Third Eye for the Blind-Digital Bundle

Support

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

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SKU: PH_DG_009

Price: ₹500.00 Original price was: ₹500.00.₹49.00 Current price is: ₹49.00.

Stock: instock

Categories: [Digital Products](#), [Project Codes](#)

Product Description

Bundle Includes :

1. Synopsis
2. Circuit Diagram
3. Project Code
4. Printed Circuit Board - PCB
5. 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)](#)
7. Electronic Parts
   - [Arduino Nano (Buy Now)-1](#)
   - [Ultrasonic Module (Buy Now)- 1](#)
   - [Buzzer (Buy Now) - 1](#)
   - [Slide Switch (Buy Now)- 1](#)
   - [DC Socket (Buy Now)- 1](#)
   - [DC Pin (Buy Now)- 1](#)
   - [Resistor – 470 Ohm (Buy Now)-1](#)
   - [LED (Buy Now)- 1](#)
   - Printed Circuit Board - 1
   - [DC Battery 9V (Buy Now) - 1](#)
   - [Female Header (Buy Now)- 1](#)

Software :

1. Arduino IDE [- Download Now](#)

[Demo Video - How to Download Arduino IDE ?](#)

Skills:

1. PCB printing at Home
2. Soldering [(Click Here for Free Tutorial)](#)
3. Arduino Programming (optional)
4. Program uploading in Arduino
5. Circuit Testing

- **DO NOT CHANGE ANYTHING IN THE PROGRAM. ARDUINO CODES ARE CASE SENSITIVE, ON CHANGING OF SINGAL WORD CAN OCCUR COMPILING ERROR.**
- **COPY & PASTE PROGRAM INTO ARDUINO IDE**
- **DOWNLOAD ARDUINO IDE FROM [https://www.arduino.cc/en/software.](https://www.arduino.cc/en/software)**

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: