

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

Date	02 February 2026
Team ID	LTVIP2026TMIDS60803
Project Name	Optimizing User, Group & Role Management with Access Control and Workflows
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 Authentication	Login using credentials Role-based login validation Logout functionality
FR-2	User & Role Management	Create new users Assign roles (Project Manager, Team Member, Admin) Create and manage groups Modify / deactivate users
FR-3	Task Creation & Assignment	Project Manager creates task Assign task to Team Member Set priority & deadline
FR-4	Workflow Management	Task status flow (Open → In Progress → Completed) Automated task notifications Approval process for completed tasks
FR-5	Access Control (ACL)	Restrict access based on role Only PM can approve tasks Team Member can update only assigned tasks
FR-6	Audit & Logging	Log all user activities Track task history

# Non-Functional Requirements

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should provide an easy-to-use dashboard with clear task visibility and intuitive navigation.
NFR-2	Security	Role-based access control (RBAC) must restrict unauthorized access to tasks and user data.
NFR-3	Reliability	The system must ensure consistent task tracking and prevent data loss.
NFR-4	Performance	Task updates and workflow transitions should be processed within 2–3 seconds.
NFR-5	Availability	The system should be available 24/7 with minimal downtime.
NFR-6	Scalability	The system should support increasing users, groups, and projects without performance degradation.