Communication and Challenges in Smart Health Monitoring System



A Research Project Report

*Submitted to the Department of Information and Communication Engineering , University of Rajshahi for partial fulfilment of the requirements for the Degree of Bachelor of Science Engineering.*

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*Dedicated To My*

Beloved Parents

*Without whose loving care my*

*Existence on the earth would be*

*Impossible.*

**ABSTRUCT**

Health is the fundamental need and it is the human right to get quality Health Care. In Bangladesh it is getting harder to provide proper health service to the massive population with limited resources. This project presents the idea of solving health issue using latest technology in sensors and android smart phone.

The human right to health means that everyone has the right to the highest attainable standard of physical and mental health, which includes access to all medical services, sanitation, adequate food, decent housing, healthy working conditions, and a clean environment.

The human right to health care means that hospitals, clinics, medicines, and doctors’ services must be accessible, available, acceptable, and of good quality for everyone, on an equitable basis, where and when needed. The design of a health care system must be guided by the following key human rights standards.

In this project we have designed a system where the doctor can monitor the patient’s physical condition (blood pressure, temperature, heartbeat rate) from anywhere. The wearable sensors gather information of the patient’s physical condition periodically and transfer it to the patients, mobile phone. The patient’s phone uploads the information to the server for the storage and processing. The server uses MySQL database to hold the data for further processing. The server monitors the physical parameters. The doctor is notified if the values of the parameters are abnormal state. The doctor monitors the patient’s physical condition and come to conclusion. In some case the doctor may require farther information, and then doctor can ask for the further test. The process continue till the physical condition of the patient is in unstable state and doctor asks the patients to remain with the wearable sensors.

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Zahedur Rahman