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

Date	1 NOVEMBER 2025
Team ID	NM2025TMID00409
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	Intomated Routing to Group/Manager	
FR-3	Automated Roles via Group (e.d), AD, SAAS Apps)	Integration with Role (e.g)., Security, Application Owner)	
FR-4	Automated Deproisining	Integration with Target Systems (e.g)., HR, CLAAS Apps)	
FR-5	Access Recertfication	Automated Policy Enforement	History User
FR-6	Segergation of Duties (SoD)	Conflict Monitoring	Conflict Monitring

Non-Functional Requirements:

Following are the non-functional requirements of the proposed solution

NFR No.			Non-Functional Requirement / Description
NFR-1	Usiability		Intutive Service Catalog Interface
NFR-2	Performance	Fast Secure Authettation/Auhorzation	Approval Dashboards for Managers
NFR-3	Security	Authentiow (under 30s)	Quick User Least Priviensing (under 5 min)
NFR-5	Reliability	Error-Proof Least Piviege Enforement	Consistent Data Integrity
NFR-5	Availability	System Accessible 24/7 (cloud-based)	High Uptime for Critical Services)
NFR-6	Scalabilly	Handle Increasing User/Group Load	Extendable to New Applications

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