

(54) Title of the invention : GSM HAIRBAND BASED ON WOMEN’S SAFETY

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(57) Abstract :
 This Project presents a women safety detection system using Global Positioning System (GPS) and Global System for Mobile Communication (GSM) modem. The system can be interconnected with flex sensor and alert the concern person. This detection and messaging system is composed of a GPS receiver, Microcontroller, and a GSM Modem. GPS Receiver gets the location information from satellites in the form of latitude and longitude. The Microcontroller processes this information and this processed information is sent to the user using GSM modem A GSM modem is interfaced to the MCU. The GSM modem sends an Short Message Service (SMS) to the predefined mobile number. When a woman is in danger and in need of self-defense then she can press the switch which is allotted to her. By pressing the switch, the entire system will be activated then immediately a SMS will be sent to concern person with location using GSM and GPS.

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