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

Date	03 October 2022
Team ID	PNT2022TMID27379
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 user's credential is crypted and only used for analyzing purposes.
NFR-3	**Reliability**	As the model is trained with various data sets, rate of error is extremely low
NFR-4	**Performance**	Faster and efficient (cost wise) compared to picking apart the vehicle parts. Performance can also be limited of the type of vehicle data set is limited or the data is allowed to train for longer time.
NFR-5	**Availability**	Can be made easily available as cloud application.
NFR-6	**Scalability**	Better scalability and easy to do so.