

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

Date	03 October 2022
Team ID	PNT2022TMID14160
Project Name	Project - Car Resale value Prediction
Maximum Marks	4 Marks

Functional Requirements:

The suggested solution's functional requirements are listed below.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User entering Details	Enter Registration Number Enter the Specifications Details
FR-2	Data Visualization and Data Pre-processing	Performs visualization via matplotlib Performs visualization via seaborn Performs pre-processing via NumPy Performs pre-processing via pandas
FR-3	Implementing Machine Learning Algorithms	Implementing Regression algorithms
FR-4	Evaluate Prediction	Analyse the dataset's specifics using the built-in model.

Non-functional Requirements:

The non-functional prerequisites of the suggested remedy are listed below.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application is helpful in estimating the used car's worth with a high degree of accuracy.
NFR-2	Security	Only the user and the admin can view details to secure the details
NFR-3	Reliability	The forecast is accurate because of the better precision of the ML model.
NFR-4	Performance	Reduce the overall load time of prediction
NFR-5	Availability	The website is accessible to everyone, everywhere, and at any time.
NFR-6	Scalability	Managing workload