

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

Date	03October 2022
Team ID	PNT2022TMID25973
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 Interface	User friendly and simple website
FR-4	Collect the datasets	Collect the data from the user side and their vehicle side information. Collect the data from about Insurance companies plans.
FR-5	Final Results	Model should be trained with high accuracy. Results obtained from the model should be displayed to The 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>	Intelligent model used to assessment the damage in the vehicle and estimate the cost to be provided by the insurance company.
NFR-2	<b>Security</b>	The credibility of the user and the confidentiality of user details about their vehicle must be maintained.
NFR-3	<b>Reliability</b>	This scheme can achieve good accuracy in damage estimation and cost estimation, thus providing accurate and unbiased insurance coverage to the user.
NFR-4	<b>Performance</b>	Real-time images are to be captured and uploaded to the website, where the proposed model performs damage assessment and gives the insurance cost accordingly.
NFR-5	<b>Availability</b>	The website should be compatible with web browsers on both mobile phones and computers.
NFR-6	<b>Scalability</b>	The proposed solution will be scalable in the future due to efficient and rapid analysis and accurate cost estimation