



## Anti-Sleep and safety - DIY

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### Highlights

#### Branding Free Project

- No Brand Name/Logo on Projects
- 100% Working project
- Tested Project & Components

#### Documentation

- Free Project Synthesis
- Printed Short Report
- Printable Soft copy

#### Support

- Demo Video – [English](#)
- Technical Support
- [Get Discount Coupon](#)

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**NOTE:** This Kit Includes all components, you don't need to upload code.

**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. ₹1,499.00 Current price is: ₹1,499.00.

**Stock:** instock

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

**Tags:** [arduino](#), [bo motor](#), [driver safety](#), [electricals](#), [Electronics](#), [engineering](#), [eye blink sensor](#), [home made project](#), [Inspire Award project](#), [mechanical](#), [mechatronic](#), [motor](#), [new technology](#), [Project hub](#), [relay module](#), [road safety](#), [science exhibition model](#)

## 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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**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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