

Project Overview

Guardian Yan is an advanced accident detection and response system designed to reduce fatalities and injuries in road accidents. This system includes a module that can be installed in cars and bikes, which detects collisions and sends alerts to local authorities.

How Guardian Yan Works

1. Vehicle Module Installation:

- Each vehicle is equipped with a module costing under ₹1000.
- The module includes an Accident Detector System, a location System and communication module system.

2. Accident Detection:

- The Detector continuously monitors for abnormal readings.
- If an accident is detected, a 15-second beeper activates inside the vehicle.
- If the beeper is not cancelled within 15 seconds, the system assumes an accident has occurred.

3. Alert System:

- The system sends a location message to local authorities and a centralized database.
- The message includes the location, severity, and type of vehicle involved in the accident.

Funding and Support Requirements

To successfully implement Guardian Yan, we require the following funding and support from the government:

1. Funding for Vehicle Modules:

- Installation of modules in 10,000 vehicles: ₹1 Crore (₹1000 per vehicle).

2. Research and Development Support:

- Collaborating with research institutions for advanced accelerometer and infrared camera technology: ₹50 Lakhs.
- Data analysis and machine learning for accident prediction and severity assessment: ₹1 Crore.

4. Operational Costs:

- Annual operational and maintenance costs: ₹2 Crores.

5. Total Funding Required:

- Initial setup and first-year operational costs: ₹4.5 Crores.

6. Initial Sheet Funding: 10.L

Benefits of Guardian Yan

- Rapid Emergency Response: Immediate detection and alerting of accidents to local authorities.
- Preparedness: Live video feeds help emergency responders prepare for the situation.
- Automated System: Reduces human error in reporting and responding to accidents.
- Data Collection: Provides valuable data for traffic safety improvements and accident prevention strategies.

Request for Support

We kindly request the following from you for:

1. Financial Support: Direct funding to cover the setup and operational costs.
2. Regulatory Support: Facilitation in getting necessary approvals and clearances.