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Smart Glasses for Blind People Using Arduino

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Abstract: *The "Smart Glasses for Blind People" project aims to enhance the independence and mobility of visually impaired individuals through the use of Arduino-based wearable technology. These smart glasses integrate sensors, such as ultrasonic and infrared, to detect obstacles in the user's environment. The system provides real-time auditory feedback via a speaker or vibration motor, alerting the user to nearby objects or hazards, enabling them to navigate their surroundings safely. The project utilizes Arduino microcontrollers to process sensor data and translate it into actionable information, making it a cost-effective and customizable solution.*

Keywords: Arduino, Ultrsonic, Sensor, Buzzer, Register, Capacitor, Battery, Glasses., IC