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ABSTRACT

Title: Women's Wearable Security and Safety Device

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Women's safety has become a pressing issue in many parts of the world, with increasing reports of harassment, assault, and violence. Wearable security and safety devices specifically designed for women are emerging as effective tools to enhance personal safety. This paper discusses how these devices work, including features like automatic alerts when sudden movements or falls are detected, alarms to scare off attackers, and cameras to record evidence. Connectivity options like Bluetooth and cellular networks allow users to share their location and stay connected with emergency contacts.

While these devices offer significant benefits for personal safety, they also face challenges such as limited battery life, privacy concerns, and the need for greater public awareness. The paper explores these issues and suggests ways to improve wearable safety devices, making them more reliable and effective for women's security.

Keywords: ***Internet of Things, Raspberry pi, Women's safety, Wearable security devices, Emergency alerts, Surveillance cameras, Bluetooth, Connectivity, Cellular networks, Privacy concerns, Battery life.***