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Smart Community Women Safety Network

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Abstract: *Women safety has become a major social concern due to the increasing number of harassment and emergency incidents in public and private spaces. Immediate assistance and accurate location sharing play a vital role in reducing risks and ensuring timely help. This paper presents a Smart Women Safety System developed using web technologies such as HTML, CSS, and JavaScript, with Firebase and MySQL used for backend services and data storage. The proposed system allows users to trigger a real-time SOS alert with live location details, which can be monitored through a centralized dashboard. Firebase ensures instant data synchronization and alert delivery, while MySQL maintains structured records for future analysis. The system is designed to be user-friendly, reliable, and scalable. Experimental observations indicate that the solution provides faster response time and improved reliability compared to traditional safety mechanisms, making it suitable for real-world deployment and academic evaluation.*

Keywords: Women Safety, SOS Alert, Real-Time System, Firebase, Location Tracking, Web Application

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