

19AUO320 RECENT TRENDS IN AUTOMOBILE

UNIT 1 - Collision Avoidance System

- A **collision avoidance system** is a motorcar safety system designed to prevent or reduce the severity of a collision.
- Collision avoidance systems use sensors and radar to monitor the vehicle's surroundings and can autonomously apply brakes or provide warnings to the driver in the event of an imminent collision, helping to mitigate or prevent accidents
- Collision avoidance systems, includes radar, cameras, enable real-time detection of potential collisions.
- Automated emergency braking systems respond swiftly to imminent dangers by applying brakes autonomously.
- Additionally, forward-collision warning systems provide alerts to drivers, allowing them to react promptly.
- The integration of artificial intelligence further refines these systems, continuously improving their accuracy and effectiveness
-