

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

Date	02 Nov 2025
Team ID	NM2025TMID03269
Project Name	Optimizing User, Group, and Role Management with Access Control and Workflows
Maximum Marks	5 Marks

**Product Backlog, Sprint Schedule, and Estimation (5 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/ Aishwarya P
Sprint 1	Access Control	USN-2	As a user, I can view and access only those tasks assigned to my role	2	High/ Ananthavalli M
Sprint 1	Task Assignment	USN-3	As a Project Manager, I can create and assign tasks to users based on roles	2	High/ Abisha Lakshmi M
Sprint 2	Workflow Implementation	USN-4	As a user, I can update the status of assigned tasks (e.g., In Progress, Done)	2	Medium/ Antolin Reshma A
Sprint 2	Notifications	USN-5	As a user, I receive notifications when task status is updated or reassigned	1	Medium/ Aishwarya P
Sprint 2	Reporting & Tracking	USN-6	As a Project Manager, I can view progress reports and team performance summaries	2	High/ Antolin Reshma A
Sprint 3	Role Editing	USN-7	As an admin, I can update user roles and permissions when required	1	Low/ Abisha Lakshmi M
Sprint 3	Audit Trail	USN-8	As an admin, I can view a history of changes made to roles and tasks	1	Low/ Ananthavalli M

**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	9	5 days	31 Oct 2022	11 July 2025	9	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.