

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

Date	02 Nov 2025
Team ID	NM2025TMID04960
Project Name	Optimizing User, Group, and Role Management with Access Control and Workflows
Maximum Marks	4 Marks

### Product Backlog, Sprint Schedule, and Estimation (5 Marks)

#### 1. Product Backlog & Sprint Schedule Table:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority / Team Members
Sprint 1	User & Role Management	USN-1	As an admin, I can define and assign roles (Project Manager, Team Member).	2	High / Asfar B
Sprint 1	Access Control	USN-2	As a user, I can view and access only those tasks assigned to my role.	2	High / Shunmuga Sundaram K
Sprint 1	Task Assignment	USN-3	As a Project Manager, I can create and assign tasks to users based on roles.	2	High / Jebastin K
Sprint 2	Workflow Implementation	USN-4	As a user, I can update the status of assigned tasks (e.g., In Progress, Done).	2	Medium / Maria Aaron Hartlin Fernando S
Sprint 2	Notifications	USN-5	As a user, I receive notifications when task status is updated or reassigned.	1	Medium / Asfar B
Sprint 2	Reporting & Tracking	USN-6	As a Project Manager, I can view progress reports and team performance summaries.	2	High / Maria Aaron Hartlin Fernando S
Sprint 3	Role Editing	USN-7	As an admin, I can update user roles and permissions when required.	1	Low / Jebastin K
Sprint 3	Audit Trail	USN-8	As an admin, I can view a history of changes made to roles and tasks.	1	Low / Shunmuga Sundaram K

#### 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	8	5 days	24 Oct 2025	05 Nov 2025	8	05 Nov 2025
Sprint 2	9	5 days	06 Nov 2025	11 Nov 2025	9	11 Nov 2025
Sprint 3	5	5 days	12 Nov 2025	17 Nov 2025	5	17 Nov 2025

## Velocity Calculation:

Average of Sprint-1, Sprint-2, and Sprint-3 =  $(8 + 9 + 5) / 3 = 7.33$  story points per sprint

## Velocity per Day:

Total Story Points Completed = 22

Total Sprint Days = 15

Velocity =  $22 \div 15 = 1.47$  story points per day

## Burndown Chart Description:

The Burndown Chart for the project “Optimizing User, Group, and Role Management with Access Control and Workflows” depicts the team's progress over the sprint duration.

- The **Ideal Burndown Line** represents planned progress in a straight, steady decline.
- The **Actual Burndown Line** shows real progress based on task completion during each sprint.
- Both lines help visualize whether the project is ahead, on track, or behind schedule, providing insights for better sprint planning and workload management.