# Anti-Sleep a
# safety - DIY

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## Highlights

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### Documentation

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

### Support

- Demo Video – **E**
- Technical Suppo
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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.

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**Click Here to Buy Ready to Use Kit.**
Read More

**SKU:** PH_EPK_135

**Price:** ~~₹3,000.00~~ Original price was: ₹3,000.00.₹ 1,499.00Current price is: ₹1,499.00.

**Stock:** instock

**Categories:** Arduino, Engineering project kit (EPK), Exhibition Models & Inspire Award, Technology & Innovation, Transport

## 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

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## ABSTRACT:

Creating an anti-sleep alarm with driver safety using an Arduino Uno involves building a system that can detect signs of drowsiness or inattentiveness in a driver and alert them to stay awake and focused. One common approach is to monitor the driver's eye movements and sound an alarm if signs of fatigue are detected. Here's a simplified overview of how you can create such a system

## INTRODUCTION:

In an era where long commutes and extended road trips have become a common part of our lives, the issue of driver fatigue and drowsiness is a significant concern. Drowsy driving can lead to accidents with serious consequences. To address this critical safety concern, we have developed an Anti-Sleep Alarm system using an Arduino Uno SMD, an eye blink sensor, a 5V relay module, a BO motor, wheels, a buzzer, a 1-watt red LED, a 9V SMPS, and a 9V battery.

## AIM:

The primary objective of this project is to create a robust and cost-effective system that detects signs of drowsiness or inattention in a driver and promptly alerts them to stay awake and focused. The Anti-Sleep Alarm system is designed to enhance driver safety during long journeys and late-night drives.

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## Download Free Project Synopsis

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## Working Video

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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,

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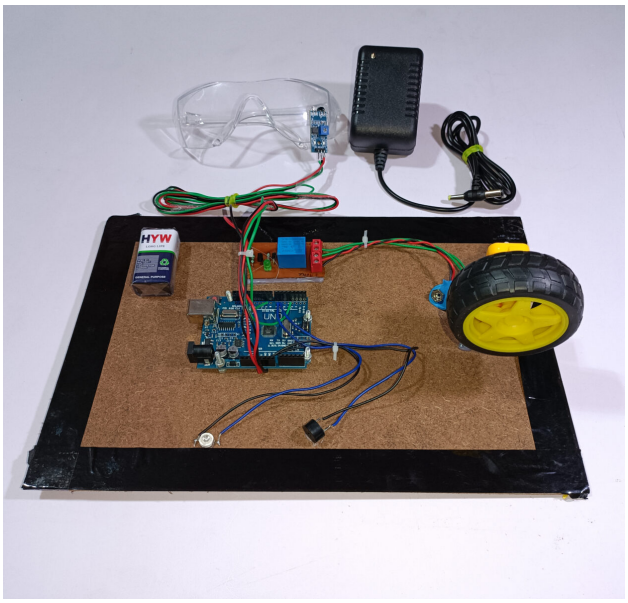

# Anti-Sleep a safety using

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### Support

- Demo Video – **Embedded below**
- Technical Support – WhatsApp@9109087333
- Get Discount Coupon

Click Here to Buy Do It Yourself Kit
Read More

**SKU:** PH_EP_135

**Price:** ~~₹3,008.00~~ Original price was: ₹3,008.00.₹ 1,775.00Current price is: ₹1,775.00.

**Stock:** instock

**Categories:** Arduino, Engineering project, Exhibition Models & Inspire Award, Mechatronics, Projects, Technology & Innovation, Transport

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# Parking Lot

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### 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.)

Read More

**SKU:** PH_EP_018

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

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## 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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## Download Free Project Synopsis

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## Working Video

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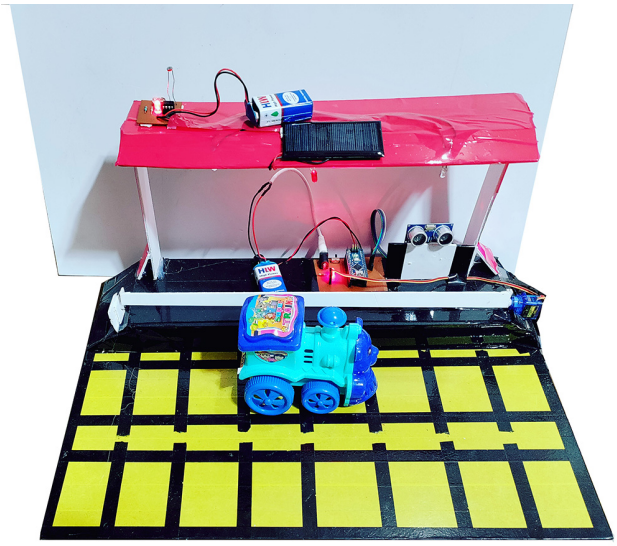

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### Documentation

- Free Project Synopsis – ***Embedded below***
- Printed instruction booklet

### Support

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- Technical Support – WhatsApp@9109087333
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Read More

**SKU:** PH_SEM_29

**Price:**

**Stock:** instock

**Categories:** Arduino, Engineering project, Exhibition Models & Inspire Award, Projects, Security, Technology & Innovation, Transport

**Tags:** school science project, science exhibition model , security system

### Product Description

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