



Parking Lot

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Price: ~~₹3,476.00~~ Original price was: ₹3,476.00. ₹2,051.00 Current price is: ₹2,051.00.

Stock: instock

Categories: [Arduino](#), [Engineering project](#), [Exhibition Models & Inspire Award](#), [Mechatronics](#), [Projects](#), [Technology & Innovation](#), [Transport](#)

Product Description

Parking Lot Gate Controller with Capacity Counter using 7 Segment Display / slot based parking lot

INTRODUCTION:

A parking lot gate controller using Arduino, a 7-segment display, and a servo motor can be built to manage the opening and closing of a parking lot gate and display relevant information. The system can include features like a numeric display for parking space availability for the gate closure. The aim of this project is to design and build a prototype of an automated parking system which will show the number of parking spaces left inside the parking lot. It will have a pre-installed number of maximum cars that can be parked. A conduction sensor will count the entry and exit of each car and open the barricade for the entry and exit. The entry and exit system can how ever be chosen. A display on the monitor outside the parking lot will show how many cars can still be parking inside the parking lot. In this project, 8 parking spaces have been allotted with only one entry/exit door.

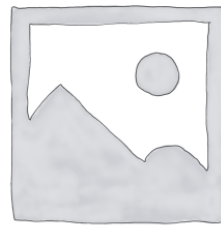
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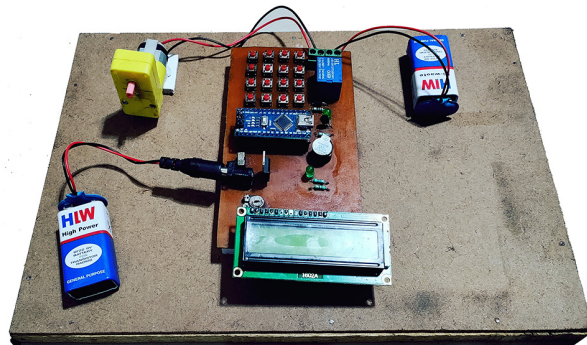
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Product Description



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Categories: [Arduino](#), [Engineering project](#), [Projects](#)

Product Description



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Categories: [Arduino](#), [Engineering project](#), [Projects](#)

Product Description



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Stock: instock

Categories: [Arduino](#), [Engineering project](#), [Exhibition Models & Inspire Award](#), [Projects](#), [Technology & Innovation](#)

Tags: [school science project](#), [science exhibition model](#), [security system](#)

Product Description

INTRODUCTION :

The Portable Environment Monitor is a project aimed at creating a device that can measure and display key environmental parameters such as air quality, temperature, humidity, and light intensity. The monitor utilizes an Arduino Nano microcontroller board along with sensors like MQ135, DHT11, and an LDR (Light Dependent Resistor) to collect data. The data is then displayed on an LCD16x2 display for easy interpretation. This project provides a compact and portable solution for monitoring environmental conditions in various settings.

MARKET USES:

The Portable Environment Monitor has various potential market uses, including:

- **Indoor Air Quality Monitoring:** It can be utilized in homes, offices, and public buildings to monitor air quality, detect harmful gases, and ensure a healthy living and working environment.
- **Environmental Research:** Scientists and researchers can use the monitor for field studies, analyzing pollution levels, and collecting data for further analysis.

- **Smart Agriculture:** The monitor can be employed in greenhouse environments to maintain optimal temperature, humidity, and light levels for plant growth.
- **Industrial Safety:** It can be utilized in industrial settings to monitor air quality and ensure a safe working environment for employees.
- **Educational Purposes:** The Portable Environment Monitor can be used as an educational tool to teach students about environmental monitoring and the importance of air quality.

ADVANTAGES:

The Portable Environment Monitor offers several advantages:

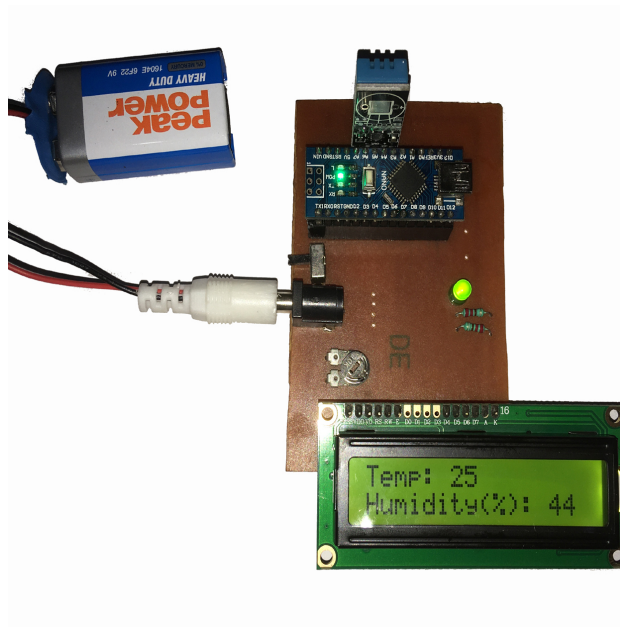
- **Portability:** The device is compact and portable, allowing for easy deployment in various locations.
- **Real-time Monitoring:** It provides real-time data on temperature, humidity, gas concentration, and light intensity, allowing users to make informed decisions.
- **Cost-effective:** The components used in the project are relatively inexpensive and readily available, making it an affordable solution for environmental monitoring.
- **User-friendly Interface:** The LCD16x2 display provides a clear and easy-to-read interface for displaying environmental parameters.
- **Customizability:** The project can be expanded or modified to include additional sensors or functionality based on specific requirements.

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Working Video

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Portable Temperature and Humidity Monitor with LCD

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Price: ₹2,916.00 Original price was: ₹2,916.00.
1,720.00Current price is: ₹1,720.00.

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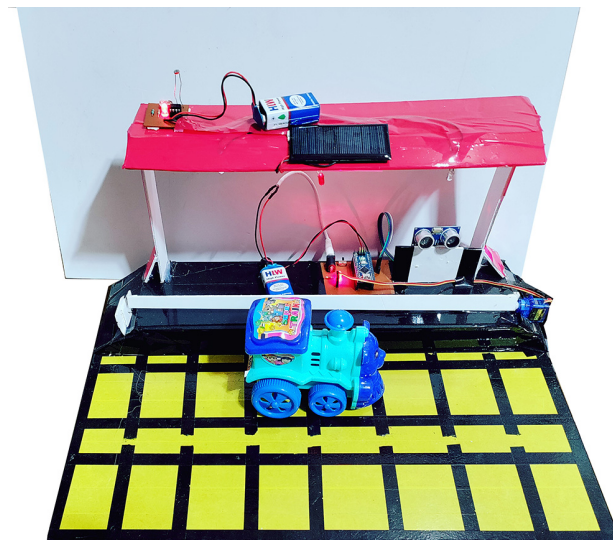
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**Railway Platform
Safety cum
Light**

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Categories: [Arduino](#), [Engineering project](#), [Exhibition Models & Inspire Award](#), [Projects](#), [Security](#), [Technology & Innovation](#), [Transport](#)

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Categories: [Arduino](#), [Engineering project](#), [Projects](#)

Product Description



RFID Card B using Ardui

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Categories: [Arduino](#), [Engineering project](#), [Projects](#)

Product Description



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Categories: [Arduino](#), [Engineering project](#), [Projects](#)

Product Description



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Price: ~~₹2,188.00~~ Original price was: ₹2,188.00. ₹
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Stock: instock

Categories: [Arduino](#), [Engineering project](#), [Projects](#)

Product Description



Smart Blind Stick With vibrators, Water sensor & Night Sensor

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Documentation

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Product Description

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Smart Shower Using Arduino

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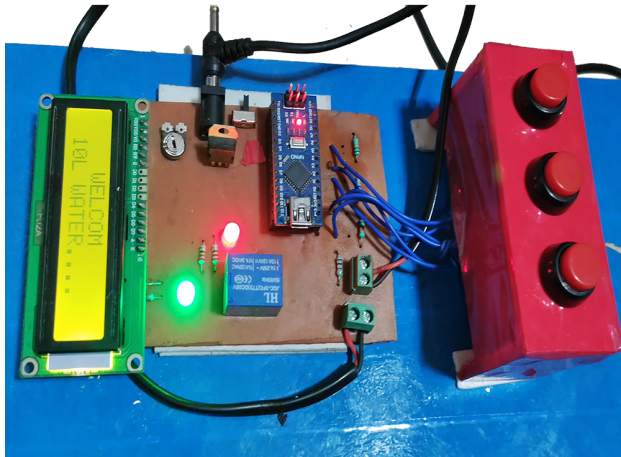
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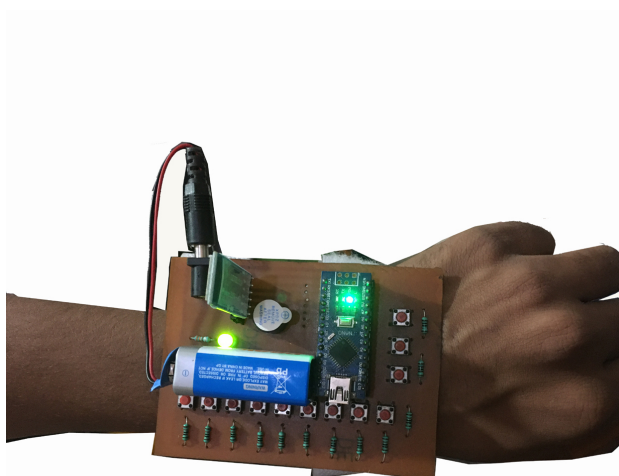
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Categories: [Arduino](#), [Engineering project](#), [Projects](#)

Product Description



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smart gadget
for patient**

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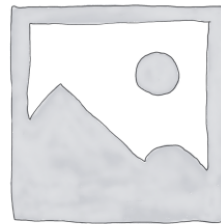
Categories: [Android / Smartphone Controlled](#), [Arduino](#), [Engineering project](#), [IOT](#), [Projects](#), [Wearable Technology](#)

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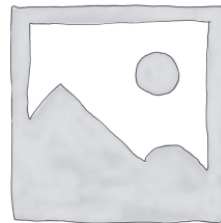
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Price:

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Categories: [Arduino](#), [Engineering project](#), [Projects](#)

Product Description



Smartphone Lock using A Bluetooth

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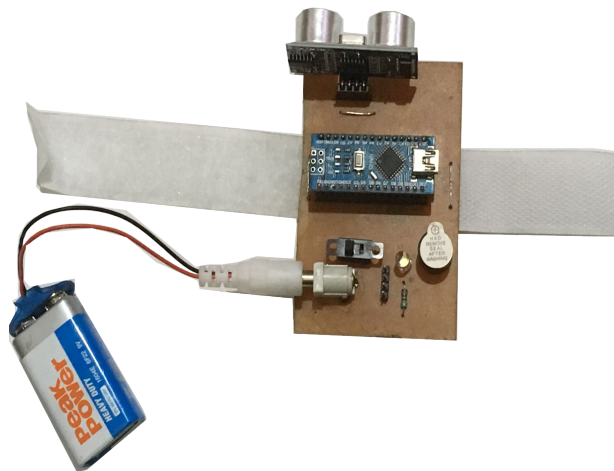
SKU: PH_EP_058

Price:

Stock: instock

Categories: [Arduino](#), [Engineering project](#), [Projects](#)

Product Description



Social Distancing Using Ultrasonic Sensor

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Highlights

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Documentation

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Price: ₹2,380.00 Original price was: ₹2,380.00. ₹1,404.00 Current price is: ₹1,404.00.

Stock: instock

Categories: [Arduino](#), [Engineering project](#), [Exhibition Models & Inspire Award](#), [Projects](#), [Technology & Innovation](#), [Wearable Technology](#)

Product Description

INTRODUCTION:

The Social Distance Alarm project using Arduino and an ultrasonic sensor is a technological solution developed to promote social distancing and help prevent the spread of infectious diseases. It uses ultrasonic sensors to measure the distance between individuals and provides an alert if the safe distance threshold is breached. This project aims to create awareness about maintaining a safe distance and encourage responsible social behavior.

USES:

The Social Distance Alarm project has various potential uses, including:

1. **Public Spaces:** It can be implemented in crowded public areas such as shopping malls, airports, train stations, and bus terminals to remind people to maintain safe distances.
2. **Workplaces:** The project can be deployed in offices, factories, or warehouses to ensure employees adhere to social distancing guidelines.
3. **Educational Institutions:** Schools, colleges, and universities can utilize this project to promote social distancing among students and staff.
4. **Healthcare Facilities:** Hospitals, clinics, and waiting areas can implement the system to remind patients and visitors to maintain appropriate distances.
5. **Retail Stores:** Shops and supermarkets can use the project to encourage safe shopping practices and protect both customers and employees.

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Highlights

Branding Free Pr

- No Brand Nam
PCB & Projects
- 100% Working
- Tested Project

Documentation

- Free Project Synopsis – **Embedded below**
- Printed Short Report
- Printable Soft copy of Project Report

Support

- Demo Video – **Embedded below**
- Technical Support – WhatsApp@9109087333
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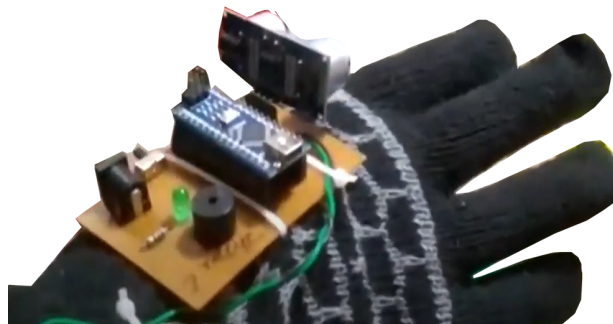
SKU: PH_EP_066

Price:

Stock: instock

Categories: [Arduino](#), [Engineering project](#), [Projects](#)

Product Description



Third Eye for Glove

Available offer

- **Free Shipping** above Rs999.
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- **Special Bulk Discount** for Companies and Institutions
- Get Special Discount on WhatsApp@9109087333.

Highlights

Branding Free Project

- No Brand Name/Logo/Watermark on Components, PCB & Projects
- 100% Working project
- Tested Project & Activity kits

Documentation

- Free Project Synopsis – **Embedded below**
- Printed Short Report
- Printable Soft copy of Project Report

Support

- Demo Video – **Embedded below**
- Technical Support – WhatsApp@9109087333
- [Get Discount Coupon](#)

Delivery Time

- **Handling Period** : 1-2 Days
- **Transit Time** : 3-5 Days (Approx.)
- **Delivery Time** : Handling Period + Transit Time (4-7 Days Approx.)

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SKU: PH_EP_002

Price: ~~₹2,464.00~~ Original price was: ₹2,464.00.₹
1,454.00Current price is: ₹1,454.00.

Stock: instock

Categories: [Arduino](#), [Engineering project](#), [Exhibition Models & Inspire Award](#), [Projects](#), [Technology & Innovation](#), [Wearable Technology](#)

Tags: [Accessibility technology](#), [Arduino coding](#), [Arduino project for students](#), [Arduino tutorial](#), [Assistive technology](#), [Educational projects](#), [Electronics engineering](#), [Engineering students](#), [Exhibition projects](#), [Innovation for the blind](#), [School projects](#), [Sensors and actuators](#), [Third Eye for the Blind](#), [Visually impaired](#)

Product Description

Abstract:

According to estimates from the World Health Organization (WHO) Prevention of Blindness and Deafness Program: About **285 million people** are visually impaired worldwide: 39 million are blind and 246 million have low vision. Now a days there are so many instruments and smart devices for visually impaired peoples for navigation but most of them have certain problems for carrying and the major drawbacks is those need a lot of training to use. So the aim of the project is to develop a cheap and more efficient way to help visually impaired to navigate with greater comfort, speed and confidence. **Existing Systems & their problems:**

1. Blind sticks- May easily crack/break; the stick may get stuck at pavement cracks of different objects.
2. Smart devices (eg: Vision a torch for blinds)- **Cannot be carried easily**, needs a lot of training to use

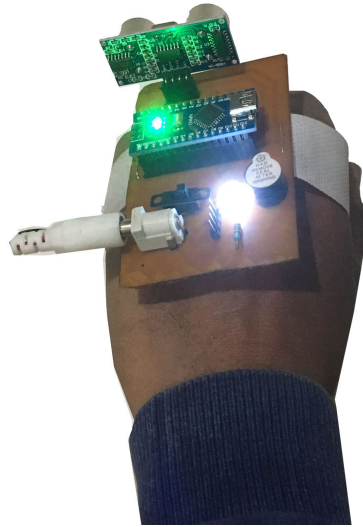
Solution: To solve this problem we are going to make one of the best wearable technologies based innovative device which will detects nearby objects or obstacles and notify with buzzer & vibrators. This devices is called **“Third Eye for blind with Vibrator Glove”** This technology will resolves all the problems of existing technologies. This device will help the blind to navigate without holding a stick. Simply wear it as a band or cloth and it can function very accurately and they only need a very little training to use it.

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[Working Video](#)

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Third Eye for Arduino

Available offer

- **Free Shipping** above Rs999.
- Pay with UPI QR [Coupons](#)
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- Get Special Discount Code: 9109087333.

Highlights

Branding Free Project

- No Brand Name/Logo on Projects
- 100% Working project
- Tested Project & Code

Documentation

- Free Project Synthesis
- Printed Short Report
- Printable Soft copy

Support

- Demo Video – [English](#)
- Technical Support
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Delivery Time

- **Handling Period**

- **Transit Time** :3-5 Days (Approx.)
- **Delivery Time** : Handling Period + Transit Time (4-7 Days Approx.)

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SKU: PH_EP_001

Price: ~~₹2,320.00~~ Original price was: ₹2,320.00.₹1,369.00Current price is: ₹1,369.00.

Stock: instock

Categories: [Arduino](#), [Engineering project](#), [Exhibition Models & Inspire Award](#), [Projects](#), [Technology & Innovation](#), [Wearable Technology](#)

Tags: [Arduino IDE download](#), [Arduino programming tutorial](#), [Arduino project for students](#), [Assistive technology for the visually impaired](#), [Audio feedback device](#), [Electrical engineering project](#), [Electronics engineering project](#), [Engineering student projects](#), [Exhibition project](#), [Obstacle detection device](#), [School project ideas](#), [Third Eye for the Blind](#), [Ultrasonic sensors](#), [Wearable technology](#)

Product Description

Abstract:

According to estimates from the World Health Organization (WHO) Prevention of Blindness and Deafness Program: About **285 million people** are visually impaired worldwide: 39 million are blind and 246 million have low vision. Now a days there are so many instruments and smart devices for visually impaired peoples for navigation but most of them have certain problems for carrying and the major drawbacks is those need a lot of training to use. So the aim of the project is to develop a cheap and more efficient way to help visually impaired to navigate with greater comfort, speed and confidence.

Existing Systems & their problems:

1. Blind sticks- May easily crack/break; the stick may get stuck at pavement cracks of different objects.

2. Smart devices (eg: Vision a torch for blinds)- **Cannot be carried easily**, needs a lot of training to use

Solution:

To solve this problem we are going to make one of the best wearable technologies based innovative device which will detects nearby objects or obstacles and notify with buzzer & vibrators. This devices is called “**THIRD EYE FOR BLIND PERSON**” This technology will resolves all the problems of existing technologies. This device will help the blind to navigate without holding a stick. Simply wear it as a band or cloth and it can function very accurately and they only need a very little training to use it.

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Ultrasonic C

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Highlights

Branding Free Pr

- No Brand Name/ Projects
- 100% Working p
- Tested Project &

Documentation

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SKU: PH_EP_019



Price: ₹2,308.00 Original price was: ₹2,308.00. ₹1,362.00 Current price is: ₹1,362.00.

Stock: instock

Categories: [Arduino](#), [Engineering project](#), [Exhibition Models & Inspire Award](#), [Projects](#), [Technology & Innovation](#), [Wearable Technology](#)

Tags: [Arduino IDE download](#), [Arduino programming tutorial](#), [Arduino project for students](#), [Assistive technology for the visually impaired](#), [Audio feedback device](#), [Electrical engineering project](#), [Electronics engineering project](#), [Engineering student projects](#), [Exhibition project](#), [Obstacle detection device](#), [School project ideas](#), [Third Eye for the Blind](#), [Ultrasonic sensors](#), [Wearable technology](#)

Product Description

INTRODUCTION:

According to estimates from the World Health Organization (WHO) Prevention of Blindness and Deafness Program: About **285 million people** are visually impaired worldwide: 39 million are blind and 246 million have low vision. To solve this problem we are going to make one of the best wearable technologies based innovative device which will detects nearby objects or obstacles and notify with buzzer. This devices is called “**Ultrasonic Glasses for the Blind**” Ultrasonic glasses for the blind are a technological solution designed to assist individuals with visual impairments in navigating their surroundings more effectively. The glasses utilize ultrasonic sensors to detect obstacles in the environment and provide sensory feedback, such as vibrations or auditory cues, to help users avoid collisions. This technology aims to enhance the independence and safety of visually impaired individuals by improving their spatial awareness and reducing the risk of accidents.

PRACTICAL IMPLEMENTATION:

The practical implementation of ultrasonic glasses involves integrating ultrasonic sensors, microcontrollers (such as Arduino Nano), vibrating motors, and buzzers into a wearable device. The ultrasonic sensor detects objects in the user's path by emitting high-frequency sound waves and measuring the time it takes for the waves to bounce back. The Arduino Nano processes this information and triggers the appropriate feedback mechanism, such as vibrating

motors to provide tactile cues or buzzers to provide auditory cues. The glasses can be customized to suit individual preferences and needs. They can be designed as a standalone device or integrated into existing glasses frames. The practical implementation also includes optimizing the sensor range, sensitivity, and feedback intensity to ensure accurate obstacle detection and effective communication of information to the user.

MARKET NEED OF ULTRASONIC GLASSES FOR THE BLIND:

The market need for ultrasonic glasses arises from the challenges faced by visually impaired individuals in their daily lives. People with visual impairments often encounter difficulties in navigating unfamiliar environments, detecting obstacles, and maintaining a sense of spatial awareness. Traditional mobility aids, such as canes or guide dogs, have limitations and may not provide comprehensive assistance in obstacle avoidance.

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