

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

Date	08 October 2022
Team ID	PNT2022TMID00170
Project Name	Project - Car Resale Value Prediction
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 Phone Number Registration through Email Registration through Google Account
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Profile	Personal Details Interest in buying or selling
FR-4	Information about the vehicle	Registration details Brand, Model Insurance and loan Price Condition
FR-5	Value Prediction	Analyse the brand, model, condition and estimate a value
FR-6	Make Recommendations	Make recommendations based on the needs of the customer (budget, model, fuel, manual/automatic)

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Predicts the car resale value of used cars. With a simple UI. Easy to navigate. Buyers and sellers pages will not be together.
NFR-2	<b>Security</b>	Data of the users are protected. Only legit users and admins can view the information the user wishes to publish.
NFR-3	<b>Reliability</b>	Reliability is defined as the probability that a product, system, or service will perform its intended function adequately for a specified period of time, or will operate in a defined environment without failure.

NFR-4	<b>Performance</b>	It is the amount of work accomplished by a computer system. The word performance in computer performance means “How well is the computer doing the work it is supposed to do?”. It basically depends on response time, throughput and execution time of a computer system.
NFR-5	<b>Availability</b>	Availability means the probability that a system is operational at a given time, i.e. the amount of time a device is actually operating as the percentage of total time it should be operating. High-availability systems may report availability in terms of minutes or hours of downtime per year.
NFR-6	<b>Scalability</b>	Scalability refers to the ability of an organization to perform well under an increased or expanding workload. A system that scales well will be able to maintain or increase its level of performance even as it is tested by larger and larger operational demands.