**SYSTEM ANALYSIS**

**EXISTING SYSTEM:**

* In metropolitan cities where the population is at its peak and the roads are all messed with vehicle’s and long traffics. In such over increasing demand for vehicle’s it becomes a difficult job to find a parking spot for our wheels. Due to this people are forced to haphazardly park their vehicle wherever they find space, which results in traffic offence like illegal, haphazard double or angular parking.
* In the existing system the parking management were all made in Manual mode, so it’s unable to make the process easy and smooth.
* The existing system of parking management does not consider the parking timing slots where they can give bigger confusions and not efficiently utilized the space.

**DISADVANTAGES OF EXISTING SYSTEM:**

* Manual Works.
* Everything is paper work.
* User cannot able to select the desired location, date or time.
* More manual hours are needed for checking the spaces available.
* It is tedious to manage historical data on which date and time the booking has been done

**PROPOSED SYSTEM:**

* The proposed project is an Online parking booking system that provides customers an easy way of reserving a parking space online. It overcomes the problem of finding a parking space in commercial areas that unnecessary consumes time. Hence this project offers a web based reservation system where users can view various parking areas and select the space to view whether space is available or not. If the booking space is available then he can book it for specific time slot. The booked space will be marked yellow and will not be available for anyone else for the specified time. Users can even make payment online.
* The project can be implemented in commercial areas for employee parking.
* It can be utilized by companies and organizations (hospitals, schools, colleges) to automate their parking system.
* The system can also be used in public places for public parking like in malls, station, and so on.

**ADVANTAGES OF PROPOSED SYSTEM:**

* Users can get learn about parking areas for particular locations.
* It saves user time in search of parking space available in such a long parking area.
* The system provides a graphical view of the parking spaces.
* User can pay online on the spot and confirm their space.
* It excludes the need of human efforts for managing parking spaces.
* Cost-effective.
* The proposed system provides better information for the users of this system easily they can see the available slots and book from anywhere without facing any difficulty.
* The proposed system does not require any physical presence during booking.
* The proposed system has good authentication so only authorized person can able to login and book it.