

Project Planning Phase

Project Planning Template(Product Backlog, Spring Planning, Stories, Story Points)

Date	1 NOV 2025
Team ID	NM2025TMID00759
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, update, and delete user accounts securely.	3	High	Abisha.K
Sprint-1	Group Management	USN-2	As an admin, I can create and assign groups to manage multiple users efficiently.	2	High	Brindha.D.S
Sprint-2	Role Management	USN-3	As an admin, I can define roles with specific permissions for access control.	4	High	Gnana Shanika.G.S

Sprint-2	Access Control	USN-4	As a user, I can should restrict unauthorized access based on user roles.	3	Medium	Indirani.R.Y
Sprint-3	Workflow Automation	USN-5	As a user, I can trigger workflows for approval when new users or roles are added.	4	Medium	Abisha.K
Sprint-3	Documentation	USN-6	As a developer, I want to document the access control architecture and workflows.	3	Medium	Brindha.D.S

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

Spring	Total Story Points	Duration	Spring Start Date	Spring End Date(planned)	Story Points Completed(as on planned End Date)	Spring R
Spring-1	7	2 Days	25 Oct 2025	26 Oct 2025	7	26 Oct 2025
Spring-2	7	2 Days	27 Oct 2025	28 Oct 2025	7	28 Oct 2025
Spring-3	7	2 Days	29 Oct 2025	30 Oct 2025	7	30 Oct 2025
Spring-4	6	3 Days	31 Oct 2025	02 Nov 2025	6	02 Nov 2025(Submission day)

Velocity:**Formula:**

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

Total=79 points/24 days

Velocity=3.29 points/day

Burndown Chart Explanation:

A Burndown chart visually represents the remaining work versus time.

In this project, it helps track progress in implementation:

- User Management Module
- Group Management Module
- Role-Based Access Control(RBAC)
- Workflow Automation

As each sprint completes,the number of remaining story points decreases,indicating progress toward completion.