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

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID28914 |
| 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)**

**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 | N.Sudheer |
| Sprint-1 | Access Control | USN-2 | As a user, I can view and access only those tasks assigned to my role | 2 | High | K.Venkateswarlu |
| Sprint-1 | Task Assignment | USN-3 | As a Project Manager, I can create and assign tasks to users based on roles | 2 | High | K.Kusuma |
| Sprint-2 | Workflow Implementation | USN-4 | As a user, I can update the status of assigned tasks (e.g., In Progress, Done) | 2 | Medium | K.Sri Krishna |
| Sprint-2 | Notifications | USN-5 | As a user, I receive notifications when task status is updated or reassigned | 1 | Medium | N.Sudheer |
| Sprint-2 | Reporting & Tracking | USN-6 | As a Project Manager, I can view progress reports and team performance summaries | 2 | High | K.Venkateswarlu |
| Sprint-3 | Role Editing | USN-7 | As an admin, I can update user roles and permissions when required | 1 | Low | K.Kusuma |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| Sprint-3 | Audit Trail | USN-8 | As an admin, I can view a history of changes made to roles and tasks | 1 | Low | K.Sri Krishna |

**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 2022 | 05 July 2025 | 8 | 05 July 2025 |
| Sprint-2 | 6 | 5 Days | 31 Oct 2022 | 11 July 2025 | 6 | 11 July 2025 |
| Sprint-3 | 5 | 5 Days | 07 Nov 2022 | 17 July 2025 | 5 | 17 July 2025 |
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**Velocity:**
**Average of Sprint-1, Sprint-2, and Sprint-3 = (6 + 8 + 8) /3 = 7.33 story points per sprint**

**Velocity per Day:**
**Total Story Points Completed = 22**
**Total Sprint Days = 15**
**Velocity = 22 15 = 1.47 story points per day**

**Burndown Chart:**

**Here is the Burndown Chart for the Automated Car Catalog System project:**

**Ideal Burndown Line represents the planned linear progress across the sprint duration.**

**Actual Burndown Line shows the actual progress made by the team during the sprints.**