Visveswaraiah Technological University

Belgaum

A
Project report
on

"RF CONTROLLED ACCIDENT AVOIDER & ELECTRONIC SPEED BREAKER"

Submitted in partial fulfillment of the requirements for the B.E. 8th semester I.T.

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ABSTRACT

Everyone enjoys going on rides, therefore it is important to have a **safe ride**. At blind curves and hair pin bends where line of sight is not possible, the rides become unsafe and susceptible to accidents. Also, during long journeys the driver becomes sleepy, which also leads to accidents.

The project presented here concentrates specifically to avoid accidents by reducing the vehicle speed. This project can be visualised as an electronic speed breaker, because it uses RF transmitter placed on either side of the roads and RF receiver and a microcontroller driven fuel system placed in the vehicles, to perform the job mentioned above.

The present work makes use of buzzer arrangement that blows whenever the driver tends to go to sleep. It senses the tilting of the drivers head and keeps him alert by buzzing the alarm.

The project also employs an indication circuit that indicates about the approach of vehicles in opposite direction. This helps the drivers of both approaching vehicles where line of sight is not possible.