In Case of any Accident and Emergency in Areas Where there is No people the Advance version of SOS in the car notify to the nearby Cyber cell with the help of SOS system.









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In Case of any Accident and Emergency in Areas Where there is No people the Advance version of SOS in the car notify to the nearby Cyber cell with the help of SOS system.

HOW ACCIDENT WILL BE DONE?

HUMAN ERROR:

Accidents often happen due to mistakes or poor judgment, like distracted driving, miscommunication, or bad decisions. This is usually the most common cause of accidents.

ENVIRONMENTAL CONDITIONS:

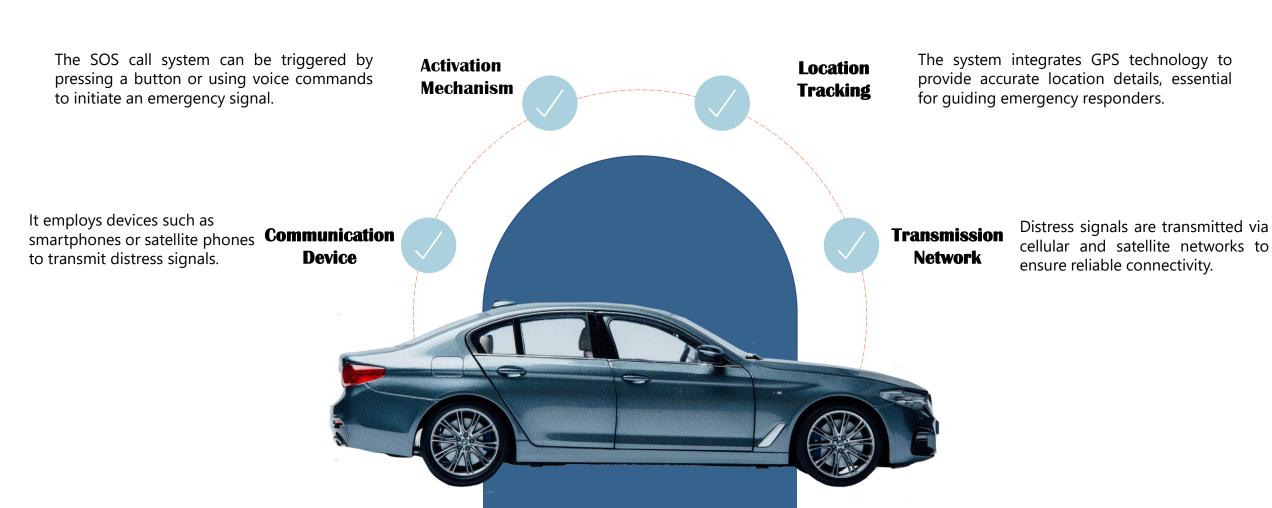
Factors like bad weather (rain, fog, ice), poor lighting, or hazardous road conditions can make accidents more likely. These conditions can reduce visibility or traction, increasing the risk.

Mechanical Failure: Problems with vehicles or equipment, like brake failure or tire issues.

External Factors: Uncontrolled elements such as other drivers' actions, wildlife, or road hazards



SOS OVERVIEW:



HOW ADVANCE SOS WORKS?

- → SOS Call: Sends an emergency distress signal when needed.
- → Detailed Info: Shares text and video about the vehicle occupants' condition.
- → Cyber Verification: Cyber unit checks if the SOS signal is genuine to avoid false alarms.
- → Emergency Alerts: Sends information to police and hospitals if the situation is serious.
- → Quick Response: Helps emergency services make fast and informed decisions.



COPS

COPS (commender Online Platform System) concept enhances emergency response by fostering interagency collaboration and real-time information sharing. It ensures streamlined deployment of resources and unified management of incidents. By integrating efforts across public safety agencies, COPS aims to improve efficiency, effectiveness, and overall public safety outcomes.



INSTALLATION OF ADVANCE SOS:



SOS systems are integrated into vehicles via a factory-installed telematics unit and a dedicated button, enabling the transmission of emergency signals and location data. Activation generally requires a subscription or service plan to ensure functionality.

The 'overhead console' is ideal for a 360-degree camera, offering central, unobstructed interior coverage and minimal disruption, and in 'review mirror' showing all the member travelling in the car.

Pressing the SOS button sends a distress signal with location and vehicle data to emergency services via a telematics provider, ensuring prompt and verified assistance.



Pressing the SOS button triggers an emergency alert that transmits location and vehicle data to emergency services for immediate and verified assistance.

WHERE WILL BE IMPLEMENTED

CARS

- Telematics Control Unit (TCU):
- Onboard Sensors and Connectivity Modules:
- Infotainment System Interface:
- Vehicle Wiring and Power Supply

BUSES

- Telematics Control Unit (TCU):
- Onboard Sensors and Connectivity Modules:
- Infotainment System Interface:
- Vehicle Wiring and Power Supply

GOODS VEHICLES

- Telematics Control Unit (TCU):
- Onboard Sensors and Connectivity Modules:
- Infotainment System Interface:
- Vehicle Wiring and Power Supply







Benefits:

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1. Enhanced Safety: Automatically alerts emergency services in critical situations, improving response times.

2. Improved Response: Provides real-time data on location and crash severity to emergency responders.

3. Driver Assistance: Allows manual SOS activation via intuitive controls.

4. Peace of Mind: Ensures help can be summoned automatically, enhancing overall travel safety.

