**Project Design Phase-II**

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

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| Date | 26 June 2025 |
| Team ID | LTVIP2025TMID35441 |
| Project Name | Edu Tutor AI: Personalized Learning with Generative AI and LMS Integration |
| 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 | Quiz generation (topic + difficulty) | Confirmation via Email  Confirmation via OTP |
| FR-3 | Performance evaluation with feedback | - |
| FR-4 | Student progress dashboard | - |
| FR-5 | Educator analytics overview | - |
| FR-6 | Adaptive quiz generation based on history | - |

**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** | Simple and intuitive Streamlit interface |
| NFR-2 | **Security** | Hashed passwords using Werkzeug |
| NFR-3 | **Reliability** | Quiz generation under 2 seconds |
| NFR-4 | **Performance** | Handles DB reconnects and reruns |
| NFR-5 | **Availability** | Deployed via Streamlit cloud with minimal downtime |