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(57) Abstract :

The invention relates to an IoT-based platform for remote elderly healthcare monitoring, comprising wearable sensors (101), an IoT hub (102), a cloud platform (103), an AI analytics engine (104), and a caregiver interface (105). The system enables real-time monitoring of vital signs, predictive health analysis, and emergency alerts. It ensures proactive medical intervention, reduces hospital dependency, and provides a user-friendly interface for caregivers and doctors. The invention enhances elderly well-being, safety, and independence while lowering overall healthcare costs through efficient and intelligent monitoring.

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