Abstract

Monitoring medical parameters in critical, unpredictable and post operational days play a major role. The probability of collapse and the consequences of conditions that cause danger to life are minimized due to real time and periodic health monitoring. Whenever a saline is fed to any patient, the patient needs to be continuously administered by a nurse or the caretaker. Because of the negligence and inattentiveness towards saline bottles by doctors, nurses or caretaker of the patients and lack of number of nurses with efficient skills in hospitals and their excessive workload, a large number of patients are dying and are being harmed in the hospitals. In wide range of healthcare applications Internet of things (IoT) plays a significant role and also serves as an incentive for the healthcare. Hence adaption of the latest orientation in Healthcare communication technique using IoT is done. In this project various sensors communicate through a gateway which is basically an Arduino Uno R3 microcontroller. The sensor data is accessed by microcontroller and sent to the network through Bluetooth. Therefore it procures a real time monitoring of the medical management parameters for doctors. The controller is attached with an alarm to alert the caretaker about varied parameters of sensors. But the major
concern in monitoring system is that it monitors patient remotely and the data has to be channeled with security to the destination. When an extreme situation is reached system sends an alert notification to the concerned ward staff. This system is agile, efficient along with low power consumption capacity, time to time response, high performance and easy setup. This proposed system can be utilized efficiently in homes as well as hospitals.

References


Index Terms

Computer Science  Information Systems

Keywords