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

Date	17 October 2022
Team ID	PNT2022TMID50948PNT2022TMID40066
Project Name	Intelligent Vehicle Damage Assessment & Cost Estimator for Insurance Companies.
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
FR-2	**User Confirmation**	Confirmation via Email Confirmation via OTP
FR-3	**User details**	Users are required to register their details. like name, age, date of birth, driving license, car number, etc.
FR-4	**User requirements**	The user simply inputs vehicle damage images. The software will instantly generate an accurate reading based on the image detection analysis in a readable format familiar to the customer. It compares the information already given and states the defect percentage and cost in that vehicle damage image.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The website will be straightforward manner and easy to understand for the user. It should be more efficient for regular customers.
NFR-2	**Security**	•AI-powered vehicle damage assessment and cost estimator for the insurance companies should contain more security in which our data which entered or maintained should be more secure. •With the help of the username and password it provides more security in which it can access more securable and the data are private.

NFR-3	**Reliability**	This website must perform without failure in 90 percent of use cases during a month. It is more reliable.
NFR-4	**Performance**	• This website handles n number of users at a time and gives a quick response to a desktop browser. • The website performance is more effective and efficient.
NFR-5	**Availability**	The web dashboard must be available to users 99 percent of the time with LTE connections. Users can access it anytime from anywhere.
NFR-6	**Scalability**	The website must be scalable enough to support 10,000 visits simultaneously while maintaining optimal performance and efficiently retrieving images on a large scale, thus improving scalability.