

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

Date	02 Nov 2025
Team ID	NM2025TMID03269
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.

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

- FR-1** User & Role Registration
 - Registration via Form
 - Registration via SSO/LDAP (e.g., Gmail/SSO)
 - Role Assignment during/after Signup
- FR-2** Access Control
 - Access based on Role Permissions
 - Restricted Feature Visibility
- FR-3** Task Management
 - Task Creation
 - Task Assignment Based on Role
 - Status Updates (In Progress, Done, On Hold)
- FR-4** Notifications & Communication - Status Change Alerts
 - Role Change Notifications
 - Task Feedback and Approval Flow
 - Email & ServiceNow Notification Integration

Non-Functional Requirements:

NFR Non-Functional		Description
No.	Requirement	
NFR-1	Usability tasks, and workflows	Simple and intuitive interface for users to navigate roles, tasks, and workflows.
NFR-2	Security	Role-based access, data encryption, ServiceNow ACLs, and audit logs.

secure authentication (SSO/LDAP)

NFR	Non-Functional	Description
No.	Requirement	
		System should function consistently under defined
NFR-3	Reliability	conditions with audit tracking
NFR-4	Performance	Fast response time for workflows, user access checks, and task status updates (<3 sec)
		99.9% uptime supported by ServiceNow cloud multi-
NFR-5	Availability	instance architecture
		Ability to scale up for additional users, workflows, and
NFR-6	Scalability	advanced role/task complexity