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

Date	01 Nov 2025
Team ID	NM2025TMID05440
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	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
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-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

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.