

## Project Design Phase-I

### Proposed Solution

|               |   |
|---------------|---|
| Team ID       | PNT2022TMID33370  |
| Project Name  | Intelligent vehicle damage assessment and cost estimator for insurance companies. |
| Team Leader   | Madhu D   |
| Team Members  | Krisnaprasath A, Pugalenth R,<br>Krishnan Naveen R                                |
| Maximum Marks | 2 Marks   |

### Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

| S.No. | Parameter   | Description   |
|-------|---|---|
| 1.    | <b>Problem Statement<br/>(Problem to be solved)</b> | Intelligent vehicle damage assessment and cost estimator for insurance companies.   |
| 2.    | <b>Idea / Solution description</b>                  | Automobile Industry is one of the major industry in a Country. This proposed system is Intelligent vehicle damage assessment and cost estimator for insurance companies using computer vision in artificial intelligence. The model will predict the location of the damage as in front, side or rear, and the severity of such a damage as in minor, moderate or severe and estimate the cost of damage of both car and bike.  |
| 3.    | <b>Novelty / Uniqueness</b>                         | Image analysis and damage detection using Artificial intelligence.  |
| 4.    | <b>Social Impact / Customer Satisfaction</b>        | The development of artificial intelligence continue to explore the innovation of insurance technology of 'AI + Vehicle Insurance'. On the one hand, the owner can take photos by one click to achieve rapid loss determination, price estimation and immediate compensation. On the other hand, it assists insurance companies to achieve rapid and accurate pricing in the process of fixing losses and claims. Finally, by combining the rapid compensation of accident vehicles to relieve traffic pressure, to avoid more serious personal and property losses caused by secondary accidents. |
| 5.    | <b>Business Model (Revenue Model)</b>               | <ul style="list-style-type: none"><li>• Can collaborate with insurance companies.</li><li>• Can collaborate with car companies.</li></ul>   |

|    |                                    |  |
|----|------------------------------------|--|
| 6. | <b>Scalability of the Solution</b> | <p><b>Computer Vision, Image detection and cost estimation of vehicle</b></p> <p>This combines the rapid compensation of accident vehicles to relieve traffic pressure, to avoid more serious personal property losses caused by secondary accidents and estimate the cost accurately.</p> |
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