

# Third Eye for Glove

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## **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

#### Project Hub - For Innovative Bharat

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.



# Third Eye for Arduino

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#### **Documentation**

- Free Project Synopsis Embedded below
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- Printable Soft copy of Project Report

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#### **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\_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

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- 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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## **Working Video**

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# Third Eye for Arduino-DIY

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## Support

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**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.₹

<u>1,299.00</u>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.

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## **Download Free Project Synopsis**

## **Working Video**

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# Third Eye for Bundle

## Support

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**SKU:** PH DG 009

Price: ₹500.00 Original Current price is: ₹4

**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
  - o Arduino Nano (Buy Now)-1
  - Ultrasonic Module (Buy Now)- 1
  - ∘ Buzzer (Buy Now) 1
  - Slide Switch (Buy Now)- 1
  - ∘ DC Socket (Buy Now)- 1
  - o DC Pin (Buy Now)- 1
  - o Resistor 470 Ohm (Buy Now)-1
  - ∘ <u>LED (Buy Now)- 1</u>
  - o 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.

#### 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:**

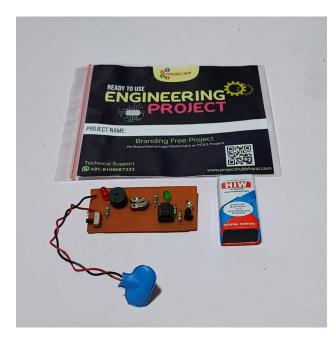
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## **Working Video:**



# **Touch less Handmade**

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**SKU:** PH\_EP\_023

**Price:** ₹416.00 Original price was: ₹416.00.₹245.00

Current price is: ₹245.00.

Stock: instock

Categories: Engineering project, IC & Transistor, Mini

Project, Projects

## **Product Description**

#### **INTRODUCTION:**

We all have a doorbell at our homes. When a guest comes to our house, they search for the doorbell switch and then ring it to let us know their presence. If who came to our house and unable to find doorbell, else person is so short then they cannot find the doorbell in this case we need a solution that can find the presence of a person and rings the doorbell automatically. Here we are making an object sensing based "**Touch Less Doorbell**" using infrared transceiver pair and some locally available components. It can detect the presence of a person and then if the person is detected, the doorbell is automatically turned ON when the person is in-front of the door. The touchless doorbell project is designed to provide a contactless alternative for ringing doorbells, eliminating the need for physical buttons or switches. This project employs the LM358 IC, an IR receiver and transmitter pair, and a 10k preset. By utilizing infrared technology, the system detects hand gestures and triggers the doorbell, enhancing convenience and hygiene.

#### AIM:

The aim of this project is to develop a touchless doorbell system that enables users to ring the doorbell without physical contact. By using hand gestures to activate the doorbell, this project promotes cleanliness, especially in public spaces where multiple people may use the doorbell.

#### **PRINCIPLE:**

The touchless doorbell project operates on the principle of infrared sensing. Infrared light is

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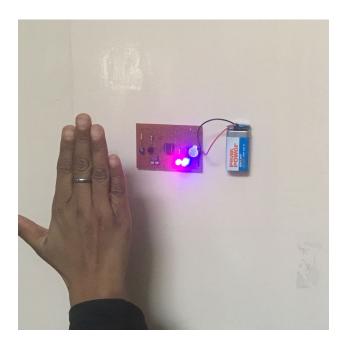
emitted by the IR transmitter and detected by the IR receiver. When an object, such as a hand, interrupts the infrared beam between the transmitter and receiver, the system recognizes the gesture and activates the doorbell.

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# Touch less Sensor

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**SKU:** PH\_EP\_090

**Price:** ₹400.00 Original price was: ₹400.00.₹236.00

Current price is: ₹236.00.

**Stock:** instock

Categories: Engineering project, Exhibition Models & Inspire Award, IC & Transistor, Mini Project, Projects,

Security, Technology & Innovation

Tags: Arduino Project, Contactless Doorbell, DIY electronics, Home Automation, Home Security, Infrared Motion Detection, Internet of Things (IoT), Sensor Technology, Smart Home Project, Touch-Free Doorbell, Touchless Doorbell, Wireless Doorbell

## **Product Description**

#### Introduction:

We all have a doorbell at our homes. When a guest comes to our house, they search for the doorbell switch and then ring it to let us know their presence. If who came to our house and unable to find doorbell, else person is so short then they cannot find the doorbell in this case we need a solution that can find the presence of a person and rings the doorbell automatically. Here we are making an object sensing based "**Touch Less Doorbell**" using infrared transceiver pair and some locally available components. It can detect the presence of a person and then if the person is detected, the doorbell is automatically turned ON when the person is in-front of the door. The touchless doorbell project is designed to provide a contactless alternative for ringing doorbells, eliminating the need for physical buttons or switches. This project employs the LM358 IC, an IR receiver and transmitter pair, and a 10k preset. By utilizing infrared technology, the system detects hand gestures and triggers the doorbell, enhancing convenience and hygiene.

#### Aim:

The aim of this project is to develop a touchless doorbell system that enables users to ring the doorbell without physical contact. By using hand gestures to activate the doorbell, this project promotes cleanliness, especially in public spaces where multiple people may use the doorbell.

## **Principle:**

The touchless doorbell project operates on the principle of infrared sensing. Infrared light is emitted by the IR transmitter and detected by the IR receiver. When an object, such as a hand, interrupts the infrared beam between the transmitter and receiver, the system recognizes the gesture and activates the doorbell.

## **Download Free Project Synopsis**

## **Working Video**

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# Touch less of Sensor- DIY

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Click Here to Buy R Read More SKU: PH\_EPK\_090

**Price:** ₹400.00 Original price was: ₹400.00.₹350.00

Current price is: ₹350.00.

**Stock:** instock

Categories: Hobby DIY kits, IC & TRANSISTOR

Tags: Arduino Project, Contactless Doorbell, DIY

electronics, Home Automation, Home Security, Infrared

Motion Detection, Internet of Things (IoT), Sensor

Technology, Smart Home Project, Touch-Free Doorbell,

Touchless Doorbell, Wireless Doorbell

## **Product Description**

#### Kit Includes:

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

## **Prerequisite Requirements**

#### **Hardware:**

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- 2. Soldering Paste (Buy Now )
- 3. Soldering Wire (Buy Now )
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- 6. Screw Driver (Buy Now)

## Skills:

- 1. Soldering (Click Here for Free Tutorial)
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## Introduction:

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## **Working Video**

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# **Transparent Hot Melt Glue Stick for Glue Gun - 1 Piece**

Read More

**SKU:** PH TI 013

**Price:** ₹25.00 Original price was: ₹25.00.₹15.00

Current price is: ₹15.00.

Stock: instock

Categories: Art & Craft Material, Electronic Lab, Tools

& Laboratory Instruments

## **Product Description**

Glue sticks are solid adhesives in a twist or push-up tubes. The user can apply glue by holding the open tube, thus keeping their fingers clean. Because of their ease of use, and their economic value, glue sticks are a popular school and office supply. Glue sticks are designed to glue paper and card together and are not as strong as some liquid-based variants.

#### Features:

- High transparency brings a good look at the join position.
- Being colorless and odorless makes a comfortable working environment.
- Long open time improves application flexibility.
- Versatile for a wide range of substrates.

## **Applications:**

- · Used in school or office.
- And many more.
- \* Product Images are shown for illustrative purposes only and may differ from actual product.



# TV Remote Appliances

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**SKU:** PH\_EP\_032

**Price:** ₹1,248.00 Original price was: ₹1,248.00.₹

736.00Current price is: ₹736.00.

**Stock:** instock

Categories: Engineering project, IC & Transistor,

**Projects** 

Tags: Bluetooth-Enabled Appliances, Home
Automation Devices, Remote-Controlled Cleaning
Appliances, Remote-Controlled Gadgets, RemoteControlled Kitchen Appliances, Remote-Enabled
Household Appliances, Remote-Operated Climate
Control, Remote-Operated Home Gadgets, Smart
Home Devices, Smart Home Entertainment, Smart TV
Compatible Appliances, TV Remote Compatible
Appliances, TV Remote Control Appliances, TV Remote
Control Electronics, Voice-Controlled Home Appliances,
Wireless Remote Appliances

## **Product Description**

#### **ABSTRACT:**

This project aims to control home appliances remotely using a TV remote, IC 4017, and relay module. The project utilizes the principle of infrared (IR) communication to receive signals from a TV remote and decode them to control various household appliances. The IC 4017 acts as a decade counter to sequence through different appliances, while the relay used for switching the appliances on and off. This project provides a cost-effective and efficient solution for remote appliance control without the need for complex microcontrollers like Arduino.

#### INTRODUCTION:

In this project, we explore the design and implementation of a TV remote-controlled system for home appliances. The system is designed to offer convenience and ease of use by allowing users to control multiple appliances using a single remote control.

#### AIM:

The main objective of this project is to develop a TV remote-controlled system that can remotely operate home appliances. The system should be able to receive IR signals from a TV remote control, decode them to identify the desired command, and trigger the appropriate appliance using IC 4017, PNP transistor, TSOP sensor, and relay module.

#### **APPLICATION:**

- Home automation: Control lights, fans, air conditioners, etc., with a TV remote control.
- Energy efficiency: Conveniently switch off appliances when not in use, reducing energy consumption.
- Accessibility: Enables individuals with mobility issues to control appliances without physical interaction.

#### **Download Free Project Synopsis**

#### **Working Video**

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# TV Remote Appliances-

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## **Highlights**

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#### **Documentation**

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**SKU:** PH\_EPK\_032

**Price:** ₹1,100.00 Original price was: ₹1,100.00.₹

<u>649.00</u>Current price is: ₹649.00.

Stock: instock

Categories: Engineering project kit (EPK), Hobby DIY

kits, IC & TRANSISTOR

Tags: Bluetooth-Enabled Appliances, Home
Automation Devices, Remote-Controlled Cleaning
Appliances, Remote-Controlled Gadgets, RemoteControlled Kitchen Appliances, Remote-Enabled
Household Appliances, Remote-Operated Climate
Control, Remote-Operated Home Gadgets, Smart

Home Devices, Smart Home Entertainment, Smart TV
Compatible Appliances, TV Remote Compatible
Appliances, TV Remote Control Appliances, TV Remote
Control Electronics, Voice-Controlled Home Appliances,
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- 4. Soldering Stand (Buy Now)
- 5. Wire Cutter (Buy Now)
- 6. Screw Driver (Buy Now)

#### **Skills:**

- 1. Soldering (Click Here for Free Tutorial)
- 2. Circuit Testing

#### **ABSTRACT:**

This project aims to control home appliances remotely using a TV remote, IC 4017, and relay module. The project utilizes the principle of infrared (IR) communication to receive signals from a TV remote and decode them to control various household appliances. The IC 4017 acts as a decade counter to sequence through different appliances, while the relay used for switching the appliances on and off. This project provides a cost-effective and efficient solution for remote appliance control without the need for complex microcontrollers like Arduino.

#### **INTRODUCTION:**

In this project, we explore the design and implementation of a TV remote-controlled system for home appliances. The system is designed to offer convenience and ease of use by allowing users to control multiple appliances using a single remote control.

#### AIM:

The main objective of this project is to develop a TV remote-controlled system that can remotely operate home appliances. The system should be able to receive IR signals from a TV remote control, decode them to identify the desired command, and trigger the appropriate appliance using IC 4017, PNP transistor, TSOP sensor, and relay module. **APPLICATION:** 

- Home automation: Control lights, fans, air conditioners, etc., with a TV remote control.
- Energy efficiency: Conveniently switch off appliances when not in use, reducing energy consumption.
- Accessibility: Enables individuals with mobility issues to control appliances without physical interaction.

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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

#### Project Hub - For Innovative Bharat

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:

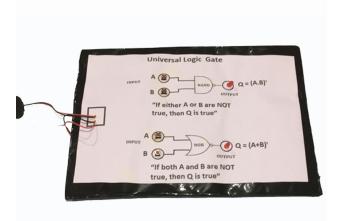
The market need for ultrasonic glasses arises from the challenges faced by visually impaired individuals in their daily lives. People with visual impairments often encounter difficulties in navigating unfamiliar environments, detecting obstacles, and maintaining a sense of spatial awareness. Traditional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

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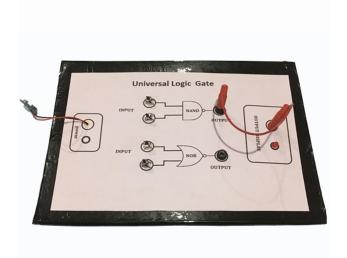
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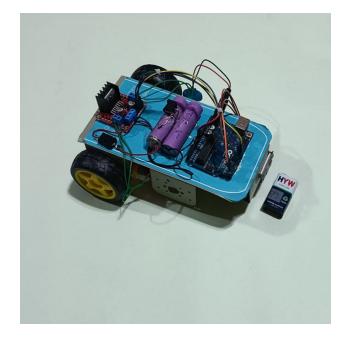
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## Water Level Indicator || Water Overflow Alarm On Board

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Categories: Android / Smartphone Controlled, Engineering project, IOT, NodeMCU, Projects

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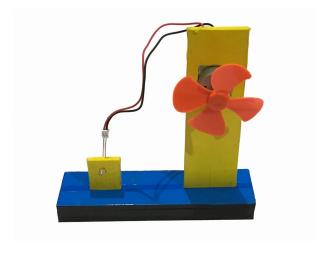
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Categories: Hobby DIY kits, Science Project kit (SPK)

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