**Project Design phase-I proposed solution template**

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| Date | 09 September 2022 |
| Team ID | PNT2022TMID39226 |
| Project Name | Machine Learning Based Vehicle Performance Analyzer |
| Maximum Marks | 2 Marks |

**Proposed Solution:**

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | The objective of this project is to predict the price of used cars using the various Machine Learning models by using User Interface (UI). |
| 2. | Idea / Solution description | To train the system with the dataset using a regression model and it will be integrated to the web-based application where the user is notified with the status. |
| 3. | Novelty / Uniqueness | By using the optimal regression model to predict the value in a less amount to time and predict its value. |
| 4. | Social Impact / Customer Satisfaction | The customer can get an idea about the resale value of their vehicle to predict the performance. By knowing the vehicle brand, fuel type, kilometeres driven . |
| 5. | Business Model (Revenue Model) | The web-based application has a friendly UI for the customer to enter their vehicles detail and the system predicts the value within few seconds. |
| 6. | Scalability of the Solution | Machine learning approaches, this project proposed a scalable framework for predicting values for different type of used cars. The solution given by the trained system is efficient and is nearly accurate  value of the vehicle. |