A Canny Parking System Based on Internet of Things Technologies

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Abstract : To develop an enhanced smart-parking system using Internet of Things technology. This enhanced system increases the efficiency of the current parking system and develops a network architecture based on the Internet-of-Things technology. The proposed system helps users automatically find a free parking space at the least cost based on new performance metrics to calculate the user parking cost by considering the distance and the total number of free places in each car park. This cost will be used to offer a solution of finding an available parking space upon a request by the user and a solution of suggesting a new car park area if the current car park area is full.

Keywords : Smart Parking, Wireless Sensor Network, Reservation, Resource Allocation, parking guidance and information.