

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

Date	01 Nov 2025
Team ID	NM2025TMID05127
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)
FR-4	Notifications & Communication	Status Change Alerts Role Change Notifications Task Feedback Loops

Non-Functional Requirements

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Simple and intuitive interface for users to navigate roles and tasks
NFR-2	Security	Role-based access control, data encryption, and secure authentication
NFR-3	Reliability	System should function correctly and consistently under defined conditions

NFR No.	Non-Functional Requirement	Description
NFR-4	Performance	Fast response time for task updates, access checks, and notifications
NFR-5	Availability	99.9% uptime to ensure uninterrupted project collaboration
NFR-6	Scalability	Ability to scale up for additional users, roles, and task complexity
