

A Novel Approach to Real Time Health Monitoring System

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Abstract

According to survey of world health organization in 2012, approx. 7.4 million people die in a year due to heart attack. Main Reason behind this is in today's world people don't have time for regular checkups to hospitals. we can develop mechanism in which person's smartphone will become a personal health assistant. In this paper we will develop real time health monitoring system using the combination of bio-sensors and android application. using wearable bio-sensors we will get information like heartbeat rate, body temperature and percentage of oxygen in blood. this information will be sent to android application using Bluetooth that will do three major functions. First, using this information application will give person's fitness ratio and if health is not good it suggest medicine with location and integrated offline maps. Second, using bio-sensors data we can know about any critical conditions. so in this case without internet connection required, application will automatically do registration in nearest hospital and give us conformation notification in emergency conditions using web and application's intelligent system. Third, as person will visit any place application will give information about that place like current weather conditions, how long it will take to reach, which medicines may be required on trip according to past history and person's fitness data stored in application. In addition according to distance travailed application will suggest for diet as well. so it will become personal assistant that will work offline.

