

Portable Women Protection and Monitoring Device Using Embedded System

Jorvekar Bhumika Rahul, Shewale Arya Ratnakar, Thitame Samiksha Gorakshnath,
Dighe Tanmay Rajesh, Prof. Borhade. G. L.

Amrutvahini Sheti and Vikas Sanstha, Amrutvahini Polytechnic, Sangamner, Ahilyanagar, Maharashtra

Abstract: *Women's safety has become a major concern in modern society due to increasing crime rates. This paper presents a portable women protection and monitoring device using an embedded system. The system integrates sensors such as heartbeat, temperature, gyroscope, and pressure sensors with an ATmega 2560 microcontroller. It provides real-time monitoring and emergency alerts using GPS and GSM modules. In critical situations, the device sends location details via SMS and activates a buzzer for immediate attention. The proposed system is cost-effective, portable, and reliable, ensuring enhanced safety for women.*

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