

Research and design of a personal alcohol concentration monitoring and warning device.

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Abstract: In the context of widespread alcohol consumption in Vietnam, designing a personal alcohol concentration monitoring and warning device plays an important role in enhancing traffic safety. This project aims to build an accurate and easy-to-use measurement system to detect drunk driving conditions. The development and research of a drunk driving monitoring and alarm device aims to ensure traffic safety by accurately measuring the driver's alcohol concentration. This study combines theoretical analysis and experimental verification methods to design and implement a portable, reliable, and easy-to-use alcohol concentration detection device, and to construct a corresponding alarm system to improve public safety levels.

Keywords: Drunk driving, monitoring alarm device, alcohol concentration, safe driving, traffic safety