

Problem Statement

Machine Learning Based Vehicle Performance Analyser

The user is an Automobile manufacturer which is looking for new technologies to dominate the extremely competitive automobile market.

Who does the problem affect?

The problem affects automobile companies struggling with improving their vehicle performance

What are the boundaries of the problem?

Automobile manufacturing & testing process; Automobile repair & service process; People who wish to know the performance of their vehicles.

What is the issue?

Requirement to analyse the vehicle fuel economy, integrated safety, drivability, durability, features, aerodynamic performance, etc.

When does the issue occur?

Increasing fuel prices forces vehicles to have higher fuel efficiency for becoming a market hit.

Automobiles require constant introduction of new features to survive in the rapidly expanding automobile industry.

People prefer maintenance of old vehicles than buying new vehicle, which require automobiles to provide better and easier maintenance of their vehicles.

People feel better when they are constantly updated on their vehicle performance, vehicle safety standards, etc.

Where is the issue occurring?

Automobile manufacturing companies, Automobile service stations, People, etc.

Why is it important that we fix the problem?

Vehicle performance analyser does not only benefit the automobile companies or the people using it. Improving vehicle performance by analysing the vehicle, leads to betterment of the vehicles in various aspects. For instance, improving fuel efficiency conserves fuel, reducing the emissions reduces the stress on the environment, etc.