Third Eye fo
Arduino-DIY

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Highlights

Branding Free Pr

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

Documentation

- Free Project Syn
- Printed Short Re
- Printable Soft co

Support

- Demo Video – **Er**
- Technical Suppo
- Get Discount Cou

Delivery Time

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

NOTE: This Kit Includes Pre-programmed Arduino Board you don't need to upload code until you have to change anything.
NOTE: This kit required soldering & circuit testing skills, buy this kit if you have good soldering skills, otherwise you can also buy 'ready to use' project for same topic.

Click Here to Buy Ready to Use Kit.
Read More

SKU: PH_EPK_001

Price: ₹3,000.00 Original price was: ₹3,000.00.₹1,299.00 Current price is: ₹1,299.00.

Stock: instock

Categories: Arduino, Engineering project kit (EPK), Hobby DIY kits, 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

Kit Includes :

- Electronic Parts (listed in product image)
- Circuit Diagram
- Project Code
- Printed Circuit Board (PCB)
- Printed Short Report

Prerequisite Requirements

Hardware :

1. Soldering Iron (Buy Now)
2. Soldering Paste (Buy Now)
3. Soldering Wire (Buy Now)
4. Soldering Stand (Buy Now)
5. Wire Cutter (Buy Now)
6. Screw Driver (Buy Now)

Software :

1. Arduino IDE (optional) - Download Now

Demo Video - How to Download Arduino IDE ?

Skills:

1. Arduino Programming (optional)
2. Soldering (Click Here for Free Tutorial)
3. Circuit Testing

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.

Download Free Project Synopsis

Working Video

Disclaimer:

This is a handmade complete working Models, Projects & Activity kits supported by rough study material to make a suitable projects report by the student. It is using Cardboard/Wooden base, Paper, Foam based board, stationary items, Electronic-Electrical Components, Mechanical & Scientific goods as per the requirement of a particular model. Colour of product and decoration item may be varying according to availability of material but we make ensure that we will deliver the product with same working, structure and dimensions as describe in product description section.