

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

Date	05 October 2022
Team ID	PNT2022TMID10949
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 any cloud interface. Registration through Gmail.
FR-2	User Confirmation	Confirmation via Email. Confirmation via OTP.
FR-3	Reset Password	Reset password through mail or phone number
FR-4	Enter DATA from onboard	Add file type or name of system Through a form to enter various details of vehicle
FR-5	User result	Result of the analysis should be displayed or mailed to the user.
FR-6	User Feedback	User should be able to reflect on the results and enter a suggestion or feedback with use of the application

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The Application allows the common consumer and professional workshop owners to understand the difference in performance and with respect to which aspect of the vehicle.
NFR-2	Security	The security is improved by using vehicle alarm, wheel lock, vehicle lock and also GPS tracker.
NFR-3	Reliability	As the model is trained with various data sets, rate of error is extremely low
NFR-4	Performance	The data required is collected by research persons and this data can be used to provide better results.
NFR-5	Availability	Can be made easily available as cloud application.
NFR-6	Scalability	Better scalability and easy to do so.

