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

Team ID	PNT2022TMID44603
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	**Manufacturing Year of Car**	Most Important is to check how old the car is. Remember - For Valuation Perspective its the Car Manufacturing year, and not Registration Year which matters. There can be a scenaro, like of registration year as 2016, as car registered in Jan 2016 but its 2015 Manufactured one - so for Valuation Perspective this car will come in category of 7 yr Old Car in 2022..
FR-2	**Physical Condition of Vehicle**	Check and Inspect Interiors, Exteriors, Dents, Paint Peel Off, Rusts. Check Door Panels for evenness, Check Bonnet and visually inspect for any damage to body
FR-3	**Drive-ability Condition**	Any Noise from Engine, Suspension, Underneath, Cornering, Speed Lag, Glitches in Drive-ability and car value erodes substantially..
FR-4	**Car Functions**	AC Effectiveness, Power Window Function, Central Lock, Steering, Lights, Indicators, Door Locks etc are Working or not.

FR-5	**Service History**	Is Car Service History Documented on time. Where is car serviced - Authorized Workshop, any recommendation for replacement of Parts
FR-6	**Vehicle Model in Production**	If vehicle Model is discontinued, then the Spare Parts are slight costlier. Even in case of Maruti or Hyundai - for Esteem or Accent - Spares are slight costlier than the existing similar range. Same for other Manufacturer Models too

Non-functional Requirements:

Following are the non-functional requirements of proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Security**	Users information in the web application areprotected by advanced secuirity system. Implementation of proper logging. Keep your application up to date. Authentication
NFR-2	**Usability**	An user friendly web application, dynamic and attractive user interface ,maintaning the records of users and easily satisfies the user needs.
NFR-3	**Reliability**	Fault less application. A piece of software operating without failure. The website's load time is not more than onesecond for users.
NFR-4	**Performance**	Fast and quick analyzation of car, is doneasa GPU used for the model is 10% more fast inanalyzing and uploading the user uploaded theimage. Occupation of less storage space.
NFR-5	**Availability**	Available in a google playstore, analy through camera
NFR-6	**Scalability**	It works in high speed authentication of people's information, quick response for queries from car experts , highly reliable,provide appropriate informations.