

GPS Tracker with Arduino for Girls Safety

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Abstract: *Women's safety is a crucial concern in today's society, necessitating the development of personal security solutions. This project presents a **women's safety purse**, integrated with a **GPS and GSM-based security system**. The purse is designed to provide instant emergency assistance with the press of a button, ensuring safety in distress situations. It operates on a **3.7V Li-ion battery** with a **5V charging module**, making it portable and reliable. The purse includes four key switches: **Call, SMS, Alert, and Shock**, each serving a vital function for self-defense and communication in emergencies.*

Keywords: Arduino, GPS tracker, Womens safety, personal security, real time location tracking

