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Cloud Based Smart E-Health System

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Abstract: *This paper presents a smart healthcare monitoring system that utilizes the ESP32 microcontroller along with multiple sensors to measure vital health parameters such as heart rate, body temperature, and ECG. The collected data is transmitted to a cloud platform, Supabase for real-time storage and analysis. The system also provides a web-based interface for users to monitor their health trends and past readings in a structured format. The proposed system aims to enhance remote healthcare capabilities by offering an affordable, scalable, and efficient health monitoring solution.*

Keywords: ESP32, healthcare monitoring, cloud computing, IoT, real-time monitoring, wearable sensors**,** etc

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