

EMBEDDED CONTROLLER FOR SAFETY IN AUTOMOBILES

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ABSTRACT

This paper proposes a real time accident prevention system by using sensor technology. The objective is to detect the driver's fatigue and drunk driving by alarming if the same pattern repeats and to control the speed near the school zone using RF module. Several patterns are identified which are linked to irresponsible driving. These detection systems can help in the prevention of deadly and costly accidents. The system may benefit from standard vehicle sensors like cameras or GPS (Global Positioning System) systems as well as non standard devices like RFID (Radio Frequency Identification) readers.

KEYWORDS: Eye Blink, Tilt, Alcoholic, Speed Control