


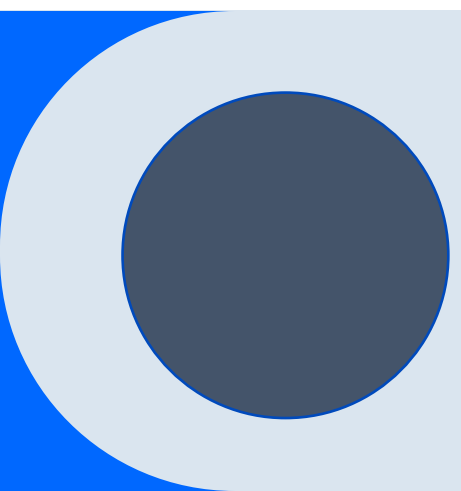


# Vehicle Management Ecosystem

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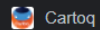
# Importance Of Our Topic

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,

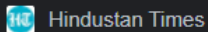
It has been estimated that the annual demand for additional parking spaces can be equivalent to as much as 471 football fields in Delhi, 100 in Chennai, 58 in Chandigarh, and 179 in Gurgaon. In contrast, buses account for 4-5% of parking but carry 20 times more passengers than cars.

# Importance Of Our Topic



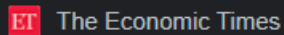
## Earn Rs. 500 by reporting wrong parking: Minister Nitin Gadkari

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.



## 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...



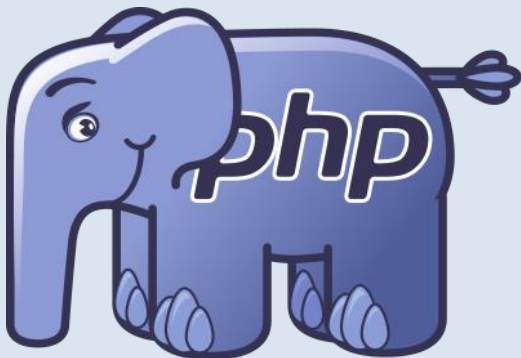
## Aero India 2023: Bengaluru traffic police issues restrictions from February 13 to 17. Check full details h

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



# Required Components

Software Components



# Maximize Your Vehicle Experience

## Features



Workshop



Vehicle Dept



Dealership



Modification



Reselling



Maintenance



Laws



News



More Options

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.





# 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 : <https://parivahan.gov.in/>
- Wikipedia : <https://www.wikipedia.org/>
- Business Insider : <https://www.businessinsider.in/>
- Parking Study:  
[https://www.civil.iitb.ac.in/tvm/1100\\_LnTse/535\\_InTse/plain/plain.html](https://www.civil.iitb.ac.in/tvm/1100_LnTse/535_InTse/plain/plain.html)
- Google
- ChatGPT



# Thank you

Group L1