

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

Date	01 Nov 2025
Team ID	NM2025TMID07925
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.

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**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

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**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

<b>NFR No.</b>	<b>Non-Functional Requirement</b>	<b>Description</b>
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

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