

NAME: ODETOLA AYOMIDE MARVELOUS

**SCHOOL: GRACEFIELD INTERNATIONAL ACADEMY OROAZI-
ELIGBAM ROAD, PORT-HARCOURT, RIVERS STATE**

CLASS: J.S.S.1

TOPIC: “If I Could Invent Something New”

If I could invent something new, it would be fictional for a particular purpose. It would be very beneficiary to mankind as it will help in their daily activities.

If I had the chance to invent something new, it would be an electromagnetic device which could be installed on vehicles to reduce the rate of accidents due to collision in the World especially in our society where there are so many reckless drivers.

There were over 5,000 crashes in 2023 according to the National Bureau of Statistics (NBS). The last two quarters of 2023, the NBS recorded a total of 2,717 road accidents in Q4 2023, showing an increase of 24.23 percent from Q3 2023, which saw 2,187 car crashes. Having this result year in, year out for like say 10 years shows a disturbing trend which seriously calls for concern as many deaths were recorded which to me could be avoided. Moreover, my involvement in a minor clash on my way to the school few years ago really got my thinking too. Car accidents are likely to result in severe injuries, medical expenses, traumatic brain injuries, and amputations and loss of lives.

These injuries can impact a person's health and well-being, leading to long-term disabilities and reduced mobility.

This innovation could be called “Anti-Collision System using electromagnetic sensors from the basic principles of magnetism where unlike poles repel. Electromagnetic anti-collision device is used in order to avoid vehicular collision such as head to head collision , head to back collision and sideways collision by automatically coming on at a predetermined distance between two vehicles. The main objective of this invention is to drastically

reduce road crashes due to collisions or mitigate the direct collision impact between colliding vehicles and this process is related to transportation safety techniques.

The main components of this process invention are permanent magnets which a repulsive force field through their like poles. The process of the magnetic repulsive force is to eliminate vehicular collision.

The idea of permanent magnets mounted to be covered by insulate material on all side of the vehicle but the one operable outside in a linear direction of the object's movement that interacts with another outside creating a repulsive magnetic field on the verge of collisions.

In conclusion, If I'm given the chance to invent this electro- magnetic device which will be for the good of the people, it will surely reduce the rate of road accidents, airline accidents, rail accidents, and marine accident. This invention will also give a free installation of the electromagnetic device in cars, ships, trains and airplanes which will make the road 97% safe for all road users if the traffic rules and regulations are duly obeyed by the citizens of Nigeria which will in turn make Nigeria a better place for all.

To achieve this, I'll work hard and read my books. Thank you.