Project Design Phase-2
Solution Requirements (Functional and Non-Functional)

Date	2 NOVEMBER 2025
Team ID	NM2025TMID05988
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 Requirements (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Management	Create New User (Alice / Bob) Edit user details Disable user
FR-2	Role Management	Create roles (Project Manager; Team Member) Assign role to user
FR-3	Group Management	Create Groups / Teams Add Members to Groups
FR-4	Access Control	Project Manager can assign tasks Team Member can update task status Restrict sensitive access (PM only)
FR-5	Workflow Setup	Define task workflow stages (To Do -> In Progress -> Review -> Done) Auto Status Transitions
FR-6	Task Accountability Check	System verifies assigned owner before workflow change Prevent moving task to "Done" without update proof
FR-7	Activity Logs	Log every permission change Log every task status change

Non-Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No	Non-Functional Requirements	Description
NFR-1	Usability	Usability Interface should be simple and intuitive for Project Manager & Team Members
NFR-2	Security	Only authorized users can modify roles, groups, and access permissions
NFR-3	Reliability	System must always enforce access rules correctly before task changes
NFR-4	Performance	Workflow transitions and access checks must occur instantly without delay
NFR-5	Availability	System should be accessible whenever team wants to manage work items
NFR-6	Scalability	System should handle more users, roles, and tasks as the team grows