Project Design Phase-II Solution Requirements

(Functional & Non-functional)

Date	01 Nov 2025
Team ID	NM2025TMID01508
Project Name	Optimizing User, Group and Role Management with Access Control and Workflows
Maximum Marks	4 Marks

Functional Requirements:

Below are the functional requirements identified for the proposed solution.

- FR-1 User & Role Onboarding

    - - User registration via dynamic form interface
    - - Option for single sign-on (SSO) or LDAP integration (e.g., Google, SSO)
    - - Automated role allocation after registration

- FR-2 Access Control Management

    - - Permission-based access defined by user roles
    - - Visibility restrictions on sensitive tools and resources

- FR-3 Task Workflow Management

    - - Creation and allocation of tasks according to assigned roles
    - - Progress tracking with statuses such as In Progress, Blocked, Completed
    - - Real-time updates and tracking

- FR-4 Notifications & Communication

    - - Automated alerts for role or task status changes
    - - Approval and feedback mechanisms within workflow
    - - Integration with email and ServiceNow for communication

Non-Functional Requirements:

NFR No.	Non-Functional Requirement	Description

NFR-1	Usability	User-friendly interface with smooth navigation for managing roles, tasks, and workflows.
NFR-2	Security	Implements secure authentication (SSO/LDAP), role-based data control, encryption, and ServiceNow ACLs.
NFR-3	Scalability	System designed to accommodate additional users, roles, and workflows without performance degradation.