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REVIEW: WIRELESS PATIENT MONITORING SYSTEM & ITS PERFORMANCE EVALUATION

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ABSTRACT

Care taking systems for elderly population have made patient monitoring an important area of research. Medical evaluation in these systems uses wireless technologies to transmit vital signs.This paper strives to implement a prototype to enhance performance of patient monitoring system. Proposed system measures physical parameters like heartbeat and body temperature of the patient.This work is motivated by developing an efficient wireless biometric system that simultaneously monitors multiple health parameters at a given time and transmit this information to patient monitoring system to store it permanently for future analysis. Based on this performance evaluation of sensors can be done. Although wide range of techniques are available for ICU patient's health monitoring using wired systems but this work provides a novel system where wireless sensor networks are deployed to monitor health parameters and the acquired data is transmitted to server. Zig bee wireless sensor networks are used to achieve our purpose. A buzzer is raised and the discomfort signal is communicated to the doctor through GSM module if a patient is found with abnormality.

KEYWORDS: Wireless Sensor Networks, Multiple Health Parameters, Sensors, Patient Monitoring System

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Original Article