Define CS, fit into CC

1.Customer Segments

CS

Vehicle performnace calculation based on engine hp ,torque,fuel consumption, speed.

6.Customer Constraints

CC

To analyse the relationship between driving behaviour and fuel economy of a car. Based on the acceleration, driving behaviour was classified as 'moderate','aggressive' and 'claim'.

5.Available Solutions

AS

The primary objective of the research was to develop a model using machine learning techniques which precisely predicts the fuel efficiency and to propose the optimum driving style and vehicle characteristics to achieve better fuel efficiency.

Explore AS, differentiate

2.Jobs To Be Done/Problems

Analyze the car horse power,cc,torque power to calculate and fuel consumption to predict the vehicle performance

9.Problem Root Cause

RC

With the predicted fuel efficiency explains that to achieve better fuel efficiency the throttle position must be around 70 to 80 on a scale of 100, referred to as full throttle position. The knowledge discovered from the research could be used by car manufacturers to design cars in future to mitigate the fuel consumption.

7.Behaviour

BE

Analyse the correlation between fuel efficiency of a car and its characteristics and driving behaviour. Propose the optimum throttle position and other characteristics that would help in achieving better fuel efficiency and thereby reduce fuel consumption and emissions.

Identify strong TR & EM

3. TRIGGERS

TR

- over fuel consumption
- design the gps location tracking
- over cc on the vehicle

4. EMOTIONS: BEFORE / AFTER

EM

They got fear and make loud and think how to retrieve them

10. YOUR SOLUTION

SL

There is more scope in future for research and analysis of fuel efficiency by including other factors likethe road condition and real-time traffic with the help of google maps, this would help in analysing much deeper. The knowledge discovered from the research and futurework can be used by the car manufacturing companies to improve the fuel economy by considering the characteristics that substantially influence the fuel efficiency.

8.CHANNELS of BEHAVIOUR

CH

8.1ONLINE

Fusion of on-board information and real-timeinformation from third party services.

8.2 offline

Identification of personal driving factors affecting the fuel use in certain situations.

Adaptation of the system's decision-making with respect to a driver's progress and responses to recommendations.

Identify strong TR & EM