

ABSTRACT

SMS Gateway is an application that is used to send and receive SMS and usually used on business, promotional purposes, information service for users and the dissemination of product or service content. Today, there are many applications and services that provide SMS Gateway service with various features and level of difficulty. In the medical world, SMS Gateway is still rarely used and used maximally to help medical work.

This application can be used in the Hospital to make it easier for doctors to calculate the average and monitor the patient's heart rate while in hospital. Patients need only Android Smartphone and Smartwatch which have heart rate sensor to check the patient's condition. After data is obtained, data from Smartphone will be sent to PC Server then will be processed and will be sent via SMS Gateway to be sent to doctors and family of patients.

Keywords: Smartwatch, Heart Rate Sensor, Patient Health, Android Application, Gammu, FTP.