

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

Date	01 Nov 2025
Team ID	NM2025TMID01533
Project Name	Optimizing User, Group, and Role Management with Access Control and Workflows
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

Functional Requirements

FR No. Functional Requirement (Epic) Sub Requirement (Story / Sub-Task)

FR-1	User & Role Registration	Registration via Form
		Registration via Gmail
		Role Assignment on Signup
FR-2	Access Control	Access based on Role Permissions
		Restricted Feature Visibility
FR-3	Task Management	Task Creation
		Task Assignment by Role
		Status Updates (In Progress, Done)
		Status Change Alerts
FR-4	Notifications & Communication	Role Change Notifications
		Task Feedback Loops

Non-Functional Requirements

NFR	Non-Functional Requirement	Description No.
NFR-1		Simple and intuitive interface for users to navigate roles and
		Usability tasks

NFR-2		Role-based access control, data encryption, and secure authentication
NFR-3	Reliability	System should function correctly and consistently under defined conditions
NFR	Non-Functional Requirement	Description No.
NFR-4		Fast response time for task updates, access checks, and Perform ance notifications
NFR-5	Availability	99.9% uptime to ensure uninterrupted project collaboration
NFR-6		Ability to scale up for additional users, roles, and task Scalability complexity
