

## Project Planning Phase

### Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	2 November 2025
Team ID	NM2025TMID00383
Project Name	Optimizing User, Group, and Role Management with Access Control and Workflows
Maximum Marks	5 Marks

### Product Backlog, Sprint Schedule, and Estimation (4Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Member
Sprint-1	User Creation	USN-1	As an admin, I can create users with personal details and login credentials.	3	High	Muthu Mahalakshmi M
Sprint-1	Group Management	USN-2	As an admin, I can create and manage groups based on departments/teams.	3	High	Rumsiya A
Sprint-2	Role Assignment	USN-3	As an admin, I can assign roles and permissions to users and groups.	4	High	Nasreen BANU S
Sprint-2	Access Control Rules	USN-4	As a security officer, I can enforce access rules and restrict unauthorized access.	3	Medium	Rishika P
Sprint-3	Workflow Automation	USN-5	As a manager, I can approve user access requests through an automated	5	Medium	Muthu Mahalakshmi M

			workflow.			
Sprint-3	Audit & Logging	USN-6	As a compliance officer, I can view logs of user access changes and approvals.	3	Medium	Rishika P
Sprint-4	Testing & Documentation	USN-7	As a tester, I will test role-based access functionalities and document processes.	3	High	Rumsiya A

## Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	6	6 Days	01 July 2025	06 July 2025	6	06 July 2025
Sprint-2	7	6 Days	07 July 2025	12 July 2025	7	12 July 2025
Sprint-3	8	6 Days	13 July 2025	18 July 2025	8	18 July 2025
Sprint-4	4	6 Days	19 July 2025	24 July 2025	4	24 July 2025

## Velocity

Average velocity = (Total Story Points Completed) / (Total Duration in Days)

Total: 25 points over 24 days → Velocity = 1.04 points/day

## Burndown Chart

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress overtime.

