

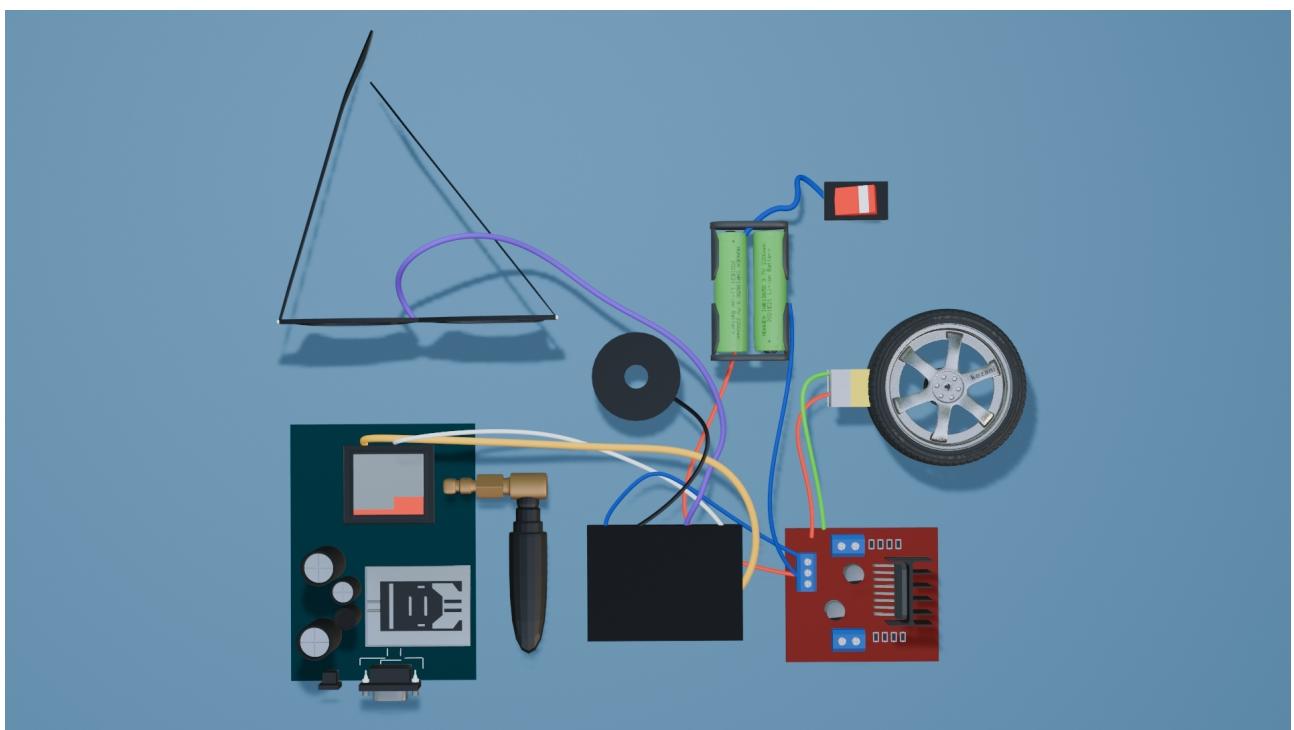
ABSTRACT

The Smart Accident Prevention System leverages advanced technology to enhance road safety. By continuously monitoring driver behaviour and vehicle conditions, the system can identify potential hazards such as driver fatigue, speeding, and imminent collisions. This proactive approach allows for timely alerts, enabling drivers to adjust their behaviour and avoid accidents. In critical situations, the system can even intervene autonomously, such as by reducing vehicle speed to prevent a collision. Beyond accident prevention, the system contributes to improved road safety by providing valuable data for identifying high-risk areas and informing future road planning initiatives.

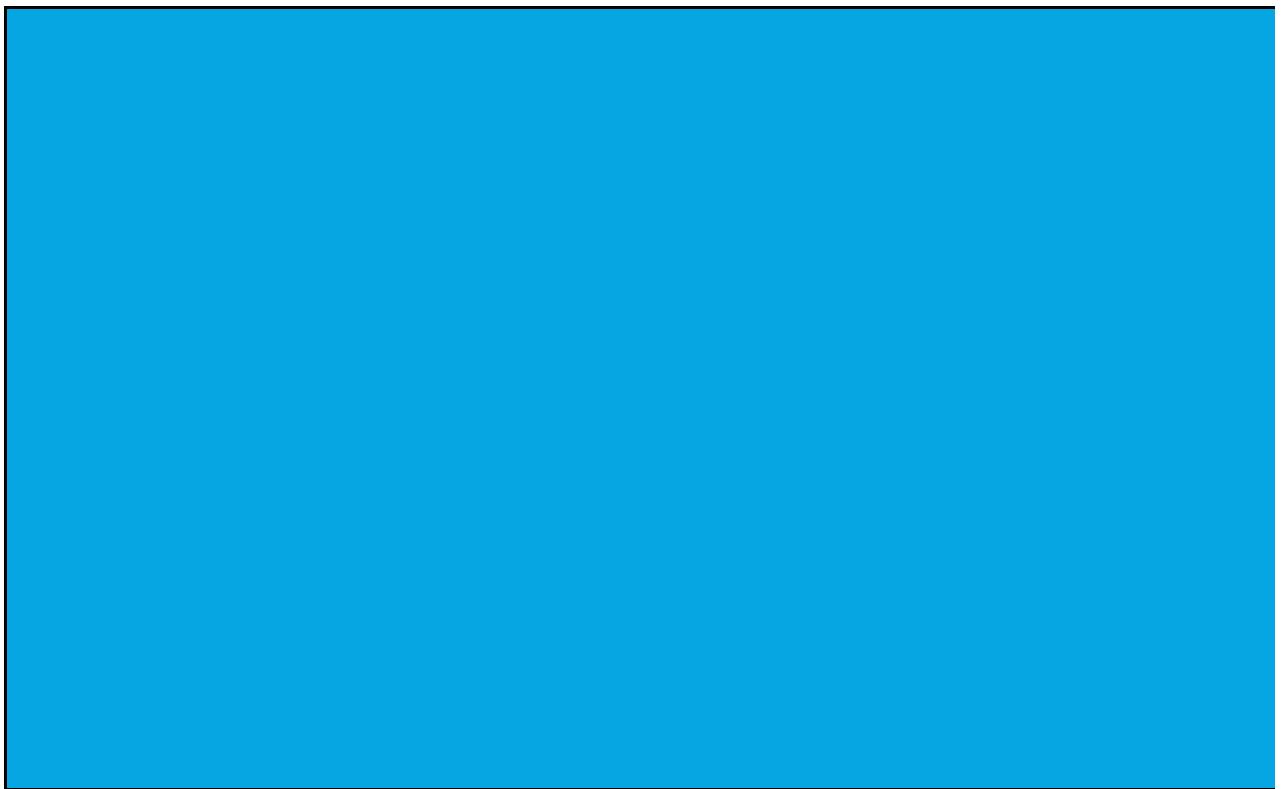
A Tiny GPS tracking system provides real-time vehicle location data, enabling precise monitoring and rapid emergency response. In the event of an accident, a built-in SIM800A GSM/GPRS module automatically sends emergency SMS alerts to pre-defined contacts and emergency services, including the vehicle's location coordinates .

3D Model

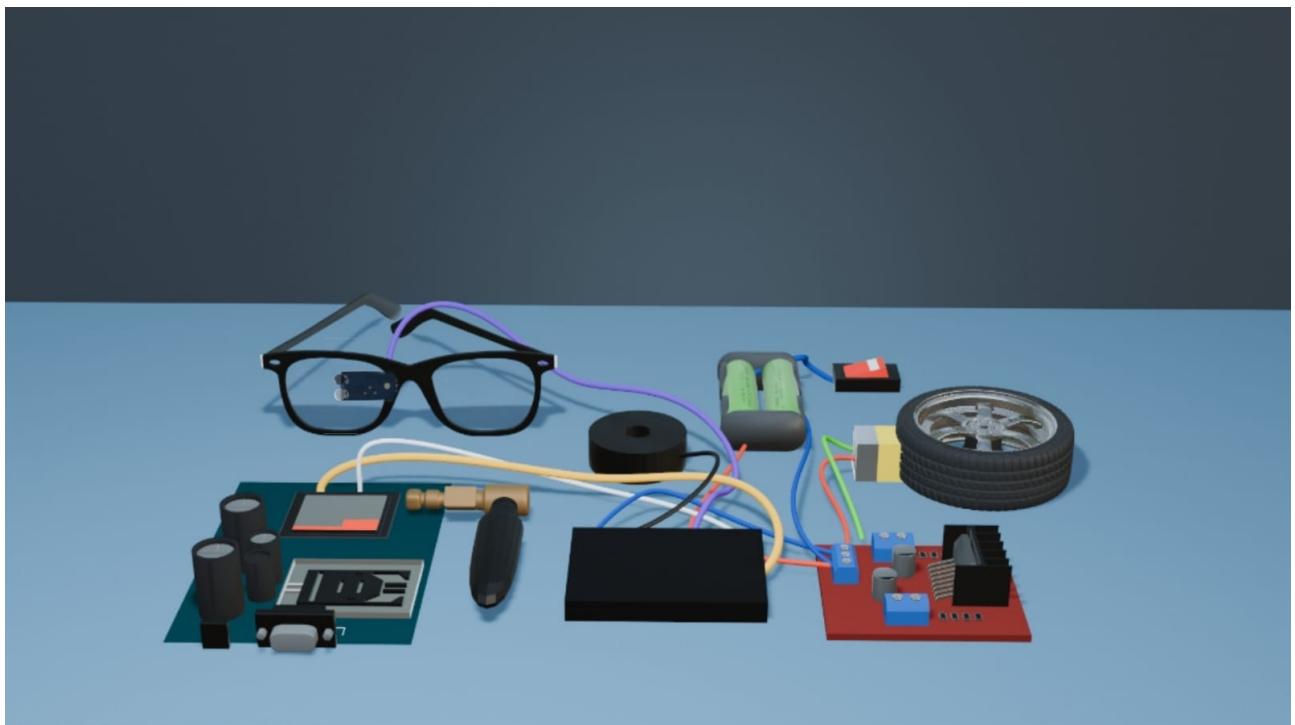
Top View :-



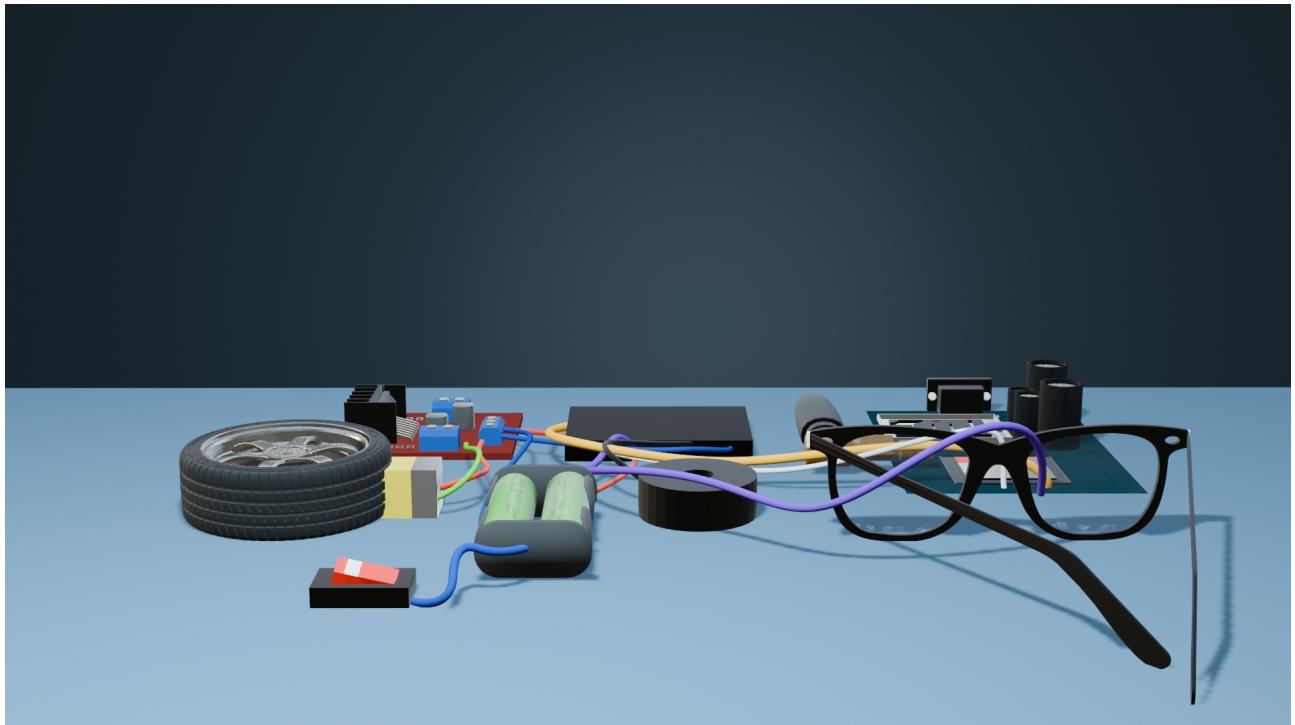
Bottom View :-



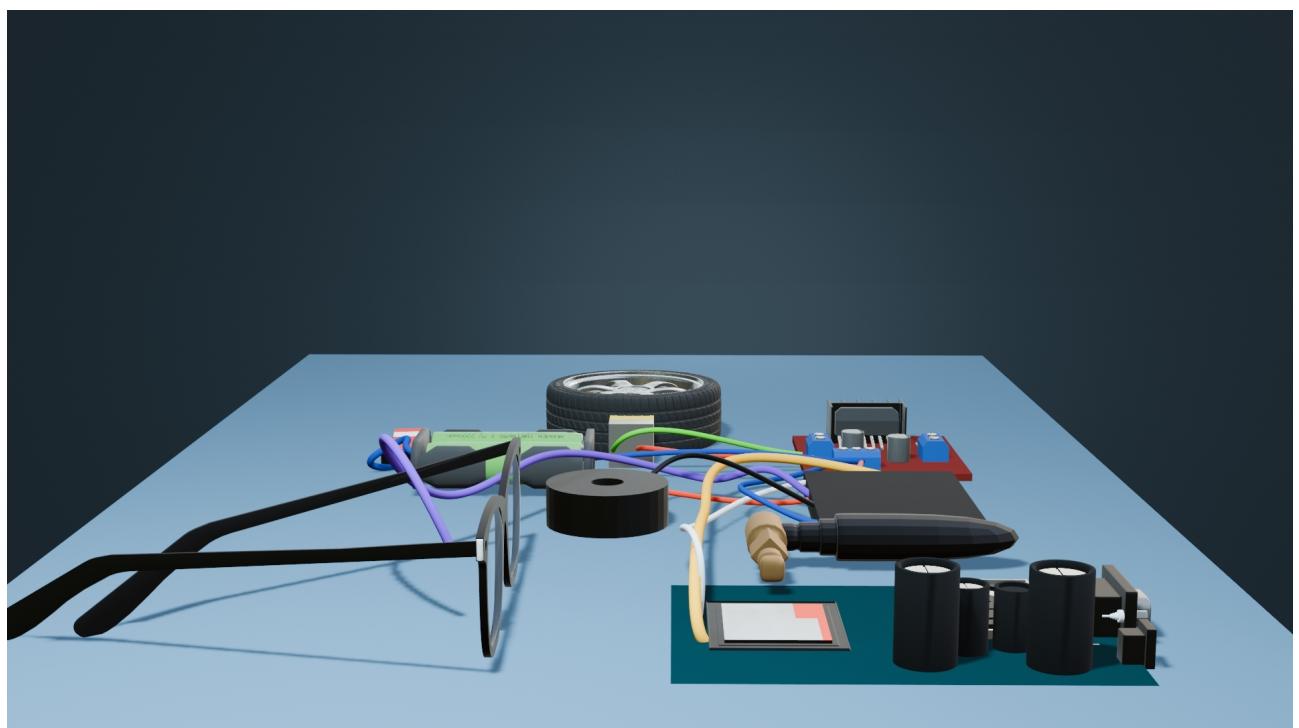
Front View :-



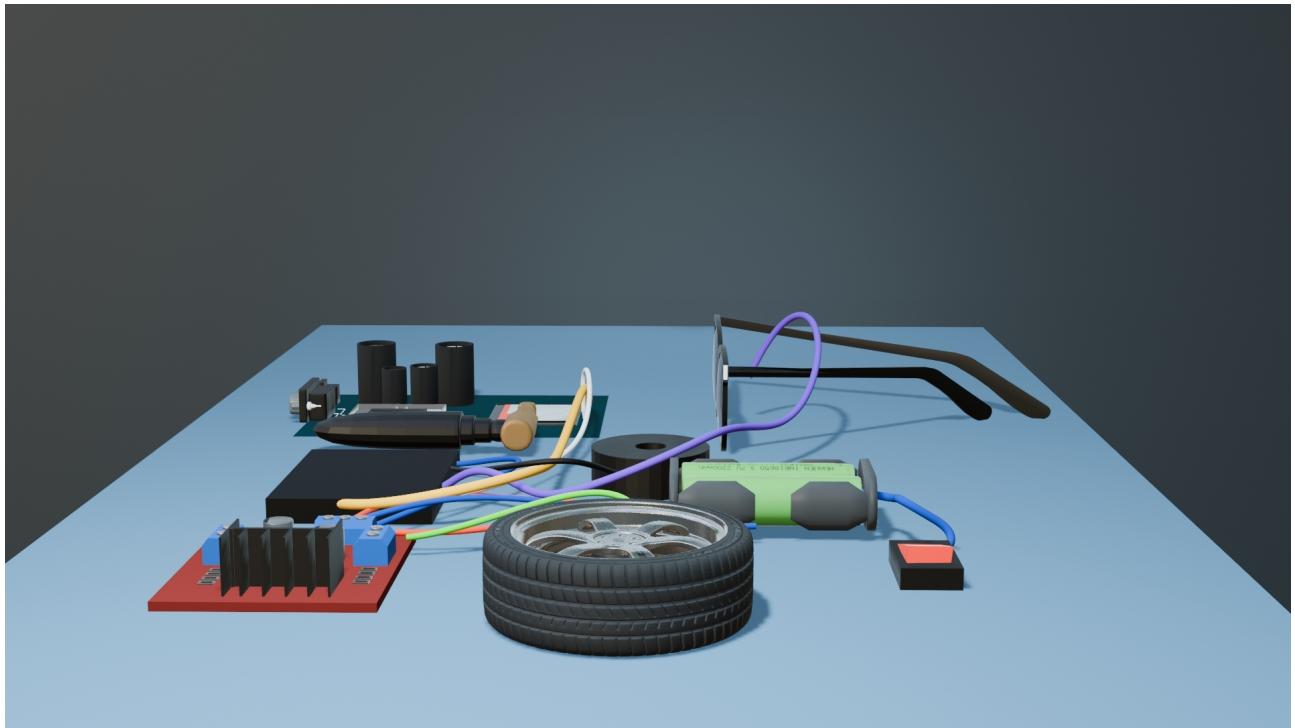
Back View :-



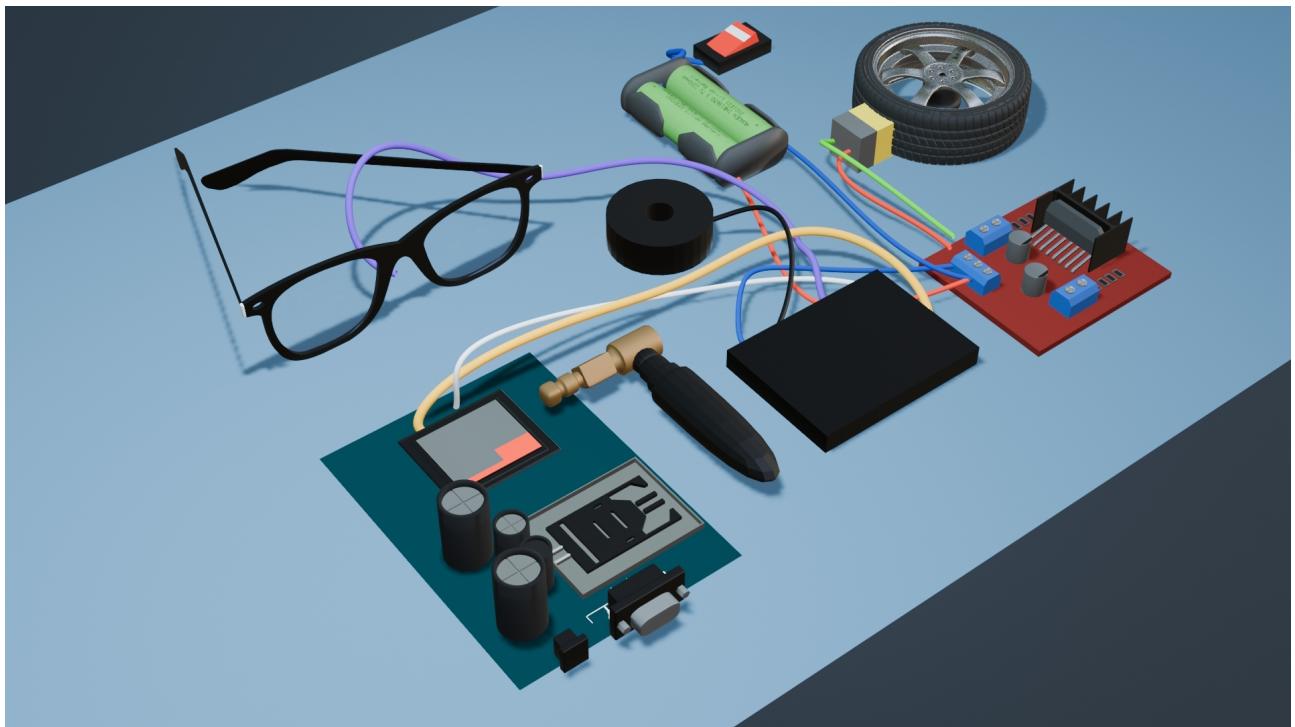
Left View :-



Right view



Isometric Right



Isometric Left

