

PROJECT DESIGN PHASE - 1

PROBLEM SOLUTION FIT

Date	21 September 2022
Team ID	PNT2022TMID52807
Project Name	Machine Learning Based Vehicle Performance Analyzer
Maximum Marks	2 Marks

Problem Solution Fit:

Define CS, fit into CC	1.CUSTOMER SEGMENT(S) Vehicle buyers are the primary customers of the application	5.AVAILABLE SOLUTIONS Manually analyzing the data in order to predict performance of vehicle, Trial and error method.	8 CHANNELS of BEHAVIOUR Online : Analyse and find the right parameter which helps to increase performance. Offline: Make changes to existing model based on prediction	Explore AS, differentiate AS
	2.JOBS-TO-BE-DONE/ PROBLEMS This application focuses on helping the people, buys the vehicle and who need a better recommendation of vehicle on performance, identifying the best one is the biggest problem here.	6. CUSTOMER CONSTRAINTS : No availability of devices to measure the performance of the vehicle, limited budget, internet connection.	9.PROBLEM ROOT CAUSE : Customer need to find the best car which has low manufacturing cost, doesn't require frequent maintenance.	
	3.TRIGGERS: Preventing buyers from getting cheated and facing huge loss in the quality of the vehicle 4. EMOTIONS: Before: Losing self-confidence, Distress After: Gaining self-confidence, Relief	7. BEHAVIOUR Directly: Simplifying the process of identifying the best vehicle based on performance and saves the time of customer Indirectly: Saving resources and immediate action for the performance identification	10.SOLUTION Application which takes the details of the car's features as inputs then analyse these input features to predict the performance.	