**Project Design Phase**

**Problem – Solution Fit Template**

| **Date** | 31 june 2025 |
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| **Team ID** | LTVIP2025TMID28960 |
| **Project Name** | Automated Car Catalog System For Enhanced Showroom Management |
| **Maximum Marks** | 2 Marks |

**Problem – Solution Fit Template:**

The problem arises from traditional car showrooms relying heavily on manual catalogs, verbal communication, and disconnected systems, leading to inefficiencies, booking delays, and poor customer experience.

The solution is the Automated Car Catalog System, which provides a centralized, digital platform where users (customers and staff) can and View detailed car specifications:

Check real-time availability

Submit booking/test-drive requests

Upload documents

Get automated updates and notifications

This system reduces friction in the showroom workflow, enhances user satisfaction, and enables efficient, data-driven showroom operations.

✅ Purpose:

* Automate the car inquiry, booking, and allocation process in showrooms
* Eliminate delays caused by manual catalog handling and customer follow-ups
* Improve transparency and tracking of car availability, booking status, and delivery timelines
* Allow customers to browse car models, compare variants, and request test drives or bookings online
* Ensure standardized catalog updates across branches and reduce manual data entry by staff
* Minimize showroom staff overhead and streamline customer experience with self-service features

