# Project Design Phase-II Solution Requirements (Functional & Non-functional)

Date: 28 June 2025  
Team ID: LTVIP2025TMID28676  
Project Name: Optimizing Role-Based Access and Task Workflows  
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 Role Definition | Create Project Manager and Team Member roles |
| FR-2 | Group Setup | Define project team group and assign users |
| FR-3 | Access Control | Define ACLs based on role and task assignment |
| FR-4 | Task Workflow | Implement task status transitions with notifications |
| FR-5 | Task Visibility | Restrict task access to role-relevant data |
| FR-6 | Audit Logging | Track task updates and user actions |
| FR-7 | Dashboard View | Role-based dashboard for task tracking |

## Non-functional Requirements

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

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| NFR No. | Description |
| NFR-1 | Usability: Clean and intuitive UI for PM and Team Member roles |
| NFR-2 | Security: Role-based access control and data protection |
| NFR-3 | Reliability: Minimal system downtime and backup management |
| NFR-4 | Performance: Task operations must complete in <2s under load |
| NFR-5 | Availability: 24/7 access with automated failover support |
| NFR-6 | Scalability: Easily expandable for new projects and users |