

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

Date	15 October 2022
Team ID	PNT2022TMID06676
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	Collecting the details about the vehicle	Collecting Miles per gallon, number of cylinder, displacement, horsepower, weight, acceleration, model_year, car name
FR-2	Launch the website	launch the website in the browser and enter the collected values and click submit
FR-3	View the result	Then the user can able to view the performance score
FR-4	Taking decision	By the result user can take decision to give the service to the vehicle or not based on the performance score

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It is hard for the people does not know about the terms used for the car. It should be easy to understand the website
NFR-2	Security	User data is completely secure. It will not get stored in the server Https provides good encryption to the data
NFR-3	Reliability	The website is reliable. It has to be more accuracy
NFR-4	Performance	The page load time, and the ML model predicting time should be with in 5sec
NFR-5	Availability	The user can able to use the website 24hours
NFR-6	Scalability	Can be scalable up to 2,00,000 ML product request predicting at a second Can be scaled to used database to track the previous previous statistics