6 | **Scalability** | The system must support growing numbers of users and courses by scaling horizontally using cloud infrastructure and microservices. |