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International Journal of Medical Engineering and Informatics > 2017 Vol.9 No.3

Title: Android-based real-time healthcare system

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Abstract: The human health becomes obsession for most people around the world, the heart diseases is one of many factors that threatens human lives, the objective of this paper is to provide medical intervention anywhere at any time using GSM and GPS technologies. This paper presents the design and implementation of a remote patient monitoring (RPM) system by utilising the cellular GSM technology in order to send short message service (SMS) to the responsible person typically the doctor in charge of following the patient health. The earlier mention technologies are indeed as easy practical, inexpensive and very effective way for transmitting vital information to the healthcare providers. The novelty of this paper appears by using an android-based application which is a user friendly application running either on smart phone or tablets. The android application records the received SMS and keep these messages in the database.

Keywords: smart healthcare; sensors; smart city; embedded systems.

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