

Project Design Phase
Proposed Solution Template

Date	10 February 2026
Team ID	LTVIP2026TMIDS88090
Project Name	AUTOSAGE APP USING GEMINI FLASH
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Vehicle buyers and owners in India often struggle to obtain accurate, structured, and reliable vehicle intelligence from scattered online sources. Comparing models, understanding technical specifications, evaluating ownership costs, and interpreting vehicle images require time and domain knowledge. This leads to confusion, poor buying decisions, and inefficient research.
2.	Idea / Solution description	AUTOSAGE APP USING GEMINI FLASH is an AI-powered vehicle intelligence system that provides structured automotive analysis using text queries, image inputs, or both. The application leverages Gemini Flash for multimodal analysis to generate professional-grade vehicle reports including specifications, efficiency analysis, pricing insights, ownership cost estimation, resale prediction, and buyer-fit recommendations tailored to the Indian automobile market.
3.	Novelty / Uniqueness	The solution integrates multimodal AI (text + image analysis) into a single structured automotive intelligence engine. Unlike generic search platforms, AutoSage produces standardized analytical reports with consistency checks across fuel type, performance, pricing, and efficiency. It combines market-aware reasoning with visual validation using Gemini Flash.
4.	Social Impact / Customer Satisfaction	The system improves decision-making transparency for vehicle buyers and owners. It reduces misinformation, enhances trust through structured reporting, and empowers users with professional-grade insights. It supports eco-conscious decisions by comparing ICE and EV efficiency metrics.

5.	Business Model (Revenue Model)	Freemium model: basic vehicle analysis is free. Premium subscription unlocks advanced comparison tools, detailed resale forecasting, ownership cost simulation, API access for dealerships, and enterprise dashboard access for automotive businesses. Potential revenue streams include affiliate partnerships and B2B analytics licensing.
6.	Scalability of the Solution	The application is cloud-deployable and built on scalable AI infrastructure (Gemini Flash API). It supports horizontal scaling through cloud hosting and modular architecture. The system can expand to include regional market analytics, multilingual support, dealership integration, and enterprise-level API services without architectural redesign.