

## Project Planning Phase

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

Date	02 Nov 2025
Team ID	NM2025TMID04852
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	Jayasree
Sprint-1	Access Control	USN-2	As a user, I can view and access only those tasks assigned to my role	2	High	Jeba Sweety
Sprint-1	Task Assignment	USN-3	As a Project Manager, I can create and assign tasks to users based on roles	2	High	Joice Brijitha
Sprint-2	Workflow Implementation	USN-4	As a user, I can update the status of assigned tasks (e.g., In Progress, Done)	2	Medium	Liginsha vaz
Sprint-2	Notifications	USN-5	As a user, I receive notifications when task status is updated or reassigned	1	Medium	Devi
Sprint-2	Reporting & Tracking	USN-6	As a Project Manager, I can view progress reports and team performance summaries	2	High	Swetha
Sprint-3	Role Editing	USN-7	As an admin, I can update user roles and permissions when required	1	Low	Dhanuja

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

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
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

**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.**