Product Planning Phase

Project Planning Template

(Product Backlog, Sprint Planning, Stories, Story Points)

Date	2 November 2025
Team ID	NM2025TMID02839
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	Mercika Mohan A V
Sprint-1	Group Management	USN-2	As an admin, I can create user groups for role-based permissions.	3	High	Gopika R
Sprint-2	Role Management	USN-3	As an admin, I can create roles and assign them to users for access control.	4	High	Amrutha Varshni K N
Sprint-2	Application Access	USN-4	As an admin, I can assign table-level access to specific applications.	3	Medium	Jushna Breethi J

Sprint-3	Access Control List (ACL)	USN-5	As a system admin, I can configure ACLs to dynamically control access.	3	High	Mercika Mohan A V
Sprint-3	Workflow Automation	USN-6	As an admin, I can create a flow to assign operations tickets to groups automatically.	3	Medium	Mercika Mohan A V
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.