

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

Date	03 October 2022
Team ID	PNT2022TMID20190
Project Name	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 Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Gather user data	A set of labelled or unlabelled dataset which contains buyer/seller data in it
FR-4	User Profile	Personal details,Bank account,Pink slip, Person who is interested to buy a used car.
FR-5	Vehicle specification	The data elaborates the Functional features of cars which would be necessary to buy the used car. The constraints might be car model, mileage given, km driven, car interior and exterior and so on.
FR-6	Vehicle information	Collection of all vehicle classification through a website based on its class and model review given by car experts.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	User friendly ui integrated with prediction model and simple to approach.
NFR-2	<b>Security</b>	eradicate duplicate vehicle values and ignore scamming of reused values in different classes of vehicle.
NFR-3	<b>Reliability</b>	The prediction model must integrate with the website and provide system work without faults.
NFR-4	<b>Performance</b>	The model must neglect Dos and likewise it shows clear stress testing and allows more users to browse.
NFR-5	<b>Availability</b>	The service of the server must be stable and available 24/7 as possible and updates of the server are taken on a regular basis of intervals.
NFR-6	<b>Scalability</b>	This ML model is implemented in different websites and it should provide global expertise of service to provide cost effective search of resale value cars.