Abstract

Title: Smart Healthcare Monitoring using IOT

The advent of Internet of Things (IOT) technologies facilitates the progress of healthcare from face-to-face consulting to telemedicine. In this paper, we have proposed a system in which patient’s body temperature, heart rate, body movements and blood pressure reading results that are being monitored by the system. The various sensors are placed on the patient’s body and they take the readings and send the corresponding signal to the raspberry pi. Here, various sensors are used to measure the patient’s body temperature, heart rate, Blood Pressure and their respective results are sent to the database via Raspberry Pi and can be monitored from anywhere worldwide through the internet facilitated via GSM module

**HOW IS THIS HELPFUL TO OUR PROJECT:**

The main reason to select the above research paper as one of our reference papers is because we wanted to implement the similar kind of idea to our project. Our project is based on heart pulse detection and we are using arduino over raspberry pi because with the pi you have to learn some Linux as well as programming such as Python. The arduino works with any computer and can run off of a battery. You can also turn it on and off safely at any time. While the raspberry pi shines in software application, the arduino makes hardware projects very simple. In this way we are improving the existing project by making it more complex and easier to modify errors.