Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	31 January 2026
Team ID	LTVIP2026TMIDS71395
Project Name	AutoSage App Using Gemini Flash
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through email and password Login using registered credentials
FR-2	Vehicle Image Upload	Upload vehicle image (jpg, jpeg, png) Validate uploaded image format
FR-3	AI Vehicle Analysis	Analyze vehicle image using Gemini Flash Generate structured vehicle details (brand, model, mileage, price)
FR-4	Display Results	Display vehicle analysis results clearly on dashboard Show structured output in readable format
FR-5	Web Deployment	Deploy application using Streamlit Access application via web browser

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should have a simple and user-friendly interface for easy image upload and result viewing.
NFR-2	Security	User login data and inputs must be securely handled and protected.
NFR-3	Reliability	The system should consistently generate vehicle details without frequent failures.
NFR-4	Performance	Vehicle analysis results should be generated within a few seconds after image upload.
NFR-5	Availability	The application should be accessible online whenever users access the deployed link.
NFR-6	Scalability	The system should handle multiple users and future feature expansion.