

Design of a health parameter monitoring and alert device for the elderly

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Abstract: In the context of an increasingly aging population requiring special care, this topic focuses on designing an automatic measurement and warning system to monitor the key health parameters of the elderly. The main objective is to improve the quality of life and protect the health of the target group through remote monitoring and providing timely alerts when necessary. The research method applies a combination of information technology theory with experimentation based on sensor applications and IoT networks to build an effective system. The expected result is a versatile, easy-to-use, and scalable solution that provides comprehensive support for the elderly.

Keywords: Health parameter measurement device, automatic alert, elderly, IoT, sensor