





















## 7. Conclusion

As the number of accidents increases, it is important to have an automated system that can send assistance to the accident site as soon as possible. The proposed system deals with accident detection. As soon as the accident is recognized, the information is sent to the ambulance crew and police are informed, who can assist at the right time.

The proposed system offers benefits such as reducing the subsequent impact of a road collision, pinpointing the exact location of the accident, and facilitating all rescue operations. Users can manually report an accident by submitting a report via a web application, even in remote areas where the system is unavailable. This system ensures that the accident is recognized more quickly and reported to the emergency unit with details such as time and place.

Therefore, the proposed system indulges the detection of collisions between two vehicles by applying an approach adapted to collision detection based on image classification and object detection supported by convolutional neural networks. This bespoke approach allows you to accurately distinguish between the proximity and collision of two vehicles, even in heavy traffic conditions.

## 8. Future Scope

The feature of crash detection can be further enhanced to detect accidents between vehicles and other objects such as road dividers, electricity poles, and pedestrians. The web application can be augmented by providing a tracking mechanism for the medical units, which will track the ambulance to the location of the accident. Furthermore, the information about the victims will be recorded to help the police with the accident verification

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