

## Product Planning Phase

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

|               |   |
|---------------|---|
| Date          | 01 NOV 2025   |
| Team ID       | NM2025TMID08553   |
| 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     | Varsha V S        |
| Sprint-1 | Group Management              | USN-2             | As an admin, I can create user groups for role-based permissions.            | 3            | High     | Priya Dharshini G |
| Sprint-2 | Role Management               | USN-3             | As an admin, I can create roles and assign them to users for access control. | 4            | High     | Shihani Ramesh A  |
| Sprint-2 | Application Access            | USN-4             | As an admin, I can assign table-level access to specific applications.       | 3            | Medium   | Rithikasri M      |
| Sprint-3 | Access Control List (ACL)     | USN-5             | As a system admin, I can configure ACLs to dynamically control access.       | 3            | High     | Varsha V S        |

|          |                         |       |  |   |        |             |
|----------|-------------------------|-------|--|---|--------|-------------|
| Sprint-3 | Workflow Automation     | USN-6 | As an admin, I can create a flow to assign operations tickets to groups automatically. | 3 | Medium | Varsha V S  |
| 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.