

IDEATION

Created in partnership with



GROUP IDEA

Predicting performance
levels cars is an important
and interesting issue.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
efciency

Share template feedback

TOPIC Machine Learning based Vehicle Performance Analyzer

SIVA SHANKER P.S

Maintaining Your Engine
When it comes to vehicle
performance, your engine is the frst
thing you should examine. Poor
engine performance prevents you
from travelling very far. When your
engine isn't operating properly, you
also spend a lot more money on fuel.
Being stranded on the side of the
road because your engine broke
down is one of the worst things that
could happen.

We may have experienced frequent failure of warning lights, erratic operation of indicators, etc. when you use the vehicle for a long time without maintenance. This can be problematic while driving, especially on long drives. Imagine getting a low engine oil warning that can only be caused by an electrical fault. Warnings will make you panic and affect your enjoyment of the trip. Regular car service will save you from this.

Gearing

In simpler words, the gearing of a bike is how the engine's motor revolutions connect to wheel speed. On a motorcycle, changing the gearing can have a signifcant impact on performance and speed. On a motorcycle, the gearing will show you the power and speed as well as how the acceleration feels.

Regular service inspections
enable the mechanic to
identify any potential
problems that need to be fxed
before they become serious
and endanger driving safety.
To prevent potential vehicle
faults, it is recommended to
have your car tested and
serviced on a regular basis by
qualifed mechanics.

VISHAL V.S

Brake Performance
For maximum safety and
performance, your braking system
needs to be checked on a regular
basis. Every now and then, the fuid
that makes your break function
needs to be replaced. Without it,
your brakes may seize up, which
would have a serious impact on
how your automobile operates. You
might end up stranded on a
roadside. somewhere.

The effect of proper maintenance will be evident on the vehicle's appearance and performance. The buyer will check the vehicle with the help of an experienced technician before joining the shop. A properly maintained vehicle will have a better resale value than an unmaintained one. Because the components, accessories and overall performance of the vehicle will be great.

Engine and Power
It might seem obvious, but
the performance of your
bike improves with engine
power. It might not be as
crucial to pay attention to in
India's stop-and-go city
trafc, but for those lengthy
highway journeys, strong
bikes will fy like a charm.

It can be expensive to replace the spark plugs and cylinder head. If you frequently get maintenance, you can simply avoid these costs. Engine failure will occur if these parts are not repaired.

RITHICK J.V

It can be expensive to replace the spark plugs and cylinder head. If you frequently get maintenance, you can simply avoid these costs. Engine failure will occur if these parts are not repaired.

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

Another thing that might seem obvious, but is nonetheless very important to this list. One of the frst things you consider when purchasing a bike is the vehicle's mileage. You can customise your bike 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 fll up for 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. This involves inspecting your brakes, cabin and air flters, and tyre pressure. You will be happy you had your automobile serviced rather than continuing to drive a potentially hazardous vehicle if they fnd a problem that requires quick treatment.

WINFRITH W

You wouldn't believe it, but your tyre actually has a signifcant impact on how well your car performs. Your fuel economy might be signifcantly changed by selecting the incorrect set of tyres. Altering the tyre pressure has the same effect. Your tyre has a signifcant impact on safety as well.

One of the most crucial things you should do to ensure that your automobile runs as efciently as possible is to have your tyres serviced in NSW.

Any seasoned driver can recognise the importance of car maintenance. They are aware that problems can be quickly identifed and fxed, which can help you avoid 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 like so many other drivers. Running short on fuel, driving on tyres with little to no tread, and driving without coolant are all things that can and will gradually increase the cost of maintaining your car.

Both the appearance and performance of the car will show the impact of proper maintenance.

Before closing the purchase, the buyer will inspect the car with the aid of a qualifed technician. 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 efciently after a service, providing you a higher return on your fuel investment.