

Ignition Switch Based Automatic Parking Brake System for Vehicle

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Abstract: *In this world of mechatronics and automation, various systems have been developed just to reduce the time and human error. The automated braking system is a part of mechatronics. Presently the vehicle has alarm system for maintaining the safe distance between moving vehicle. When the vehicle gets too close to the object, the alarm is triggered this warns the driver about an object. But this feature has many problems and is prone to human error. We have brought the facility by using the same sensor system but with the automated breaking system which restricts the backward motion of the vehicle. Our aim is to design the system which can avoid the accident in reversing the heavy loaded vehicles like trucks, buses and all the vehicles consisting of pneumatic braking system. For this purpose we have developed a model which automatic braking for four wheeler when lock the ignition switch and releasing when on the ignition switch.*

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