

Design of a blood oxygen concentration and heart rate measurement system displaying data on phone and web server

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Abstract: In the context of increasing interest in smart health monitoring, this topic focuses on designing a system for measuring blood oxygen levels and heart rate. The goal is to build a comprehensive solution that provides accurate data directly on mobile phones and web servers to support doctors in remote patient monitoring. The research method involves integrating advanced medical sensors with a web-based software platform, while ensuring the safety and security of personal information. The expected outcome is to provide a useful tool in health management, contributing to improving the quality of patient care.

Keywords: Measurement system, Plasma oxygen, Heartbeat, Mobile phone, Web server