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DESIGN OF DAMAGE NOTIFICATION AND GUIDANCE OF CAR PARKING BY IPS

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ABSTRACT:

The present method includes an innovative technique system of the intelligent parking by its couple of functions is a major concern. Notification of the car damage and the guidance of the car parking are integrated in the above system. It is one of the automatic and the advanced driving system for the proper guidance of the car and the assistance at the time of parking. It has major functions where it can overcome the damages at the time of parking and gives notification regarding the suitable spot in the reduced time. So this helps a lot to catch the accused by the help of the proper communication of the advanced technique whenever there is damage for the car. Here the complete control of the system related to the car takes place by the module of the IPS. Here the system approach of the IPS is with an well definite methodology that is designed with a proper algorithm in which it includes the strategy of the car system algorithm followed by the system oriented notification of the damages related to the vehicles plays a crucial role respectively. At the time of the parking the design of the above algorithm sends the data in the form of the signal of sound and the various approaches by the buzzer. It provides the complete image that is the true picture of the system in the well planned fashion where it includes in the system oriented display by the wheel indication respectively. Experiments have been conducted on the present method where there is a lot of analysis takes place in the system and a test bed is conducted on the proposed method in order to evaluate the performance in a more accurate fashion whenever the driver is away from the car respectively.

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Keywords: Car system control, System of information parking, Planning path, System on board based computer, Notification of the system, Notification of damage respectively.

1. INTRODUCTION:

Nowadays there is a huge problem with respect to the traffic jam and many of the drivers are facing problems with this and are due to the several reasons includes jam, narrow lane, poor skills and even trouble with the vehicles respectively [1]. So in order to overcome the above problem there are many modules to control these problems in this advanced environment and each and every module is having one of the other problem in one or the other ways. So there is a huge research takes place in this particular sector for the proper implementation of the car system and improve the performance. Here due to the minor problems there is a huge problem for the vehicles which is composed of the heavy costs respectively [2][3]. Problems include the scratches and the damages which distorts the complete look of the vehicle. And even in some it is not possible to overcome those problems manually and complete monitoring of the vehicle. So it is necessary that there is a requirement of the proper design of the system whenever there is any threat for the system there should be an indication to the driver by the help of the designed module [8].

BLOCK DIAGRAM

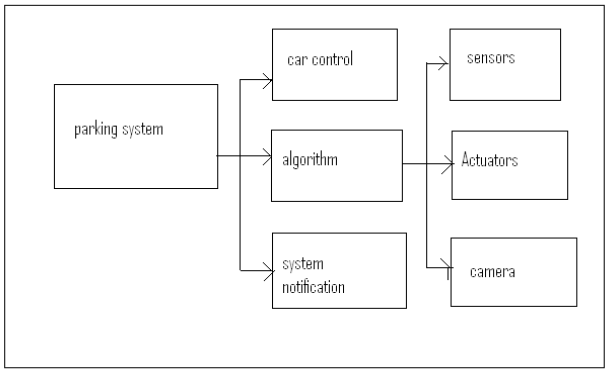

Fig 1: Shows the block diagram of the parking oriented intelligent system

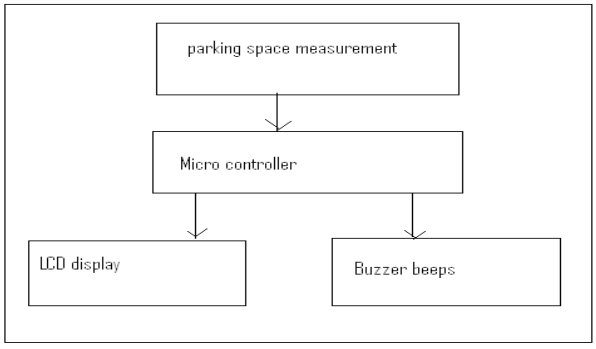

Fig 2: Shows the block diagram of the car system algorithm

2. METHODOLOGY

In this paper a new technique is proposed by the help of the system related to the intelligent parking which is shown in the above figure in the form of the block diagram that too in the summarized fashion [4][7]. The above diagram completely explains the inbuilt system schematic representation and the integration of the IPS module and its design strategy followed by the mechanism of the utilization by the system based control in an algorithmic approach respectively. Here the design of the system includes the automatic approach which is directly related to the driver in the form of the transfer of the notifications whenever there is a problem to the vehicles and its surroundings [5][6][9].

3. EXPECTED RESULTS

There is a lot of analysis takes place in the system in terms of the design followed by the control and mechanism of the module related to the IPS respectively. Here the present designed method is effective and efficient in terms of the performance and the it completely overcome the drawbacks of the several previous methods in a well oriented fashion respectively. The main aim of the mechanism of the present method includes the monitoring and detection of the faults occurred to the vehicles due to the lack of the problems then this module gives the notification to the vehicles driver regarding the problem and its occurrences.

4. CONCLUSION

In this paper an advanced technique is used for the proper implementation of the system in a well effective manner in order to reduce the risk of the driver and improve the skills of the driver in terms of the driving performance and target the attention of the driver in a well oriented way so that there is no problem for the vehicles in the form of threats. Here in the present method there is a design of the automated system which includes the notification of the damages followed by the aiding device of the parking respectively. Here the mechanism includes the control, notification of the damages is completely integrated in the module of the IPS. Here the system completely utilizes its sensors which of the phenomena of the ultrasonic in nature by which it gives the complete clear picture of the parking structure in the form of images by the capturing device and this information is cascaded to the module for the further process by the design of the implemented

algorithm for suggesting the vehicles directions and its measures respectively. Here major concern of the proposed technique is to give the proper notifications of the vehicles whenever the damages are occurred from the incidents. This images are captured by the help of the image capturing sensors which are place in the front and the back side of the vehicle whenever it is detected something it completely captured the data and sends to the system for the further process. Here we finally conclude that the present implemented method is very much accurate and plays a crucial role for the control of the accidents in the rare worst cases or situation.

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