

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

Date	1 NOVEMBER 2025
Team ID	NM2025TMID00309
Project Name	Optimizing User, Group, and Role Management with Access Control and Workflows
Maximum Marks	4 Marks

Optimizing User, Group, & Role Management with Access Control & Workflows

Functional Requirements:

Following are the functional requirements of the proposed solution

FR No.	Access Request	Functional Requirement (Epic)	Sub (Story / Sub-Task)
FR-1	Approval Workflow	Submission through Service Catalog Form	User/Manager Data
FR-2	Automated Provisioning	Intelligent Routing to Group/Manager	
FR-3	Automated Roles via Group (e.g., AD, SAAS Apps)	Integration with Role (e.g., Security, Application Owner)	
FR-4	Automated Deprovisioning	Integration with Target Systems (e.g., HR, CLAAS Apps)	
FR-5	Access Recertification	Automated Policy Enforcement	History User
FR-6	Segregation of Duties (SoD)	Conflict Monitoring	Conflict Monitoring

Non-Functional Requirements:

Following are the non-functional requirements of the proposed solution

NFR No.	Non-Functional Requirement / Description		
NFR-1	Usability	Intuitive Service Catalog Interface	
NFR-2	Performance	Fast Secure Authentication/Authorization	Approval Dashboards for Managers
NFR-3	Security	Authentication (under 30s)	Quick User Least Privilege (under 5 min)
NFR-4	Reliability	Error-Proof Least Privilege Enforcement	Consistent Data Integrity
NFR-5	Availability	System Accessible 24/7 (cloud-based)	High Uptime for Critical Services
NFR-6	Scalability	Handle Increasing User/Group Load	Extendable to New Applications

