

IoT Based Remote Health Monitoring System with Electrocardiograph

V. M. Umale¹, Akash Parmeshwar², Pratik Nikure³, Sudhanshu Pawar⁴, Varun Dhanuka⁵

Assistant Professors, Department of Electronics and Telecommunication Engineering¹

Students, Department of Electronics and Telecommunication Engineering^{2,3,4,5}

Shri Sant Gajanan Maharaj College of Engineering, Shegaon, Maharashtra, India

Abstract: *In recent years, especially in the context of covid health care development, we have seen that a less amount of medical facility gotten to a patient. To track a few individual data at home like temperature, pulse rate and heart beats of the patients and inform the doctors in case of any patient emergency. To track this data doctor needs a platform to see that data like temperature of patient's body, what's the heart rate of patient for this we are using Thing speak server using this doctor can see the condition of patient. This platform where users can display records in real-time basis. In this paper we discussed health monitoring frameworks that allows patients to be supervised without the need to consult a physician who can be using with market sensors. This module provides the necessary opportunity for a day-to-day paramedic company that can be recorded by a doctor and can receive a notice anyway in an emergency. This field position is most commonly used while the patient is under normal examination or under long-term home care. To measure heart rate usually use a heartbeat sensor but this system will use an AD8232 sensor that will display a patient's Electrocardiograph using the IoT system. Our project proposes a flexible health monitoring system with Electrocardiograph modifications.*

Keywords: Arduino, Electrocardiogram, Pulse Rate, Blood Pressure, Temperature, Stress, IOT Monitoring System.

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