

Project Design Phase-II

Data Flow Diagram & User Stories

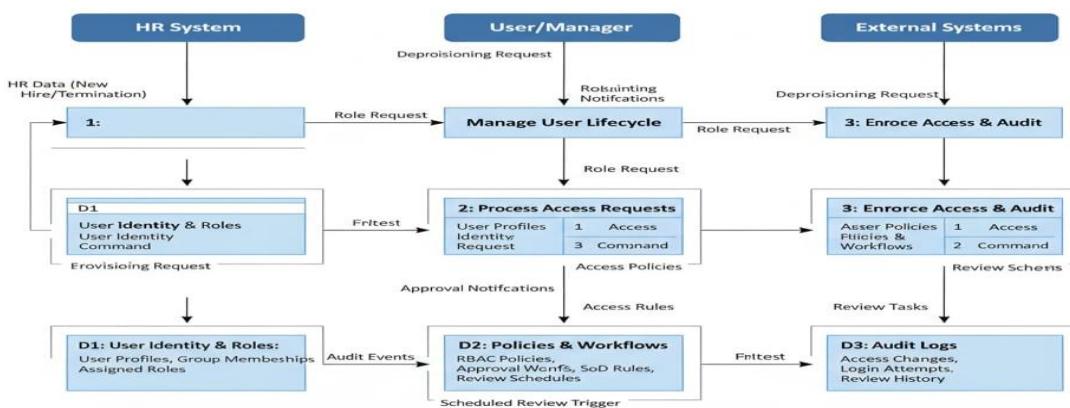
Date	31 October 2025
Team ID	NM2025TMID06082
Project Name	Optimizing user, group and role management with access control and workflow
Maximum Marks	4 Marks

Data Flow Diagrams:

The Data Flow Diagram (DFD) for Optimizing User, Group, and Role Management with Access Control and Workflow shows how data moves securely through the system. Administrators manage users, groups, and roles, which are stored in central databases. The access control process verifies user permissions before granting system access. Workflow automation handles approvals and assignments, ensuring efficiency and compliance. Audit logs record all actions for transparency and monitoring, creating a streamlined, secure, and well-managed access control environment.

Example:

LEVEL 0 DFD: OPTIMIZING ACCESS CONTROL & WORKFLOWS



User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Administrator	User and Role Management	USN-1	As an admin, I want to create and assign roles to users to manage access efficiently.	System should allow admins to assign roles and update permissions successfully.	High	Sprint-1
System (Auto-check)	Access Validation	USN-2	As a system, I must verify that users have proper role permissions before accessing data.	Access should be granted only if role permissions match the access level defined.	High	Sprint-1
Manager	Workflow Automation	USN-3	As a manager, I want to automate approval workflows for access requests.	Workflow triggers should route approvals to the appropriate authority automatically.	Medium	Sprint-2