International Journal of Scientific Research & Engineering Trends
Volume 5, Issue 6, Nov-Dec-2019, ISSN (Online): 2395-566X

Online Parking Booking System

Nidhi Sharma Ruchita Bhoye Anuja Deokar Shrishti Nayak
Dept. Of Computer Science Engineering
Bharati Vidyapeeth College of Engineering, Kharghar
Navi Mumbai, India

***Abstract* - With the increasing number of vehicles, finding a parking space in most areas is difficult for drivers. The common method of finding a free space is manual. This method takes time and effort. Hence, this project offers an online reservation system where the users can view various parking areas and select the available space. If the booking space is available then he/she can book it for specific time slot. The booked space will be marked red and will not be available for anyone else for that specified time. This system provides an additional feature of cancelling the bookings. User can remove their booked space anytime. Online payment can be done. After making payment, user will get a notification on his/her phone with unique parking number.**

***Keywords*- Application (app), ios, Android.**

I. INTRODUCTION

Online vehicle parking booking system (VOPBS) that is designed to make it easier for people to book parking spaces online. Our online booking system to reserve parking spaces in the immediate parking, additional services and home purchase will increase your website by enabling customers to pay or go online. As they need, and to set the period of availability can add many types of vehicle seats as VOPBS administrator. It is designed to make it easier for people to book parking spaces online. Availability and prices can add up for a period of several vehicle types as vehicle parking space reservation system administrators as they need. In today's parking lots there is no standard system to check for parking spaces. Searching for a vacant parking space in a metropolitan area is the daily concern for most people and it is time consuming. The system slowly relies on human interaction with the physical space and entity. This leads to wastage of human power and also parking spaces at times. It commonly results more traffic load and air pollution in certain area only for an available parking space. Earlier, various techniques have been proposed to overcome such problems.

II. LITERATURE SURVEY

In this paper, we mainly focus on designing a new smart parking management system that assists users to find the authorized booked areas in the nearby areas by using the android application. In addition, an important aim of the system is to minimize the traffic searching for parking, hence reduce energy consumption and air pollution.

This paper mainly focuses on helping the user to find the nearby authorized parking space with ease.The application will also help the parking owner in organizing the load. This greatly facilitates the user as his parking slot will be confirmed and would not waste time in searching the slot for parking. This application will help the user to find the parking space when he/she visits the new area or the state. A user new to any city or state can use this app to safely park the vehicle. The app ensures the safety of the identity of the user by addressing user by username. As the parking slots are under government registration there is no possibility of fake parking area or false slot information. The necessary document photocopy is required for the owner to be submitted while registering. The nearest parking areas to the user are prompted for which MAPS are used. Amongst the suggested area the user gets the choice to select which enhances the usability of the app. Once the user reaches the parking area then he can park the vehicle in the confirmed slot. Once user renounces his slot then it appears reserved for other users and after leaving the slot it is shown as 'available' for other user.

REFERENCES

[1]. Andre Barroso, Jonathan Benson, Tina Murphy, UtzRoedig, Cormac Sreenan, John Barton, Stephen Bellis, Brendan Flynn, and Kieran Delaney, "The DSYS25 Sensor Platform," t Ireland,2004
[2]. ZigBee/IEEE 802.15.Four Summary, "SinemColeriErgen,"tech. Rep., EECS Berkely, September 2004.Ech. Rep., University College, Cork, Ireland and National Microelectronic Research.

© 2019 IJSRET

[3]. Itziar Marin, Eduardo Arceredillo, AitzolZuloaga, and Jagoba Arias, "Remote Sensor Networks: A Survey on Ultra-Low Power-Aware Design," tech.

© 2019 IJSRET