PROJECT DESIGN PHASE-II SOLUTION REQUIREMENTS

Date	15 November 2022
Team ID	PNT2022TMID48764
Project Name	Intelligent Vehicle Damage Assessment and Cost Estimator for Insurance Companies
Maximum Marks	4 Marks

Functional Requirements:

- Following are the functional requirements of 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	**Usability**	•Intelligent model used to assessment the damage in the vehicle and estimate the cost to be provided by the insurance company.

NFR-2	**Security**	• The credibility of the user and the confidentiality of user details about their vehicle must be maintained.
NFR-3	**Reliability**	• 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**	• 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**	• The website should be compatible with web browsers on both mobile phones and computers.
NFR-6	**Scalability**	• The proposed solution will be scalable in the future due to efficient and rapid analysis and accurate cost estimation