Anti-Sleep a
safety - DIY

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Highlights

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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_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

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.

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.

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

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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
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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_018

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Stock: instock

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

Product Description

<h2 style="color:red; text-align:center">Parking Lot Gate Controller with Capacity Counter using 7 Segment Display / slot based parking lot</h2>

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.

Download Free Project Synopsis

Working Video
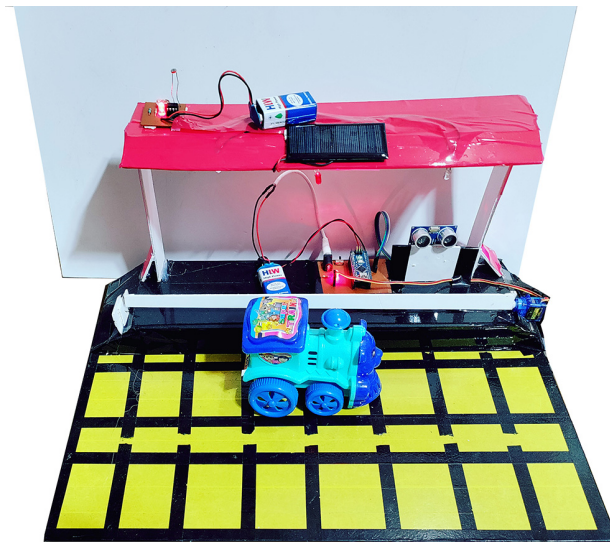
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Documentation

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

Support

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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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Working Video

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