

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

Date	14 October 2022
Team ID	PNT2022TMID01018
Project Name	Intelligent Vehicle Damage Assessment and 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 Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User details	Users are required to give details like Name, Date of Birth, Residential area, Driving License, Car registration number, Car Model, etc
FR-4	User requirements	The user uploads vehicle damage images. The software will instantly generate accurate claim amount in a reading format familiar to the customer.
FR-5	Interface	User friendly and simple website.
FR-6	Results	Models are trained with high accuracy and results are displayed to user with easy interpretability.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Users can easily understand what the application does and feel satisfied with the service.
NFR-2	<b>Security</b>	With the help of the username and password it provides more security in which it can access more securable and the data are private. The authenticity of the user and the confidentiality of car details of the owner should be maintained.
NFR-3	<b>Reliability</b>	The application should be able to achieve good accuracy in damaging assessment as well in cost estimation so that the users are provided with accurate and unbiased insurance amount.
NFR-4	<b>Performance</b>	The application supports more than 1000 users per hour and provides less response time in a desktop browser. The performance of this application is effective and efficient.

NFR-5	<b>Availability</b>	The application must be available to the users 24/7 i.e, any time even during business hours. Users can access this application anytime, anywhere and should be compatible in both mobiles and computers.
NFR-6	<b>Scalability</b>	The application must be scalable enough to support more than 10,000 visits at the same time while maintaining optimal performance and efficient to retrieve image in large scale thus improving scalability.