

Project Design Phase–II

Solution Requirements (Functional & Non-Functional)

Date	27 JUNE 2025
Team ID	NM2025TMID05656
Project Name	Garage Management System
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	Vehicle Registration	Register vehicle details. Enter owner name, contact number, vehicle model, registration number
FR–2	Service Booking	Book service appointments Admin or customer can schedule services
FR–3	Mechanic Assignment	Automatically assign available mechanic Assign based on specialization
FR–4	Service Status Update	Mechanic updates service progress . Status: Pending / In Progress / Completed

FR-5	Invoice Generation	Generate bill for services. Include spare parts, taxes, and total cost
------	--------------------	--

Non-Functional Requirements :

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

FR No	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be user-friendly for both admin and mechanics.
NFR-2	Security	Only authorized users (admins) can manage customer and vehicle data.
NFR-3	Reliability	The system should correctly update and store all service records without failure.
NFR-4	Performance	Service bookings and updates should process quickly without delay.
NFR-5	Availability	The system should be available anytime for customers and garage staff.
NFR-6	Scalability	The system should handle more customers, vehicles, and mechanics as the business grows.