

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

Date	2 NOVEMBER 2025
Team ID	NM2025TMID00383
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	<b>Approval Workflow</b>	Submission through Service Catalog Form	User/Manager Data
FR-2	<b>Automated Provisioning</b>	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	<b>Automated Deprovisioning</b>	Integration with Target Systems (e.g., HR, CLAAS Apps)	
FR-5	<b>Access Recertification</b>	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	<b>Usability</b>	Intuitive Service Catalog Interface	
NFR-2	<b>Performance</b>	Fast Secure Authentication/Authorization	Approval Dashboards for Managers
NFR-3	<b>Security</b>	Authentication (under 30s)	Quick User Least Privilege (under 5 min)
NFR-4	<b>Reliability</b>	Error-Proof Least Privilege Enforcement	Consistent Data Integrity
NFR-5	<b>Availability</b>	System Accessible 24/7 (cloud-based)	High Uptime for Critical Services
NFR-6	<b>Scalability</b>	Handle Increasing User/Group Load	Extendable to New Applications

