**Project Design Phase-II**

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

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID35544 |
| Project Name | smartsdlc – ai-enhanced software development lifecycle |
| 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 |
| FR-3 | User Login | Login with Email  Login with Gmail  Login with LinkedIn |
| FR-4 | Admin Dashboard | View Metrics  Manage Users/Projects  Monitor AI Logs |
| FR-5 | Notification System | View Metrics  Manage Users/Projects  Monitor AI Logs |
| FR-6 | Project Management | Create Project  Assign Roles  Set Milestones |

**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 system should provide an intuitive and user-friendly interface for all roles. |
| NFR-2 | **Security** | Ensure secure authentication, data encryption, and role-based access control. |
| NFR-3 | **Reliability** | The platform should consistently operate without unexpected failure or behavior. |
| NFR-4 | **Performance** | Response times should be optimized, even during peak usage or complex tasks. |
| NFR-5 | **Availability** | The system must be accessible 24/7 with minimal downtime or service interruptions. |
| NFR-6 | **Scalability** | Easily adapt to increasing workloads, projects, or user growth without degradation. |