

A Smart Safety Device for Women and Children

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Abstract: *Even ordinary people's street conversations frequently turn to the escalating and horrifying attacks on women and children. An overpowering concern for the women in our families has lent urgency to our discussion of the critical and pressing issue of women's safety. Many special devices are primarily Western in nature, and the majority of them have yet to reach India.*

Another problem is the high cost of producing these devices. This is precisely where the government should intervene to try to mitigate cost and infrastructure issues for corporations working in this direction. The issue with apps is that they are often clumsy. The women must unlock her phone, open the app, and then press a button. Furthermore, most of the time, the perpetrators reach for the phone first. The need is for independent devices, such as safety bands, rings, key rings, and so on, that can be carried around in disguise and used quickly, and that will allow women to send emergency messages with their location in times of distress. The streets, public transport, public spaces in particular have become the territory of the hunters'. Because of these reasons women can't step out of their house. The only thought haunting in every women's mind is when they will be able to move freely on the streets even in odd hours without worrying about their security. In critical situations the women will not feel insecure or helpless if they have some kind of safety device with them. We propose to have a device which is the integration of multiple devices, hardware comprises of a wearable "Smart gadget" which continuously communicates with Smart phone that has access to the internet.

Keywords: Safety Device, Atmega329P, GSM, Women Safety, Location Tracking, Child Safety

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