

GPS Based Technology for Women Safety During Panic and Insecurity

Prof. William Thomas¹, E Pavan Kumar², Dahanunjaya³, A Shiva Sharan⁴, Sabala Pavan Kumar⁵

Asst. Professor, Department of Electronics & Communication Engineering¹

Students, Department of Electronics & Communication Engineering^{2,3,4,5}

Ballari Institute of Technology and Management, Ballari, Karnataka, India

Abstract: *In our Country, even though it has super power and an economic development, but still there are many crimes against women. The atrocities against the women can be brought to an end with the help of device, specially designed for women in distress. women are facing problems like harassment. We propose to have a device which is the integration of multiple devices, hardware comprises of a wearable device that endlessly communicates with sensible phone that has access to the web. The device consists of trigger button, GPS module(Neo-6M), Switch, soil moisture sensor(continuity purpose), Buzzer, esp32 microcontroller, LCD display. In this project, when a woman senses danger she has to press the button of the device. Once the device is activated, it tracks the current location using GPS (Global Positioning System) and wifi is connected then it stores data in the google fire base from that it sends stored data to the mobile App. From the app the user gets notification and he/she can use that device by pressing the switch. buzzer is used as an alarm to alert the nearby people so that they may understand that someone is in need.*

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