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

Date	03 October 2022
Team ID	PNT2022TMID04349
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 Form • Registration through Gmail • Registration through Instagram • Registration through Facebook
FR-2	User Confirmation	• Confirmation via Email • Confirmation via Message
FR-3	User Profile	• View account details • Change password
FR-4	Car details	• Adding the new car • Getting car details • View and update details
FR-5	Maintain database	• Store car details in car database • Store user details in user database
FR-6	Value prediction	• Predict the value of the resale car using the model and details entered • Display the predicted value
FR-7	Feedback	• Feedback through form

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	• User friendly UI • Clear instructions and sample examples will be provided • Easy process flow to predict value
NFR-2	**Security**	• User authentication while entering website • No information is shared with third party • User can see only his details
NFR-3	**Reliability**	• Data will be stored and replicated so that data loss can be avoided • Rate of occurrence of failure is very less
NFR-4	**Performance**	• Quick prediction results • Fast website loading • Efficient ML algorithm to provide accurate result with less time complexity
NFR-5	**Availability**	• Application can be accessed from both mobile and desktop • Single page failure does not affect the whole website • Uninterrupted user services
NFR-6	**Scalability**	• Able to handle large amount of data and traffic globally without failure • Database can be scaled according to the usage in a cost effective manner