

PROJECT DESIGN PHASE-II SOLUTION REQUIREMENTS

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| Date | 07 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 | <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 |

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| 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. |

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| 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 |