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IoT Based Human Safety Device

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Abstract: *In today's world, ensuring personal safety has become a growing concern due to increasing threats from accidents, crimes, and environmental hazards. This project proposes the development of a Human Safety Device designed to provide real time monitoring, emergency alerting, and location tracking capabilities. The device integrates various sensors such as GPS, accelerometers, temperature sensors, and panic buttons to detect abnormal conditions like sudden falls, high body temperature, or distress situations. When triggered, it sends instant alerts via SMS or mobile app notifications to pre-defined contacts and emergency services, along with the user's real-time location. Compact, wearable, and energy-efficient, this device aims to offer a reliable safety solution for children, women, elderly individuals, and workers in hazardous environments. The ultimate goal is to enhance personal security and enable quicker emergency response, potentially saving lives.*

Keywords: Human Safety Device, Real-time Monitoring ,Emergency Alerts , GPS Module, Sensors

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