

## Project Planning Phase

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

Team ID	NM2025TMID03292
Project Name	Optimizing User, Group, and Role Management with Access Control and Workflows

#### 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	Gayathri Devi G S
Sprint - 1	Access Control	USN-2	As a user, I can view and access only those tasks assigned to my role	2	High	Ghirijha V P
print-1	Task Assignment	USN-3	As a Project Manager, I can create and assign tasks to users based on roles	2	High	Golda T
Sprint - 2	Workflow Implementation	USN-4	As a user, I can update the status of assigned tasks (e.g., In Progress, Done)	2	Medium	Gowri Krishna S
Sprint - 2	Notifications	USN-5	As a user, I receive notifications when task status is updated or reassigned	1	Medium	Gayathri Devi G S
Sprint - 2	Reporting & Tracking	USN-6	As a Project Manager, I can view progress reports and team performance summaries	2	High	Golda T
Sprint - 3	Role Editing	USN-7	As an admin, I can update user roles and permissions when required	1	Low	Ghirijha V P

Sprint	Functional Requirement User Story (Epic) 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	Gowri Krishna S

**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

**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.**



