IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
Volume 2, Issue 6, June 2022
Impact Factor: 6.252

Smart Parking Management System

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Abstract: *Now days parking are the critical issues in smart city. Due to parking problem traffic problems are increased, the proposed smart parking system implemented using the Android Application that's provides to user an easy way of booking the parking slots through an application. Given system avoid the problem of traffic conjunction in commercial areas that unnecessarily consumes time, this paper provides the easy reservation system for parking. In this application the user can view various parking slots and check for the availability of slots. Whenever a user books a particular slot it will be marked red and all the available slots will be green. Booking can be done through credit card/net banking. This application also provides an additional feature of canceling the booked slot within 20 minutes from the time of booking. If the user fails to reach the destination on time then the reservation will be cancel and the payment is refunded. On successful payment a parking number is sent to user's email or to his mobile number for further enquiry. Hence this application reduces the user's effort and time of searching the parking slot and also avoids conjunction of traffic using the internet of things.*

Keywords: Parking Management

REFERENCES

[1]. Robin Grodi, Danda B. Rawat, Fernando Rios-Gutierrez: Smart parking-parking occupancy monitoring and visualization system for smart cities.
[2]. Abhirup Khanna, Rishi Anand: IoT based smart parking system.2016 International conference on Internet of Thingsand application(IOTA).
[3]. DharminiKanteti, D V S Srikar and T K Ramesh: smartparking system for commercial stretch in cities.
[4]. Georgios Tsaramirsis, IoannisKaramitsos, CharalamposApostolotpoulos: smart parking-an IoTapplication for smart cities.
[5]. Rosario Salpietro, Luca Bedogni, Marco Di Felice, LucianoBononi: Park here! A smart parking based on smart phones' embedded sensors and short range communication