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Development of Automatic Speed Control and Accident Avoidance System

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Abstract: *The development of an automatic speed control and accident avoidance system is a crucial aspect of modern vehicle safety technology. This system aims to utilize advanced sensors and computing technology to monitor the vehicle's surroundings and automatically adjust the speed to maintain a safe distance from other vehicles, as well as to avoid potential collisions.In this paper, we will delve into the design and implementation of the automatic speed control and accident avoidance system, discussing the various sensors and algorithms involved. Additionally, we will explore the potential impact of this technology on reducing the number of accidents and improving overall road safety.The ultimate goal of this research is to contribute to the advancement of automotive safety technology and provide insights into the potential benefits of integrating automatic speed control and accident avoidance systems into vehicles*

Keywords: Automatic Speed Control, Advanced Sensors, Vehicle Safety Technology, Algorithms