Abstract

The proper management of personal health information is important to the healthcare system. The major challenge for patients is collecting their health information in one location so that it will be accessible to them and to the providers with whom they wish to consult. These records are generally not exchanged and updated unless the sites are part of a network of providers that share common information systems. In recent years, there has been a tremendous increase in the utilization of wireless sensors in the medical field in order to monitor patient’s health records in real time. A new trend in ad hoc network are Vehicular Ad Hoc Networks (VANETs) and Wireless sensor networks. In this paper, the VANET and Wireless Body Sensor Network (WBSN) technologies are shared together to form an efficient healthcare monitoring system. Particularly, medical assistant is not needed to monitor in the patient’s home or hospital surroundings. As an alternative, patients are prepared with a smart phone and WBSN formed by body sensor nodes. By using the WBSN, the patient’s Personal Health Information (PHI) is collected together. By using VANET technology ambulance and medical personnel will be sent to the patient’s location. This approach will lessen the complexity and time taken for assistance.
An Efficient Healthcare Monitoring System in Vehicular Ad Hoc Networks

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Index Terms

Computer Science Wireless

Keywords

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