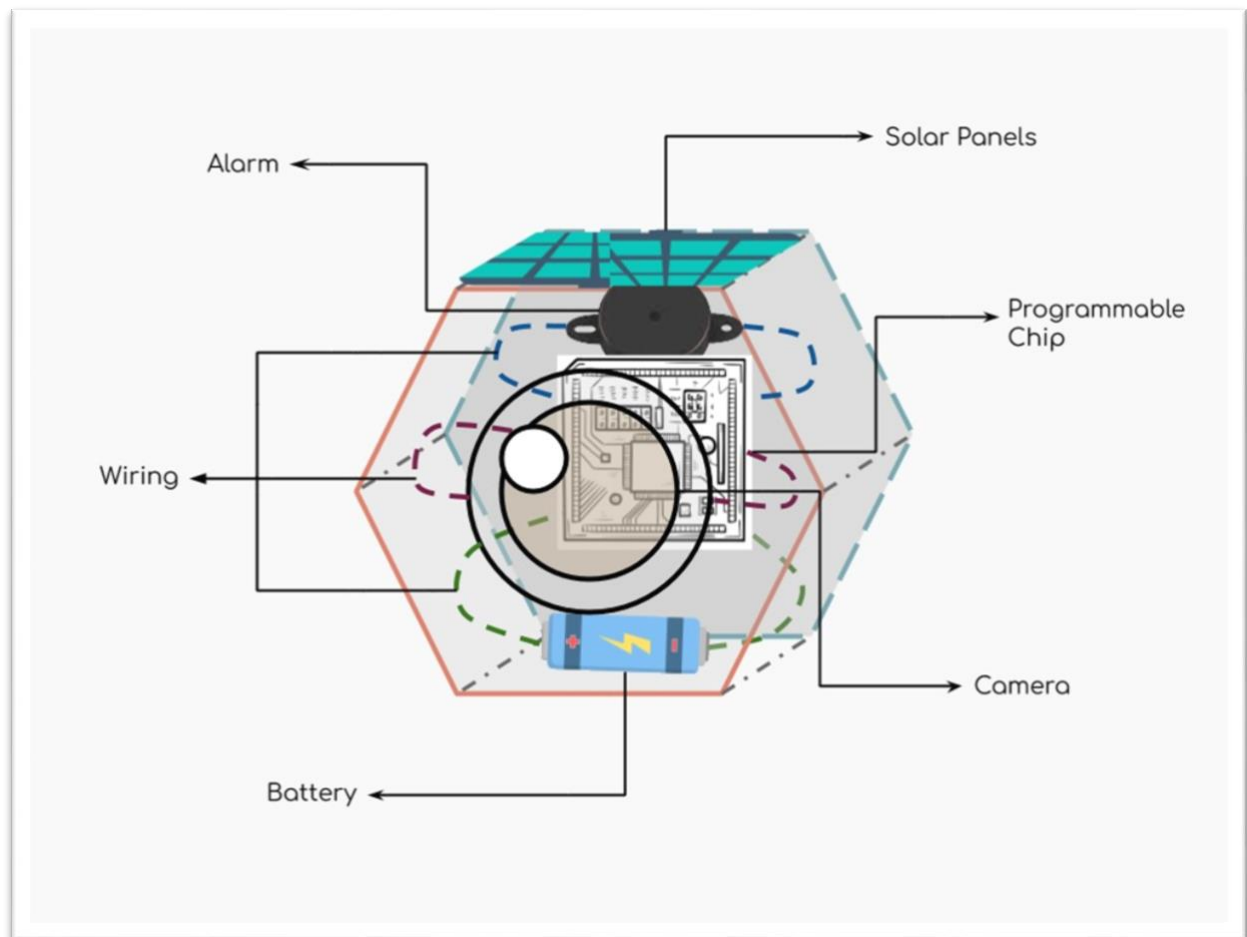


HEXADRIVE

In modern-times, owing to hectic schedules it becomes very difficult to remain active all the time. Often , people fall asleep on the wheel which can lead to serious consequences, there can be accidents and many may even lose their lives. This situation is much more common than we know and hence, it is very important to counter this problem. So to address this issue, we have come up with a solution, Hexadrive.

The HexaDrive works on the basis of a program that identifies whether the driver is alert or dozing using a camera. On the basis of it's observation it starts giving out a buzzing alarm which automatically stops when the driver is alert once more. It even has a compact and unique hexagonal design which allows it to be placed on the dashboard without obstructing the driver's view.

MATERIALS REQUIRED

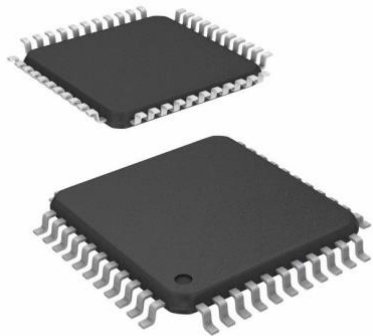


1) Processor:

MICROCHIP: ATXMEGA32A4U-AU programable processor

Available website: iodParts.com

PRICING: RUPEES 148.4



2) Alarm:

Piezo Electronic Buzzer Beep Alarm Bell Continuous Sound 3v-24v Buzzer Electromagnetic

Available website: ROBU.IN

PRICING: Rupees 49



3) Wires:

Copper wire

Available website: amazon.in

Pricing: Rupees 875.00



4) Camera:

OV7670 Camera Module

Available Website: electronicscomp.com

Pricing: Rupees 185



5) Solar panel:

Electronicspices Wire Attached mini solar panels Solar Panel

Available website: [flipkart.com](https://www.flipkart.com)

Pricing: rupees 60 per piece



6) Battery:

GP AA Battery Cell 1.5V

Available website: [Makerwear.in](https://www.makerwear.in)

Pricing: Rupees 12



7) Battery holder:

AA battery Holder for 2 AA Cell

Available website: roboelements.com

Pricing: Rupees 25



8) 3D Printer:

Creality Ender 3 3d printer - 220x220x250mm Printing Size - Power Resume Function - MK10

Extruder - 1.75mm - 0.4mm Nozzle

Available Website: flyrobo.in

Pricing: Rupees 16,999

Requirement: 3



9) 3D Printer:

3d print shoppy 3DPSPFS005 Printer Filament (Multicolor)

Available website: flipkart.com

Pricing: Rupees 299



10) Human labour:

Cost: Rupees 13,000 per month

11) Switch:

16A 250V AC DPST ON-OFF Rocker Switch -2pcs

Available website: robu.in

Pricing: Rupees 79

