

# Car Parking Issue in Urban and Rural Areas

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**Abstract-** Car parking is a major problem in urban areas in both developed and developing countries. Following the rapid rise of car ownership, many cities suffer from a lack of parking spaces between the provision of parking spaces and the need that can be considered a primary cause of parking problems in major cities. This imbalance is due in part to ineffective land use planning and poor calculation of area requirements during the initial stages of planning.

Basically in this paper, we have given ideas to overcome vehicle-stay on problem by different ideas like if we can develop the app that notifies the owner of the car If any car stands along the roadside or on the road then we can send the alert to the car owner for removing the car from here by which the problem may solve.

**Keyword** –GPS, Using-Parivahan App for Owner info, smart parking e -challan,e-sarathi

## 1. INTRODUCTION

Today-days the number of cars in many cities is fast approaching taking into account the availability of parking spaces in public places. Today parking is a shocking problem for almost everyone on urban land.

It is expected that the number of cars in the world will increase significantly from 841 million cars in 2008 to over 1.6 billion cars in 2035 [2]. Today, there is a shortage of available car spaces seen in many public places such as stadiums, markets, hospitals, supermarkets and airports, which is why governments are like that looking to improve their existing transport systems as well infrastructure. However, a slow progression of city planning has exacerbated the issue [3]. Void find stopping is a typical issue in numerous advanced urban communities, particularly during busy times of different celebrations. This issue is most obvious in present day urban communities; people pass their vehicles, which prompts countless contending vehicles of a couple of empty parking areas and their security left vehicles. Furthermore, in parking garages, more often than not you are burning through your time searching for an empty parking garage and causes blockage.

The situation worsens if there are plenty of parking spaces across all parking lots. Other The problem with air contamination brought about by left vehicles, can be inside outside or indoor vehicle leaves. Moreover, the majority of individuals utilize their vehicles to travel [3], which leads more metropolitan clog which furthermore concedes the collaboration to notice deserted parking space drivers. A critical issue to consider is the method for reducing it such costs of information move and energy effectiveness as well as it gives continuous data rapidly - these issues require crisis arrangement. The idea of savvy vehicle leaving frameworks as of late drawn in more consideration in

numerous nations thus the requirement for a better approach to track down accessible leaving spaces. IoT provides the ability to deal with such challenges, as it can be designed to capture sensor data for monitoring interesting points in smart cities.

Through various papers we see one common aspect in all. That is to develop the parking area properly or developing smart parking slots by which people do not have to park their car in any public place excluding our own individual all places like rural areas because in rural areas parking slot will not be possible. In these types of places we can use smart parking and slot search with the help of IOT (Internet of Thing) but if we add one such feature in that we do it on the real road, this can help in removing the wrong stayed car, it would be even better, we are going to talk about the same thing if we add a feature to the app on which the message goes to the stand car owner and he removes the use of shape, even then ham This issue can be solved, now it should be the matter, then we just have to integrate the app with [sarathi.parivahan.gov.in](http://sarathi.parivahan.gov.in) [parivahan.gov.in](http://parivahan.gov.in)

Which on entering the number like the car, we will send this message to the car owner related to the car number if you think that is it may be possible

Yes, it is possible, now let me remind you about e-challan this concept works, policemen come and deduct your car challan from your car number itself. This is the work we use in parking.

## 2. OVERVIEW OF Saarathi.gov.in

**Saarathi.gov.in** - It is a portal issued by the Ministry of Road Transport and Highways, Government of India. Especially the work of new driving license application, renewal, status check etc. can be done online easily. Under this, the work related to providing driving license to the citizen of India and road transport was started. Users can also apply and download DL Apply, Driving School, Learner's License online with the help of Sarathi Portal.



### 3. PROPOSED APPROACH

I- This is first area starts by depicting the plan of a brilliant vehicle a leaving framework comprising of three fundamental parts: leaving a tangible part in the vehicle park or Road leaving, little controls and savvy vehicle parking areas. The subsequent part will be the cloud which addresses the arbiter between the vehicle leave and the client's cell phone application. The third part is the client side addressed by the android portable application. This program has the accompanying capacities that remember handling tangible information for the region, showing the accessibility of parking spot posts, and the capacity to guide the client to track down the area of parking areas. It empowers the driver to stay away from gridlocks however much as could reasonably be expected. Likewise, the framework furnishes the driver with the closest stopping point from the momentum client area. The discretionary driver include given by the framework is that if the driver just has any desire to show the closest free stopping regions from the driver then the program will show accessible with the expectation of complimentary stopping. The correspondence,

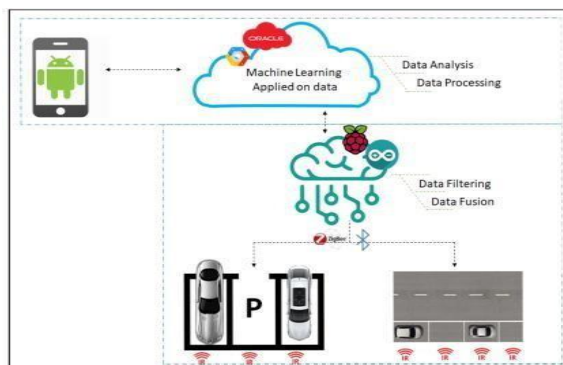
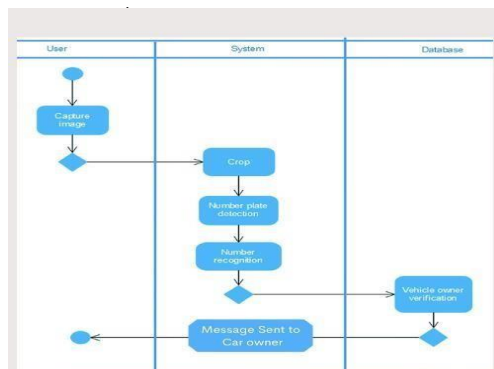


Figure. 1: Functionalities of Smart Car Parking System.

remote correspondence is utilized among sensors and little control gadgets in light of advancements like Bluetooth, as a minimal expense choice. Additionally, correspondence among clients and the cloud will accompany the HTTP convention. There are not many strides to oversee information on IoT, from assortment to examination and presentation of results. In this section, we go representing filtration methods and integration methods for the system. In addition, Figure 1 shows the structures as well system performance and details are described below.

II Second Approach define the working of Message Generation Approach on where we describe the process of Message generation through number plate.



### LITERATURE SURVEY

This project have been determined through information from "Motor Vehicle Act 1986", Journal from "International Vehicle Group", Data from "Health Ministry Government of India". SAARTHI portal of Transport Department under Government of India has given authentic and reliable sources to adhere the project. We have to overcome on this kind of staid situation with the help of Information Technology.

### 5. CONCLUSION

After analysing all aspect we have seen that the concept for Car Parking through digital mode is need of hours because in rush and posh areas Parking Problem has become overviewd some times offenders of traffic violation present themselves in denial mode. Through the Technological Data Bank it will be easy to keep record of civilian that how much he is responsible in maintaining traffic rules. A Journal published by International Vehicle Group shows that most accident cases are occurred in India and in these cases wrong traffic plays horrible roles.

Through this Technological Data our government will be able to know and distinguish the citizen who is dutiful towards his responsibilities and through this government also may give points.

Most Point gainer should be rewarded , it will be helpful to enhance the sense the safe and smooth traffic. A report from Ministry of Health has presented the grievances that 12% patients lost their lives just because of not reaching hospitals at right time due to rush traffic.

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