

Automated real-time parking solutions for Indians

In India, the number of vehicles on the street is rising but the availability of parking space is reducing. This is leading to narrow streets and traffic congestion which is seen consistently. This is increasing parking demand but the supply to this demand is not available moreover there is a challenge if the pricing of parking is less there are more vehicles on the road but if the pricing is low there is economic loss in revenue and taxes. But all this can be solved by the solution we are proposing.

We are solving these problems by building an app for citizens and city administration that will help them reserve parking spots and save time. We are focusing on reducing pollution, and traffic congestion, and stopping illegal parking on roads. Our objective is to provide a real-time tech solution(tool) to predict, manage, and finance parking for city administrators and Improve compliance with traffic and parking regulations. Moreover, it will help drivers to find their parking spots efficiently. We are using advanced AI algorithms to provide dynamic pricing-based parking to solve the problem of pricing.

The solution is implemented with the help of computer vision, IoT (sensors), and some advanced AI algorithms. We are also including maps in the app to provide drivers a navigation to their reserved spot. This will help to reduce air and noise pollution or if the driver is already near a parking location he can directly pay (cashless or cash) and park his vehicle. Both drivers and city administrators/officials can use this app to check availability. This will be a sustainable source of revenue for city administration as they can predict future demand for parking and utilize their parking zone effectively. Our app will also ensure street safety features. For a profitable solution, we will collaborate with the private parking zone owners (based on a subscription model) to reach more users and customers. The uniqueness we are including is an implementation of automated payment and the ability to report illegal parking.

Our smart parking app is a viable and sustainable solution to the growing parking challenges facing Indian cities. We are confident that our app can make a significant impact on reducing traffic congestion, pollution, and illegal parking. With its innovative features and commitment to sustainability, our app is a key step towards building smarter and more livable Indian cities.

Our Solution is addressing challenges of Increasing number of vehicles on the street and reducing availability of parking space, Narrow streets and traffic congestion and Challenge of pricing parking effectively. The solution will be implemented with the help of computer vision, IoT (sensors), and some advanced AI algorithms. The app will also include maps to provide drivers a navigation to their reserved spot. The app will benefit both drivers and city administrators. Drivers will be able to find parking spots more easily and efficiently, while city administrators will be able to better manage their parking zones and generate revenue. The app will also include street safety features and the ability to report illegal parking. The solution is proposed to be profitable by collaborating with private parking zone owners on a subscription model. Overall, the proposed automated real-time parking solution is a viable and sustainable solution to the growing parking challenges facing Indian cities. It has the potential to make a significant impact on reducing traffic congestion, pollution, and illegal parking.