**Project Design Phase-II**

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

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| Date | 27 JUNE 2025 |
| Team ID | LTVIP2025TMID31213 |
| 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.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | FR-001-1: Allow students to register and log in  FR-001-2: Allow tutors to register and verify credentials  FR-001-3: Validate user input and store in user database |
| FR-2 | User Confirmation | FR-002-1: Filter tutors by subject, grade level, availability  FR-002-2: Sort results by rating or session count |
| FR-3 | Booking & Scheduling | FR-003-1: Enable students to request tutoring sessions  FR-003-2: Allow tutors to accept or decline session requests  FR-003-3: Update calendars for both student and tutor |
| FR-4 | Session Management | FR-004-1: Launch integrated video chat platform  FR-004-2: Notify users before sessions start  FR-004-3: End session and record duration/time logs |
| FR-5 | Feedback & Ratings | FR-005-1: Students can rate and review tutors  FR-005-2: Tutors can view aggregated ratings |
| FR-6 | Notifications & Alerts | FR-006-1: Send email reminders for sessions  FR-006-2: Notify tutors when a new booking request is made |

**Non-functional Requirements:**

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| **FR No.** | **Non-Functional Requirement** | **Description** |  |
| NFR-1 | **Usability** | Users (students, tutors) can register and securely log in using email/password. |
| NFR-2 | **Security** | Tutors can create and update their subject expertise, availability, and rates. |
| NFR-3 | **Reliability** | Students can search/filter courses by subject, level, and tutor rating. |
| NFR-4 | **Performance** | Students can book one-on-one sessions based on tutor availability. |
| NFR-5 | **Availability** | Real-time video and chat support for live tutoring sessions. |
| NFR-6 | **Scalability** | Students can pay for sessions via secure payment gateways (e.g., Stripe, PayPal). |
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Following are the non-functional requirements of the proposed solution.