Abstract

Nowadays many accidents are occurring because of the to negligence of road-signs while most driving of the vehicles. There are various zones specified for an area where the rules must be followed. The advancement in the processor technology and microcontrollers has come up with a new style so as to avoid such accidents in seeing traffic sign boards along the road. So to tell the driver about the safety zones and to automatically maintain the speed is accomplished by use of RF technology. The main objective of this project is to devise an Electronic Display controller meant for controlling vehicle speed and monitors the zones, and which can also display the speed to the rf reader with the help of unit attached in the car. This system can be adopted to abate the accidents caused due to speeding. This paper presents a new way to control the speed of the vehicles at remote places for particular time. The project has two parts:
Zone status transmitter unit and Electronic Display and Control unit. The road-sign signal is received from the RF-transmitter on the sign boards in the zone, the vehicle’s Electronic Display Controller Unit informs the driver to reduce the speed according to the zone, further it waits for driver to reduce speed and in case of no response by the driver, reduces the speed of vehicle automatically.

General terms

Road safety, Speed control mechanism, speed detection.

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Index Terms

Computer Science  Automated Systems

Keywords

Automobile, RF, embedded system.