

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

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| Date | 01 November 2025 |
| Team ID | NM2025TMID06932 |
| Project Title | Optimizing Users, Group and Role Management with Access control and Workflows |
| Maximum Mark | 5 Marks |

Product Backlog, Sprint Schedule, and Estimation : (4 Marks)

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|----------|-------------------------------|-------------------|--|--------------|----------|----------------|
| Sprint-1 | User and Role Creation | USN-1 | As an admin, I can create users and assign them specific roles and groups. | 2 | High | Asha Choudhary |
| Sprint-1 | Table Configuration | USN-2 | As an admin, I can create project and task tables with required fields. | 3 | High | Asha choudhary |
| Sprint-2 | Access Control Implementation | USN-3 | As a developer, I can define ACLs for project and task tables to secure access based on roles. | 4 | High | Sanjevi Sree |
| Sprint-2 | Role Assignment | USN-4 | As an admin, I can assign table-specific roles (u_task_table, u_project_table) to users. | 3 | High | Asha Choudhary |
| Sprint-3 | Workflow Automation | USN-5 | As a system admin, I can trigger a workflow when a task is created or updated. | 4 | High | Yogarani |
| Sprint-3 | Approval Flow Setup | USN-6 | As a project manager, I can receive and approve requests through Flow Designer. | 3 | High | Sanjevi Sree |
| Sprint-4 | Testing and Validation | USN-7 | As a tester, I can verify that workflows trigger correctly and approvals update task records. | 3 | Medium | Sopana Swetha |
| Sprint-4 | Documentation | USN-8 | As a developer, I can document the setup, ACLs, workflows, and user stories for submission. | 2 | Medium | Sanjevi Sree |

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 | 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 Calculation:

$$\text{Velocity} = \frac{\text{Total Duration (Days)}}{\text{Total Story Points Completed}}$$

Total: 39 points over 24 days → Velocity = 1.62 story points/day

Burndown Chart :

- The **Burndown Chart** tracks the remaining story points versus time to visualize progress.
- Each sprint shows a steady decline as user stories are completed — indicating efficient workflow automation and testing.
- At the end of Sprint-4, all critical features (ACL setup, Flow Designer workflow, and approval functionality) are fully implemented.

Reference:

- <https://developer.servicenow.com>
- <https://www.atlassian.com/agile/tutorials/burndown-charts>
- <https://www.visual-paradigm.com/scrum/what-is-agile-software-development/>