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## **Online Parking Booking System**

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Abstract: The world is aware of the current scenario the population is increasing day by day hence number of vehicles are also increasing. Thus, everyone is facing the problem of parking, as there are less options available for legitimate parking. This problem leads to congestion, accidents, lack of space availability etc. Annual survey which is carried out has figured out that there is consistent growth in the ratio of traffic jam and accidents. Illegal parking plays a vital role in increasing the chances of traffic jams for hours. Due to increase in the number of vehicles, Moreover it is much more time consuming as well. In this world of fast growing technologies, we should be able to save our time for the thing which is essential rather than searching space to park our vehicle. A car user must be able to book car before starting the journey and heading to the destination. The main objective online parking booking system developing such applications is to overcome such problems. An application will be developed according to the user point of view and could be able to book their parking space.

Keywords: Legitimate parking, congestion, accidents, lack of space availability

## REFERENCES

- [1]. Z PALA and N INAN (n.d), Smart Parking by Using RFID Technology, Department of Electrical and Electronics Engineering Yuzuncu Yil University, Turkey.
- [2]. JB Slemmer, (2010), Parking Reservation System and Related Methods, US Patent No. 7, 783, 530 B2, Washington DC, U.S. Patent and Trademark Office.
- [3]. H Wang and W Hei (n.d), A Reservation- Based Smart Parking System, The 1st International Workshop on Cyber- Physical Networking System.
- [4]. MT Tsai and CP Chu (2011), Evaluating Parking Policy in Urban Areas: An Environmental Perspective, Journal of Transportation Research Part D, 145-148.
- [5]. N Hanif, MH Badiozaman, H Daud (2010), Smart Parking Reservation System Using Short Message Service (SMS), Intelligent and Advance Systems (ICIAS) 2010 International Conference.
- [6]. M. Sugar, A Rice, P Stevenson (2002), Parking Management System, US Patent No. 0029164 A1, Washington DC, U.S. Patent and Trademark Office.
- [7]. S Kessler, (2011, April 11), How Smarter Parking Technology Will Reduce Traffic Congestion, Retrieved June 18, 2012 from http://mashable.com/2011/04/13/smart-parking-tech/.
- [8]. J Coan (2011, April 13), Smart Parking Solutions to Reduce Congestion and Oil Use, Retrieved June 18, 2012 from http://theenergycollective.com/jamescoan/82209/smart-parking-solutions-reduce-congestion-and-oil-use.
- [9]. C Moye (December 28, 2002), Parking Hell, Retrieved June 20, 2012 from http://www.telegraph.co.uk/motoring/2719621/Parking-hell.html.
- [10]. 21.25 Million Vehicles on Malaysian Roads, Retrieved June 16, 2012 from http://www.motortrader.com.my /news/21-25-million-vehicles-on-malaysian-roads/

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