

Design and Development of Speed Breaker Detection and Automatic Speed Control System in 4-Wheeler

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Abstract: This paper is related to design and development of speed breaker detection and automatic speed control system in Wheeler. India has a large network of road throughout the country. India faces the highest number of accidents and accidental fatalities in the world. To prevent the accidents caused due to over speeding of vehicles, speed breakers are used. But, the accidents are caused due to both presence and absence of speed breakers. The traffic related accidents can have dire consequences. Traffic safety solutions of today forces heavy vehicles to slow down more than necessary. Smart Speed Breaker is a traffic safety system where speeding vehicles activate the speed breaker and raises the speed bumps above the road surface and giving the physical remainder to driver to slow down the vehicle. If the speed of the on-going vehicles is within the permissible limit then the speed bumps stay flat on road surface and vehicles passes over it comfortably. It's modern way to keep control on speeding vehicles only and un-affect the legal speed vehicles. Further modification can be also done for emergency vehicles accessibility.

Keywords: Speed Breaker Detection, Automatic Speed Control, Accident, Traffic