**Project Planning Phase**

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

| **Date** | 31 june 2025 |
| --- | --- |
| **Team ID** | LTVIP2025TMID28960 |
| **Project Name** | Automated Car Catalog System For Enhanced Showroom Management |
| **Maximum Marks** | 5 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks):**

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Car Catalog Setup | USN-1 | As an admin, I can create a catalog of cars with fields like model, price, etc. | 3 | High | P.Deepika  T.Sai Mani Kumar |
| Sprint-1 | Customer Request Form | USN-2 | As a customer, I can request a car test drive using the online form. | 2 | High | P.Deepika  M.Preetham |
| Sprint-1 | Approval Workflow | USN-3 | As a manager, I can approve/reject car test drive requests. | 3 | High | P.Deepika |
| Sprint-2 | Email Notifications | USN-4 | As a user, I receive email confirmation after submitting a request. | 1 | Medium | M.Preetham |
| Sprint-2 | Inventory Management | USN-5 | As staff, I can view available cars and update stock after test drives. | 3 | High | P.Deepika  M.Preetham |
| Sprint-2 | Request History | USN-6 | As a user, I can view the history/status of my previous requests. | 2 | Medium | M.Preetham  P.Deepika |
| Sprint-3 | Role-Based Access Control | USN-7 | As admin, I can manage permissions for users, staff, and managers. | 3 | Medium | P.Deepika |
| Sprint-3 | Analytics Dashboard | USN-8 | Admin can track number of bookings, approvals, and available inventory. | 2 | Medium | P.Deepika  M.Preetham  T.Sai Mani Kumar |

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

| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed** | **Sprint Release Date (Actual)** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | 8 | 5 Days | 01 July 2025 | 05 July 2025 | 8 | 05 July 2025 |
| Sprint-2 | 6 | 5 Days | 07 July 2025 | 11 July 2025 | 6 | 11 July 2025 |
| Sprint-3 | 5 | 5 Days | 13 July 2025 | 17 July 2025 | 5 | 17 July 2025 |

**Velocity:**

Velocity is the average number of story points completed by the team in a sprint. It helps in forecasting how much work the team can commit to in upcoming sprints.

**Velocity per Sprint:**

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.

