**✅ Project Design Phase-II**

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

**Date**

31 January 2025

**Team ID**

LTVIP2025TMID49959

**Project Name**

Your Center for Skill Enhancement (Online Learning Platform)

**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 | | User Registration | | - Registration through Form - Registration through Gmail - Registration through LinkedIn | |
| FR-2 | | User Confirmation | | - Confirmation via Email - Confirmation via OTP | |
| FR-3 | | User Login | | - Login with Email & Password - Login with Social Accounts (Gmail, LinkedIn) | |
| FR-4 | | Course Management | | - Create, Edit, Delete Courses (Teacher) - Browse and View Courses (Student) - Enroll in Free/Paid Courses | |
| FR-5 | | Payment Integration | | - Process payments through Stripe - Handle successful and failed transactions | |
| FR-6 | | Progress Tracking | | - Track learning progress for enrolled courses - Resume courses from last progress point | |
| FR-7 | | Certificate Generation | | - Generate PDF certificates after course completion | |
| FR-8 | | Discussion Forums | | - Post and reply to discussions under each course | |
| FR-9 | | Admin Management | | - Manage user accounts - Manage courses - View reports and analytics | |
|  |  | |  | |

**✅ Non-functional Requirements**

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

| **NFR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | Usability | The platform should have an intuitive and user-friendly interface, accessible to users of varying technical skill levels. |
| NFR-2 | Security | Data must be protected through secure authentication (JWT), encryption, and adherence to privacy policies. |
| NFR-3 | Reliability | The system should operate consistently with minimal downtime, ensuring user trust. |
| NFR-4 | Performance | The application should load pages quickly and handle multiple concurrent users without significant delays. |
| NFR-5 | Availability | The platform should be accessible 24/7, with minimal maintenance windows. |
| NFR-6 | Scalability | The system must be scalable to handle increasing users, data, and feature expansion in the future. |

✅ **Outcome:**  
The above functional and non-functional requirements ensure that the **Online Learning Platform** is robust, secure, and delivers a seamless user experience, supporting learners, educators, and administrators effectively.