Abstract

As the population is increasing worldwide, a huge need arises to provide proper health-care services. India is such a country, where the population keeps on rising every year and the government is not able to provide basic health care check-ups due to lack of a number of doctors in the country. The research focuses on measuring basic health parameters like pulse rate and body temperature using a microcontroller and develop an android app for appointment of doctor. In conventional system, patients have to physically wait in queues in order to get the appointment. The main objective of this paper is to reduce the time for the appointment and to increase the number of patients per day by doctor, as we know doctors per 1000 person is 0.7. In our developed system, we have used microcontroller for interfacing pulse rate sensor and temperature sensor. On the other side, we have developed an android application, in which patient will fill his/her details and all data will be stored which we can access later on. These health monitored data is displayed on doctor’s application.
9. Cerqueira Ferreira, Hiro Gabriel, Edna Dias Canedo, and Rafael T. De Sousa. 2013 IoT architecture to enable intercommunication through REST API and UPnP using IP, ZigBee and Arduino 9th International IEEE conference on Wireless and Mobile Computing, Networking and Communications (WiMob)

Index Terms

Computer Science Software Engineering

Keywords