Hexadrive- Driving to a better future

Everyone knows about the alarms that wake us up each morning, but have you heard of alarms that can keep us awake while we're driving? Introducing HexaDrive. It is a gadget to keep drivers awake if they fall asleep while driving. Falling asleep on the wheel can lead to serious consequences - there can be accidents which may even be fatal. This situation is much more common than we know; whether driving early morning, late night or on an empty road.

In 2018, it is estimated that about 91,000 police-reported crashes involved drowsy drivers. These crashes led to about 50,000 people being injured and nearly 800 deaths. The goal of our application is to develop a device that can detect the drowsiness of the driver and make the alarm ring instantly.

HexaDrive is made of bioplastic and uses solar energy.
Bioplastic is a biodegradable material that comes from renewable sources and reduces the problem of plastic waste that is suffocating the planet and contaminating the environment. It is also less toxic than normal plastic as it does not contain bisphenol A (BPA), which is a major concern because of its health effects on the brain and prostate gland of fetuses, infants and children.

This device is also solar-powered and therefore environmentally-friendly. Solar energy is renewable and is a clean source of electricity. Recently, the world has started moving towards solar power, and within two decades, it may be the only source of energy. It also has a low maintenance cost. By using solar energy we reduce the amount of fossil fuels being consumed and save it for the future generations. Additionally, it also causes no pollution.

Burning fossil fuels fills the air with harmful pollutants which not only affects the local climate but is one of the main causes of global warming. It is also causing illnesses among the people who try to clean it up and live in the surrounding area.

Our gadget will help make driving long distances safer and will even prevent accidents, thus building a safer community. Furthermore, it is affordable and environmentally-friendly.