Touchless Doorbell

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Abstract: *The Touchless Doorbell System is an innovative solution designed to enhance convenience, safety, and hygiene at entryways. By leveraging proximity sensors, this system allows users to activate the doorbell without physical contact, reducing the risk of transmission of germs and improving accessibility for individuals with mobility challenges.*

The system detects the presence of a hand or object within a designated range, triggering the doorbell mechanism automatically. Additionally, it integrates with smartphone applications for remote notifications, enabling homeowners to receive alerts and communicate with visitors even when not at the door. The design emphasizes energy efficiency, low-cost components, and ease of installation, making it a practical upgrade for residential and commercial properties.

This project aims to provide a seamless, hygienic, and modern solution to traditional doorbell systems, aligning with contemporary needs for health-conscious and tech- savvy environments..

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