

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

secure authentication (SSO/LDAP)

**NFR Non-Functional**

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