

Project Design Phase – I

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| Date | 24 September 2022 |
| Team ID | PNT2022TMID22329 |
| Project Name | Machine Learning Based Vehicle Performance Analyzer |
| Maximum Marks | 2 |

Proposed Solution

| S.No. | Parameter | Description |
|-------|---------------------------------------|---|
| 1. | Problem Statement | The user is an Automobile manufacturer which is looking for new technologies to analyse the performance of its vehicles. |
| 2. | Idea / Solution description | The variables that are measured across different parts of the car and its performance can be used to forecast the condition of the vehicle. This continual process of collecting, studying, analysing, and documenting vehicle's performance can be used to gain competitive advantage. |
| 3. | Novelty / Uniqueness | Giving the public and the manufacturer the feature to analyse their vehicle's performance. |
| 4. | Social Impact / Customer Satisfaction | The product improves vehicles performance, increases mileage, efficiency, lifetime, etc. These properties will have a positive response. |
| 5. | Business Model | Selling the product as an application and/or selling through collaboration with vehicle manufacturers. Product can also be sold to Racing companies for them to dominate in their field |
| 6. | Scalability of the Solution | The project will be scalable when the parts used to measure data in vehicles is feasible and the ML model is fast in processing data. |