

PROJECT DESIGN PHASE-II

SOLUTION REQUIREMENTS (FUNCTIONAL & NON-FUNCTIONAL)

Date	04 November 2022
Team ID	PNT2022TMID25741
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	<ul style="list-style-type: none">• Registration through Form• Registration through Gmail• Registration through LinkedIn
FR-2	User Confirmation	<ul style="list-style-type: none">• Confirmation via Email• Confirmation via OTP
FR-3	User Interface	<ul style="list-style-type: none">• User friendly and simple website

FR-4	Collect the datasets	<ul style="list-style-type: none"> Collect the data from the user side and their vehicle side information. Collect the data from about Insurance companies plans.
FR-5	Final Results	<ul style="list-style-type: none"> 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	Usability	<ul style="list-style-type: none"> Intelligent model used to assessment the damage in the vehicle and estimate the cost to be provided by the insurance company.

NFR-2	Security	<ul style="list-style-type: none"> • The credibility of the user and the confidentiality of user details about their vehicle must be maintained.
NFR-3	Reliability	<ul style="list-style-type: none"> • This scheme can achieve good accuracy in damage estimation and cost estimation, thus providing accurate and unbiased insurance coverage to the user.
NFR-4	Performance	<ul style="list-style-type: none"> • 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	Availability	<ul style="list-style-type: none"> • The website should be compatible with web browsers on both mobile phones and computers.
NFR-6	Scalability	<ul style="list-style-type: none"> • The proposed solution will be scalable in the future due to efficient and rapid analysis and accurate cost estimation

