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Women Safety Device with GPS and SMS Alert

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Abstract: *This abstract presents a conceptual design for a women's safety device that integrates GPS tracking and GSM-based SMS alert systems. The device, powered by an Arduino Uno microcontroller, utilizes a GPS module to monitor location and a GSM module to send SMS alerts to predefined contacts in case of emergencies. An LCD display provides real-time information, while a buzzer emits audible signals as needed. A 12V adapter ensures the device is adequately powered. The system is designed to enhance personal security by providing timely alerts and location data, thus offering a potential solution for enhancing safety in potentially dangerous situations*

Keywords: GSM-based SMS alert systems

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