

Blind Safe Obstacle Detection

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Abstract: *Visually impaired individuals face challenges navigating streets due to difficulty detecting obstacles, which can make walking dangerous. A proposed solution is a smart device equipped with LiDAR sensors to detect obstacles and alert users through vibrations or buzzer sounds. Unlike traditional devices that only detect nearby obstacles, this advanced system offers broader detection for safer navigation. Additionally, it includes GPS and GSM features to track the user's location, enhancing both navigation and safety.*

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