

Wireless IoT system towards GAIT Detection in Stroke Patient

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Abstract: *This project presents a Wireless IoT System designed for gait detection in stroke patients. By utilizing wearable sensors equipped with accelerometers and gyroscopes, the system continuously monitors and analyzes gait patterns. The collected data is transmitted wirelessly to a central platform, where advanced algorithms process and interpret the information. This enables real-time feedback and monitoring, facilitating personalized rehabilitation and tracking of patient progress. The system aims to enhance the accuracy of gait assessment, support effective rehabilitation strategies, and ultimately improve patient outcomes..*

Keywords: Raspberry Pi, Gyroscope, WiFi module, Bluetooth module, Rechargeable Lithium-Ion Battery

