

Project Planning Phase

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

Date	31/10/25
Team ID	NM2025TMID09014
Project Name	Optimization User, group and role management with access control and workflow
Maximum marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation

Use the below template to create the product back

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team members
Sprint1	User Management	USR-1	As an admin, I can create and update user profiles for access control.	2	High	K.Yogita
Sprint1	Group Management	USR-2	As an admin, I can create groups and assign users to them for permission management.	2	High	S.Vinitha
Sprint 2	Role Management	USR-3	As a system admin, I can define roles and assign access rights to specific groups.	3	High	R.Suhashini

Sprint 2	Access Control	USR-4	As a security officer, I can enforce role based access control policies across workflows.	3	High	S.Swetha
Sprint 3	Workflow Automation	USR-5	As an admin, I can create approval workflows for user and role requests.	3	Medium	K.Yogita
Sprint 3	Testing & Validation	USR-6	As a QA engineer, I can test all modules and verify workflow and permission integrity.	2	Medium	S.Vinitha
Sprint 4	Documentation	USR-7	As a project member, We prepare technical and user documentation for the system.	2	Low	All Members

Project Tracker, Velocity & Burndown Chart

Sprint	Total Story Points	Duration	Sprint start Date	Expected End date	Story Points completed	Actual End Date
Sprint-1	10	6 Days	5/10/25	11/10/25	10	11/10/25
Sprint-2	10	6 Days	12/10/25	18/10/25	10	17/10/25
Sprint-3	10	6 Days	18/10/25	24/10/25	10	24/10/25
Sprint-4	10	6 Days	24/10/25	30/10/25	10	30/10/25

Velocity Calculation

Average Velocity = (Total Story Points Completed) / (Total Duration in Days)
Total
= 40 Story Points / 24 Days

Velocity = 1.67 points/day

Burndown Chart

A burndown chart is a graphical representation of work left to do versus time. It helps visualize progress and identify whether the team is on track to complete sprint goals.

References

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>