ABSTRACT

TITLE: IOT based Paralysis Patient Monitoring System

The IOT-based paralysis patient health care system is designed to assist the patient in communicating various messages. Patient temperature, pulse and oxygen levels are sensed along with a few hand gestures and displayed on IOT server via Wi-Fi module. In this project we are sensing health parameters like Heart Rate, Body Temperature and SpO2 (Blood Oxygen) level. The health parameters are displayed on a web browser on Wi-Fi enabled devices like smart phones or Laptop. The heartbeat rate is determined physically by using a stethoscope where the likelihood of mistake is high on the grounds that the heartbeat rate is in the middle of 70 to 90 every moment whose event is under 1 sec, so this gadget can be considered as an excellent option. The IOT-based paralyzed patient health care system is a system meant to assist the patient in communicating different messages to physicians, nurses, or loved ones while sitting at home or in the workplace over the internet. To deliver this capability, the system employs microcontroller-based circuitry. It employs a hand motion recognition circuit as well as a receiver and transmitter circuit. The hand motion circuit detects hand motions with an accelerometer and wirelessly transmits this information to the receiver system through Rf. The receiver system is designed to receive and process these commands and transmit the data online over to the Blynk IOT platform. The Blynk IOT, then displays this information online, to receive patient information.