**Project Design Phase-II**

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

|  |  |
| --- | --- |
| Date | 2506/2025 |
| Team ID | LTVIP2025TMID32123 |
| Project Name | EduTutor AI: Personalized Learning with Generative AI and LMS Integration |
| 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 | AI-Based Content Generation | Generate personalized study notes  - Create quiz questions from syllabus  - Summarize uploaded documents using AI |
| FR-4 | |  | | --- | |  |  |  | | --- | | Learning Management Integration | | - Access to course modules  - Track student progress  - Sync with existing LMS platforms such as Moodle or Google Classroom |
|  |  |  |
|  |  |  |

**Non-functional Requirements:**

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The user interface must be simple, intuitive, and accessible across devices and user types |
| NFR-2 | **Security** | Ensure data privacy using SSL/TLS encryption, OAuth integration, and two-factor authentication |
| NFR-3 | **Reliability** | The system should maintain over 99% uptime with regular backups and failover mechanisms |
| NFR-4 | **Performance** |  |
| NFR-5 | **Availability** |  |
| NFR-6 | **Scalability** |  |