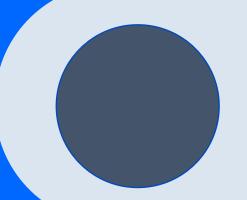
# Vehicle Management Ecosystem



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# Importance Of Our Topic

According to a study by the Centre for Science and Environment (CSE), an Indian car is parked for over 95% of the time and is driven for less than 5%. The survey was done over a year-long period. On average, a car spends 8,360 hours standing and is only driven for 400 hours in a year.

global study of parking in big cities across the world suggests that the average city driver spends an average of 18 to 20 minutes searching for a parking space, resulting in stress, wastage of fuel, increased emissions,

It has been estimated that the annual demand for additional parking spaces can be equivalent to as much as 471 football fields in Delhi, 100 in Chennai, 58 in Chandigarh, and 179 in Gurgaon. In contrast, buses account for 4-5% of parking but carry 20 times more passengers than cars.

# Importance Of Our Topic



Earn Rs. 500 by reporting wrong parking: Minister Nitin Gadkari



He said that the number of cars owned per family is rising with time and that even his cook now owns two second-hand vehicles.



Hindustan Times

NO! Traffic cops cannot remove keys from your vehicle during checking

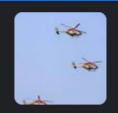


According to Indian Motor Vehicle Act 1932, only a traffic police personnel of the rank of an assistant sub inspector can fine you for...



The Economic Times

Aero India 2023: Bengaluru traffic police issues restrictions from February 13 to 17. Check full details h



Heavy vehicle movement restrictions, one-way systems and diversions have been temporarily introduced on several roads in Bengaluru from 6...

## **Required Components**

**Software Components** 





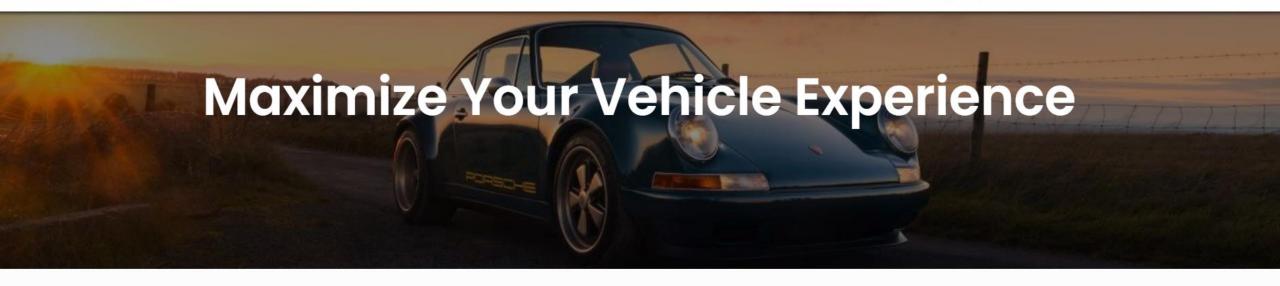


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### **Features**



















Laws

More Options

Modification Reselling Mo

Welcome to YoctoG, where we offer a range of beneficial features designed to enhance the vehicle experience for every vehicle owner. Our services include vehicle tracking and monitoring, which allows you to keep track of your vehicle's location and status at all times. We also provide a range of maintenance services, including regular servicing and repairs, to ensure your vehicle runs smoothly and efficiently. Additionally, we offer insurance and financing options to make owning a vehicle more affordable and hassle-free. With our user-friendly website and expert team of professionals, you can maximize your vehicle experience and enjoy the freedom and convenience that comes with owning a vehicle in India.

Services About Us

#### Motor Vehicle Legislation

#### Online Vehicle Services (Official)

- Vehicle Recall This is a safety measure taken by the government to recall vehicles that have a
- Vehicle Related Services This refers to various services related to vehicles, such as realistration, transfer
- Driving License Related Services This includes obtaining a driving license, renewing an existing license.
- Check Post Tax This is a tax levied on commercial vehicles at check posts along state borders. Fancy Number Booking – This service allows people to book unique, personalized license plate numbers

- Homologination This is the process of certifying that a vehicle or its parts comply with regulatory an
- National Permit Authorization This is a permit issued to commercial vehicles allowing them to operate

- SLD Maker This refers to companies that manufacture speed limiting devices ((LDs) for commercial
- VLTD Maker This refers to companies that manufacture vehicle location tracking devices (VLTDs) for
- commercial vehicles.

   PUCC This stands for Pollution Under Control Certificate, which is a certificate issued to whicles to ensure
- they meet emissions standards.

  Trade Certificate This is a certificate issued to dealers allowing them to sell vehicles.
- Vahan Green Sewa This is a platform that allows people to access various vehicle-related services online, such as registration and energy of documents.
   e-Challian This is an electrosic version of a traffic ficket issued for violating staffic rules.
- Vehicle Scrapping This refers to the process of decommissioning and diamonting old or unused vehicle

#### Forms Related to Vehicle Legislation



#### Licensing and Registration

Registration	Temporary Registration	Ť
	Use Service	
Licensing:	aumer ocense	

### Workshop



When it comes to repairing a vehicle, it is important to ensure that the job is done properly to avoid potential safety hazards and costly repairs down the line. The first step in repairing a vehicle is to identify the problem and determine the best course of action. This may involve a diagnostic test or inspection to identify the root cause of the issue. Once the problem has been identified, it is important to use high-quality replacement parts and tools to complete the repair. It is also important to follow manufacturer guidelines and recommended procedures to ensure that the repair is done correctly.

Regular maintenance and inspections can help prevent the need for extensive repairs, so it is important to stay up to date on recommended maintenance schedules and address any issues promptly to avoid potential safety hazards and costly repairs.YoctoG assists you by showing best workshops near your locality or city.

Find Service center near me

Find Workshops in locality/c



#### Watch Out for These 13 Common Car **Repair Scams**

Auto repairs are like a doctors diagnosis, a second opinion is something that should always be sought out, wisely notes Ray Shefska of Your Auto Advocate. Thats because if you don't know your way around under the hood, its incredibly easy to get taken for a ride. Sure, sometimes your car needs work and you might not have known there was a problem without your trusty and trustworthy mechanic. But sometimes, a simple trip to get an oil change or an annual inspection will result in a massive repair bill all for services your car doesn't actually need. Be aware of these common car-repair scams so that you are prepared the next time



#### 5 Things To Check At The Car Service **Center During Delivery**

Visiting our friendly car workshop is a routine that we all have to undertake every few months. And admit it. the smile on our face when we go to take the delivery of our shining four-wheel companion at the car service center says a lot. We love our cars and we love to have them serviced properly. But, do we care to check some crucial points before exiting the workshop? The next time you pay a visit to the car service center, remember to keep these important points in mind



#### Authorised service centre or the local mechanic? Know what's better for your car

Where would you get your car serviced? At an authorised service centre or from a local mechanic? Many car owners face this dilemma. One needs to consider several factors before deciding-quality and cost of service, genuineness of spare parts, personal rapport with the mechanic, etc. Both the authorised service centre and the independent workshop have their pros and cons. Read below to know what you should keep in mind while making this decision

#### **Dealership**



Delivery: After signing the contract, the customer will typically take delivery of the car. The declership will often provide a detailed explanation of the car's features and maintenance requirements, and may offer additional services like car





#### Ultimate List of Dealership Scams

Tableting of busing a cort Then you've probably like most consumers, offered one among deals, being agent all. Consumers in the lib. libe were all beliefe early lives to to shapeg claims, record within the early condition. One the library control of the library control of the library control of shaped control of the library control of the library control of the library library library library, that of our deletes used not be offered to comb and fifthing to the place out which most one really howest. by good is to expose the firsts used by the worst offenders so you can't not be becoming order victim.





#### Guide For Starting A Car Dealership

Starting a dealership requires careful planning and preparation. To begin, choose a niche and create a business plan that auffices your goals and financial projections. Secure financing, obtain necessary licenses and permits, find a prime location, hire inneledgeable staft, and market your dealership to build your brand and attract outstomers. With dedication and hard work, starting a dealership can be a fulfilling nd profitable venture. To know more about starting a car dealership, we have provided an ultimate guide form of a pdf that is accessible using following option



#### Online Car Buy/Sell

Card & i.e. in team corporary that operates in the used car movine/section, a chiefe or potential releasement and the section of the companion of the control of the contro







#### Online Two-Wheeler Buy/Sell

user-friendly platform for purchasing two-wheelers online. Our section offers a wide variety of options, from scooters to motorcycles, with different brands, models, and price ranges to suit your preferences and budget. We partner with reputable decleratips to ensure that all two-wheelers are in top condition, and we also provide financing options to help you secure your dream ride. With our simple and secure platform, you can browse, compare, and purchase your two-wheelers with ease, all from the comflot of your own





### **Expected Output**

• Using YoctoG, People will be educated on how they can manage their vehicles efficiently without encountering unnecessary problems and events

- Our Guide will also enable user to use beneficial features that will ease vehicle experience
  - Find Parking Places and Vehicle associated Institution near your place.
  - Integration of variety of concepts like Car buying, Car resale value, Fuel consumption .etc
  - Book parking spaces on our website that has opted our booking services.
  - Information like Laws related to parking, Car related news and much more.

 Our guide and proposed system are together connected and can be implemented in booking parking spots online and will enable 'Go and Park' principle that will eliminate the need to stop in queues to find parking.

## **Future Scope**

- Keeping in mind the future need of vehicle management, we will be implementing a platform for people to connect and chat on topics and things that will be focused on automobile
- People can then get solutions to problems via interacting with each other:
  - 1)Which is the best carwash near me
  - 2)Can somebody tell me if XYZ showroom has good service or not
  - 3)I want to get a ABC vehicle, can somebody tell me if it is a good decision or not.
- From the point of view of business, we will be implementing premium features like getting personalized solutions for YoctoG+ membership. It will also include a private space that will only allow discussion of members acquiring membership, which will allow people to interact with genuine audience.
- Moreover, we can partner with people acquiring mechanical skills, that will then guide our premium users to solve problems at their own place without the need of any technician provided they have required tools that are mostly available in any household

### Conclusion

- We saw about problems that are purely based on researches and articles we gathered.
- Then we looked upon the various components that we are using in our project and the working methodology behind our project.
- We also mentioned some outputs that we are expecting to perform.
- At last we discussed the future scope of our project.

### References

- Parivahan Seva : <a href="https://parivahan.gov.in/">https://parivahan.gov.in/</a>
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- Google
- ChatGPT

# Thank you

Group L1

