

## Product Planning Phase

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

Date	7 November 2025
Team ID	NM2025TMID09137
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	Adithyan A J
Sprint-1	Group Management	USN-2	As an admin, I can create user groups for role-based permissions.	3	High	Dhushyanth S P
Sprint-2	Role Management	USN-3	As an admin, I can create roles and assign them to users for access control.	4	High	Jagathesh R
Sprint-2	Application Access	USN-4	As an admin, I can assign table-level access to specific applications.	3	Medium	Adithyan A J

Sprint-3	Access Control List (ACL)	USN-5	As a system admin, I can configure ACLs to dynamically control access.	3	High	Dhusyanth S P
Sprint-3	Workflow Automation	USN-6	As an admin, I can create a flow to assign operations tickets to groups automatically.	3	Medium	Jagathesh R
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	1 Day	29 Oct 2025	29 Oct 2025	10	29 Oct 2025
Sprint-2	10	1 Day	30 Oct 2025	30 Oct 2025	10	30 Oct 2025
Sprint-3	10	1 Day	31 Oct 2025	31 Oct 2025	9	31 Oct 2025
Sprint-4	10	1 Day	1 Nov 2025	1 Nov 2025	10	1 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.