**Project Design Phase-I**
**Proposed Solution Template**

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| Date | 31 September 2022 |
| Team ID | PNT2022TMID13270 |
| Project Name | Project –developing vehicle performance analyzer |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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

| S.No. | Parameter | Description |
|---|---|---|
| 1. | Problem Statement (Problem to be solved) | vehicle performance analysis, the automation in automobile by analyzing its performance first and help our customers take care of their vehicles. |
| 2. | Idea / Solution description | In the past years, several machine learning algorithms have been proposed to predict vehicle's performance. Most studies predict vehicle's performance using (i) binary classifiers (delayed/not delayedflight), (ii) multi-class classifiers (multiple delay classes), or (iii) regression (estimating the delay value). |
| 3. | Novelty / Uniqueness | In this project we use anaconda navigator , Scikit-learn ,NumPy, Pandas, flask ,Matplotlib. These makes project as more unique than other ways in vehicle performance prediction |
| 4. | Social Impact / Customer Satisfaction | This has a major impact on the drivers' experience and social welfare. Except from the direct impact on passengers, there are also impacts on roadways, in terms of fines and operational costs as well as the environment, in terms of increased fuelconsumption or emissions of an inefficient system. Accordingly, Improving the understanding and prediction of performance is in thebest interest of many stakeholders in air transportation, including navigation service providers and network managers, as well as passengers. |
| 5. | Business Model (Revenue Model) | The application of machine learning to business processes has led to higher levels of acceleration, growth, and adaptability than ever before. Revenue model should look to |

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| | | incorporate machine learning and to secure better market position and competitive differentiation. |
| 6. | Scalability of the Solution | Machine learning scalability is scaling ML models to handle massive data sets and perform many computations in a cost-effective and time-saving way of vehicle's performance prediction |