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(57) Abstract :
[048] The proposed invention presents a comprehensive solution to enhance automotive safety by integrating advanced sensor technologies into a multifunctional alert system. The Design and Fabrication of Eye Blink Sensor Based Automatic Braking and Alarm System with Seat Vibration combines the capabilities of an eye blink sensor, automatic braking system, audible alarms, and seat vibration mechanism to detect and mitigate the risks associated with driver fatigue and distraction. The system continuously monitors the driver's blink patterns in real-time and activates automatic braking in response to signs of drowsiness or distraction. Additionally, audible alarms and seat vibrations provide supplementary alerts to ensure driver attentiveness. This invention offers a proactive approach to accident prevention, significantly reducing the likelihood of collisions and enhancing overall road safety.
Accompanied Drawing [FIGS. 1-2]

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