Internet of Things Health Monitoring System Using Raspberry Pi

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Abstract

The science of today is the technology of tomorrow. It's not that we use technology. We live technology. Technology changes the quality of life. According to the constitutions of World Health Organization (WHO) the highest attainable standard of health is a fundamental right for an individual (Abdullah et al, 2015). The WHO predicts that in 2020 most of the diseases worldwide will be due to chronic pathologies as diabetes, hypertension or cardiovascular diseases. Thus compounds the problems of obesity and intensify the activity monitoring. There are several eHealth Monitoring System on the market in today society, such as MyHome eHealth Monitoring System. The growth of the remote patient monitoring field, the Internet of Things and machine-to-machine communication market is expected to rise from $255.87 Billion in 2014 to $947.29 Billion by 2019, according to a Markets and Markets report. According to Grand View Research, Inc., global eHealth market is expected to reach 308 billion (USD) by 2022. The transition of the healthcare industry into digital healthcare system management and analysis of patient health is expected to be the most vital driver of the market. The goal of this project was to create an IoT E-Health Monitoring System using the Raspberry Pi to monitor a patient heart rate and temperature.

Acknowledgment

Biography

Jamila Brooks graduated from Talladega College with a Bachelors of Arts in Computer Science with a Minor Computer Information System (CIS). She is a former Basketball and Soccer scholar-athlete within the Gulf Coast Atlantic Conference (GCAC) of the National Association of Intercollegiate Athletes (NAIA). Born in the City of Bessemer, Alabama, Ms. Brooks is currently enroll at Alabama A&M University where she is to obtain a Masters in Computer Science. She has high aspiration to work with the Federal Bureau of Investigation (FBI). Jamila is a proud member of Delta Sigma Theta Sorority Incorporated and Association of Computer Machinery (ACM)