

## Product Planning Phase

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

Date	2st November 2025
Team ID	NM2025TMID06473
Project Name	Optimizing User, Group, and Role Management with Access Control and Workflows
Maximum Marks	5 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Management	USN-1	As an admin, I can create users (Alice and Bob) for access setup.	2	High	ANCEL LIGIN S
Sprint-1	Group Management	USN-2	As an admin, I can create user groups for role-based permissions.	3	High	ASHIK ROW AS
Sprint-2	Role Management	USN-3	As an admin, I can create roles and assign them to users for access control.	4	High	ANU ISSAC A
Sprint-2	Application Access	USN-4	As an admin, I can assign table-level access to specific applications.	3	Medium	SREE DHARSHAN

Sprint-3	Access Control List (ACL)	USN-5	As a system admin, I can configure ACLs to dynamically control access.	3	High	Varsha V S
Sprint-3	Workflow Automation	USN-6	As an admin, I can create a flow to assign operations tickets to groups automatically.	3	Medium	Varsha V S
Sprint-4	Testing & Documentation	USN-7	As a tester, I will verify ACLs, flows, and document the implementation.	4	Medium	All Members

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	10	6 Days	01 Nov 2025	06 Nov 2025	10	06 Nov 2025
Sprint-2	10	6 Days	07 Nov 2025	12 Nov 2025	10	12 Nov 2025
Sprint-3	10	6 Days	13 Nov 2025	18 Nov 2025	9	18 Nov 2025
Sprint-4	10	6 Days	19 Nov 2025	24 Nov 2025	10	24 Nov 2025

### Velocity

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

Total = 39 points over 24 days → Velocity = 1.625 points/day

### Burndown Chart:

A burndown chart shows the amount of work remaining (Y-axis) against time (X-axis). As each sprint progresses, the chart visually displays the team's progress toward completing all planned user stories. This helps in identifying delays, sprint bottlenecks, and improving future sprint planning.