Project Design Phase - I Problem - Solution Fit

Date	1 October 2022
Team ID	PNT2022TMID12710
Project Name	Trip-Based Modelling of Fuel Consumption in Modern Fleet Vehicles

1. CUSTOMER SEGMENT(S) CS 6. CUSTOMER CONSTRAINTS CC 5. AVAILABLE	ESOLUTIONS AS Dization of the route and vehicle
 Heavy duty / Fleet vehicle owners and drivers Transportation Service providers and managers of such services Customers might already be using a different solution Customers' location might be remote 	It to provide decent fuel economy, butes can change dynamically and all drivers drive at the optimal speed cting the fuel expense for a trip is by looking at recent similar trips attrapolating and thus is not always
vehicles • Find the best fuel type for a particular vehicle • Various external and internal parameters to be taken into consideration like whether AC was ON vehicles diminishing resource • Competition could have acquired newer vehicles with inherently better fuel experiences • Advancements in heavy-duty electric vehicles can make gasoline-based vehicles • Advancements in heavy-duty electric vehicles can make gasoline-based	ustomer will try to find the best of fuel for their fleet vehicles will try to keep track of the asses of all the trips to predict the of future trips will try the various solutions able and find out the most opriate
• The competition provides much cheaper prices • The customers moving to the competition The customers moving to the competition account the customers moving to the competition account the customers moving the custom	customer visits various websites related to field. customer might also interact with other usiasts / experts via forums and blogs, etc.

4. EMOTIONS: BEFORE / AFTER

- Frustrated > Confident (That they can provide competitive prices, and predict expenses
- Suspicious > Relieved (That fraudulent activities will be prevented)

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- consideration such parameters with relative ease and predict fuel consumption with decent accuracy
- The solution will be provided as a web application and the results will be displayed in an intuitive and easy-to-understand manner

8.2 OFFLINE

- The customer can rely on word of mouth to find the best solution and the most effective fuel
 - They can also be influenced by advertisements
- They will approach other service providers and can ask for advice with their issue

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