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Patent Search

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Abstract:

Safety and health of ICU patient are important in hospital workplace, the device allows individuals to constantly monitor their health without having to physically visit a doctor or other health care professional. Wireless communication, allows measurements to be made and evaluated by a computerized healthcare service provider. For a more accurate evaluation, measurements are sent over the INTERNET to a service. The device communicates with services in order to diagnose the individual based upon the characteristics of this invention, Health parameters are measured by sensors and give to the ARDUINO module. This module analyzes the data and monitor in LCD, post the same in internet based server. We continuously monitor, if any changes found like low heart rate, high heart rate, high temperature, patient movement IoT alerts the authorized person regarding health parameters

Complete Specification

with. The care services in medical centers are consistent with the assessment of the well being of the
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patients. The body of the patient is continuously monitored for temperature and pulse and registered. This interface is simple, illustrating the usage of ESP8266 and Arduino IoT Patient Safety Monitoring Program. Temperature sensors Pulse and LM35 monitor separately BPM and Ambient Temperature. The Arduino designs the application and shows an LCD panel with 16 * 2. Starts sending the data to the IoT application server via WLAN ESP8266 unit partners with both the Wi-Fi. Thing speaks is the IoT server used in this. Finally, data from anywhere in the world can only be verified by identifying the channel Thing speak. , C , C , Claims:1. We claim that all sensors demonstrate that there is a minimal difference in measurements and their performances are compatible with their counter commercial and medical devices.
2. We claim that Time taken by microcontroller to send data to cloud in 15 seconds.
3. We claim that Time taken to fetch data from cloud and view it on web: Time taken to run query and relay information on web page is <500ms.
4. We claim that Time taken to fetch data from sensor and relay information to Micro controller is <50ms.

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