



IDEATION

TEAM IDEA

The main goal is to predict the performance of the car in order to improve certain behavior of the vehicle. This can go a long way in improving the system's fuel economy and increasing efficiency.

TOPIC
Machine Learning based Vehicle Performance Analyzer

AFSAL S

Maintaining Your Engine
This is the least you can do.The engine oil keeps all moving parts well lubricated so that wear and tear is minimal. Also,it traps all the dust,dirt, and sediments, keeping them out of places they shouldn't be. Check oil levels every month and top up if the level is low. Oil grade and change intervals are subject to the manufactures recommendations.

The oil filter is equally important as it filters all the junk from the oil and stops regulation back into the engine. This will ensure that your engine runs smooth and cool. Even though we have come a long way in terms of efficiency of a car engine, a lot of energy is ,lost during combustion in the form of heat.

Gearing
A regular inspection helps you identify minor concers and identify the onset of any major issues. It enables you to resolve them on time, and in a way, and to a considerable extent, maintain operational efficiency. So, inspect the gearbox for oil leaks on the output and input shafts.

Besides, look for discoloration of the paint that perhaps signifies overheating. Furthermore, listen to the gearbox and inspect it for excess vibration. Overheating or sudden changes in the temperature may affect the performance of the gearbox. Hence, consistent and maintaining the necessary temperature levels plays a critical role in ensuring efficient gearbox operations.

HARIPRASATH M

Brake
Brake pedals can stop functioning properly due to regular depression of brakes, resulting in brake pads against the disc brakes. This process gradually slows down the vehicle and only works well after servicing is done.

As a car owner, anyone would like their car brakes to last long. To maintain your car brakes, you will need certain automotive suggestions to help your car drum brakes remain alive for a longer time. If the brake pedals persist in working properly after following the suggestions, you should consult boodmo seller.

Engine and Power
Petrol contains sediments that settle down at the bottom of the tank which the fuel pump can pull while running on low fuel for a longer duration and can cause a lot of tear. Thus it is advised to check you fuel level and keep re-filling your tank in order to save the repair cost.

The check engine light is a self-diagnosis which is put in place in order to protect your engine. Once the light is on that means that your car's engine needs some help which shouldn't be ignored and get the vehicle inspected by the local mechanic as soon as possible.

KRISHNAMOORTHY M

Taking Care of Your Electronics
The electronic system in your car could malfunction, causing it toact strangely. Due to the electronic system's poor performance, numerous issues have arisen. As a result, mechanical components frequently malfunction and you are unable to pinpoint the underlying source of the problem.

During the vehicle's routine maintenance, a qualified technician inspects it and makes any necessary repairsor replacements. Otherwise,it could have a domino effect and render the relatedcomponents defective. As a result, the car's general condition improves greatly.

Efficiency of Fuel
One of thefirst things you consider when purchasing a bike is the vehicle'smileage. You can customise yourbike by changing the gears and the engine's power, but you can't alter the gasoline tank's size.Keep this in mind while you fill upfor those road trips!

Making ensuring your car is safe to drive is one of the main reasons to have it serviced. Regular oil changes are essential, and the mechanics should also conduct a routine inspection to make sure there aren't any hidden problems that might manifest themselves while you're driving. continuing to drivea potentially hazardous vehicle if they find a problem that requires quick treatment.

KEVIN S

Tire Maintenance
You wouldn't believe it, but your tyre actually has a significant impact on how well your car performs. Your fuel economy might be significantly changed by selecting the incorrect setof tyres. you should do to ensure that your automobile runs as efficiently as possible is to have your tyres servicedin NSW.

Any seasoned driver can recognise the importance of car maintenance. They are aware that problems can be quicklyidentified and fixed, which can help youavoid spending a lot of money, time, and most importantly, stress! By having regular maintenance performed on your car, you may avoid using it up prematurely are all things that canand will gradually increase the cost of maintaining your car.

A vehicle with good maintenance will sell for more money than one without. Because the vehicle's parts, accessories, and general performance will be excellent. If you intend to sell the car, you must subject it to routine maintenance to get the greatest price.

The fact that having your automobile checked and maintained on a regular basis by maintenance experts will save you money overall is something that many individuals choose not to do because they believe doing so is a costly alternative. Your automobile will utilise fuel more efficiently after a service, providing you a higher return on your fuel investment.