Project Design Phase-I Problem – Solution Fit Template

Date	13 October 2022
Team ID	PNT2022TMID02503
Project Name	Project - Machine Learning based Vehicle
	Performance analyzer
Maximum Marks	2 Marks

Problem – Solution Fit Template:

Problem Solution Fit Machine Learning Based Vehicle Performance Analyzer 6. Customer Limitations 5. Available Solutions 1. Customer Segment No availability of devices to measure the Manually analyzing the data in order to predict Vehicle Manufacturer. Automobile Wholesale Buyers. performance of the vehicle. a performance metric of a vehicle. Limited Budget. Approximate predictions of metrics which always had discrepancies. Trial and error method of analysis. Internet connection. Availability of a smart phone. Accurate measurements of vehicle's performance metrics. 2. Problems / Pains 9. Problem Root / Cause 7. Behaviour To analyze the performance of the vehicle in Analyse and find the right parameter which Customer need to develop a car which has low order to arrive at optimized mileage of that manufacturing cost, doesn't require frequent helps to increase the performance. particular vehicle. maintenance and consumes low fuel in order to Make changes to the existing model based on To improve System's fuel consumption. increase their product's market value the prediction. 8. Channels of Behaviour 3. Triggers to Act Seeing customer reviews. 0.Your Solution Analyse and find the right parameter which comparing the benefits gained across An application which takes the details of helps to increase the performance. different vehicle Models. the car's features as inputs, then analyses those input features to predict the performance and provides the results to the Customer. This helps the OFFLINE: Make changes to the existing model based on the prediction. ustomer to significantly increase the efficiency of 4. Emotions he vehicle. ♦ Frustrated -> Contentment. ♦ Squander Money -> Cost Effective.