

Safe Zone Speed Monitor

“Don’t Rush -Arrive Alive”.

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MOTIVATION: Makes vehicles slow down automatically in sensitive areas

Every year, many accidents happen near schools because vehicles don't slow down. Children are the most vulnerable road users — they may suddenly cross the road without warning. Current road signs are often ignored by drivers, so we need an automatic, tech-based solution to ensure safety without depending on human discipline.



OUR OBJECTIVE:

1.

Ensure pedestrian safety by strictly enforcing speed limits in sensitive areas such as schools, hospitals, and residential zones.

2.

Automatically detect and record vehicles exceeding the set speed limit using advanced sensors or radar technology.

3.

Provide real-time alerts to traffic authorities or display boards to immediately warn speeding drivers.

4.

Maintain a database of offenders for follow-up actions, traffic law enforcement, and future policy planning.

PROBLEM IDENTIFICATION:

- **Many drivers fail to notice or obey safe zone speed limit signs.**
- **Manual speed monitoring is labor-intensive and prone to human error.**
- **Speed enforcement reacts after the damage is done.**
- **No central data means repeat offenders slip through.**

OUR SOLUTION:

The Safe Zone Speed Monitor uses roadside transmitters and in-vehicle receivers to detect speeding, alert drivers, and safely reduce vehicle speed while logging violations for authorities, ensuring safer roads in high-risk zones.





THANK YOU...