IoT based Women Safety Smart System Development

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Abstract: *Designing an effective system for women's safety is essential for reducing crimes against women and prosecuting the guilty. Women harassment at workplace, public transport etc., has been a rising concern all over the world. An early action and proper mechanism could reduce the number of crimes against women. The development of a Women Safety Smart System within the Internet of Things (IoT) domain represents a significant advancement in leveraging technology to address the pressing issue of women's safety. This paper outlines the design, implementation, and potential impact of such a system, which integrates IoT devices, sensors, and data analytics to create a proactive safety infrastructure. Key components of the system include IoT-enabled wearables, smart surveillance and monitoring systems, a dedicated mobile application, and predictive analytics capabilities. These components work synergistically to provide real-time monitoring, timely intervention, and community engagement in ensuring the safety and well-being of women. By harnessing IoT technology, this system offers a scalable and adaptable solution to mitigate risks, empower women, and foster societal change. The paper discusses the benefits, challenges, and future directions of Women Safety Smart Systems in the IoT domain, highlighting their potential to transform safety paradigms and promote inclusivity and equality in urban environments.*

Keywords: Women harassment

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