PROJECT DESIGN PHASE-II SOLUTION REQUIREMENTS (FUNCTIONAL & NON-

FUNCTIONAL)

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| Date | 27 OCT 2022 |
| Team ID | PNT2022TMID42048 |
| 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.

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| **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 |

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| 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.

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| **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. |

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| 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 |