

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

Date	03October 2022
Team ID	PNT2022TMID10940
Project Name	Machine Learning based Vehicle Performance Analyzer
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 Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Reset Password	Password reset by Gmail Password Reset through Mobile Number
FR-4	Feedback	The user can provide comments using a contact form on the website or via Gmail.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Based on the results, the analyzer enables the user to optimize performance. It is simple to use and only requires the necessary info.
NFR-2	Security	The use of a car alarm, wheel lock, vehicle lock, and GPS tracker increases security.
NFR-3	Reliability	The dependability rating is high owing to the best performance, low frequency of issue recurrence, and cheap repair cost.
NFR-4	Performance	The vehicle's quality and infrastructure have been improved to deliver greater performance such as good mileage, easy travel thanks to good suspension, and improved engine performance.
NFR-5	Availability	Researchers acquire the necessary data, which may then be utilized to deliver improved outcomes.
NFR-6	Scalability	Our project is more scalable since our model analyses all information and gives a more precise answer. We could attain optimum performance with little changes to the car.