**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

|  |  |
| --- | --- |
| Date | 03October 2022 |
| Team ID | PNT2022TMID36340 |
| 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 | **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 |