IJARSCT
International Journal of Advanced Research in Science, Communication and Technology
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
ISSN: 2581-9429
Volume 5, Issue 2, December 2025
Impact Factor: 7.67

Women Safety Tracking System with Live Geolocation Sharing

Bhonde Rohan Raju, Jagtap Aniket Bhaskar, Gawali Smita Arun, Prof. P. B. Palve
Student, Department of Computer Engineering
Professor, Dept, of Computer Engineering
Adsul Technical Campus, Chas, Ahilyanagar, Maharashtra, India

Abstract: *Ensuring women's safety in public and private environments is an increasingly critical global challenge. Rapid emergency communication and accurate real-time location sharing can significantly reduce response time during unsafe situations. This research presents a mobile-based Women Safety Tracking System that integrates live geolocation sharing, one-tap SOS alerts, SMS and notification-based emergency messaging, and automated evidence recording. Leveraging GPS, cloud-based backend services, and secure communication protocols, the system enables users to instantly notify trusted contacts with their live position during emergencies. Experimental evaluation demonstrates high responsiveness, usability, and reliability across varied network conditions. The proposed solution offers a cost-effective and scalable model for enhancing women's safety through technology-driven intervention.*

Keywords: Women Safety, Live Location Tracking, GPS, SOS System, Emergency Alert System, Mobile Application, Cloud Backend, Real-Time Monitoring

Copyright to IJARSCT
www.ijarsct.co.in

DOI: 10.48175/IJARSCT-30390