

# General Information Page

## HexaDrive

### About

In modern-times, owing to hectic schedules it becomes very difficult to remain active all the time. Imagine a situation where a person is driving home from work, dead tired after facing all the challenges of the day. His hands are on the wheel and foot on the pedal but suddenly he starts feeling drowsy, his eyes start shutting and his vision blurs and before he knows it, he's asleep. Falling asleep on the wheel can lead to serious consequences, there may be accidents and people 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.

### Benefits

1. Works on Solar Energy
2. Uses Bioplastic
3. Prevents road accidents
4. Helps build a safer community
5. Easy to install
6. No battery necessary
7. Compact and unique hexagonal design

### Working

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 will start to give out a buzzing alarm which automatically stops when the driver is alert once more. The circuit consists of a camera, integrated chip, buzzer, solar panel and switch. A battery holder is available for use if enough solar energy isn't generated. The HexaDrive has a compact and unique hexagonal design which allows it to be placed on the dashboard without obstructing the driver's view.