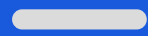


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# STRALYS: THE SMART TRAFFIC LIGHT SYSTEM

A study conducted by AIIMS has  
conducted that 30% of deaths in India  
were due to delay in emergency care



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'Ambulances in India fail to arrive on time and are mostly ill-equipped'

Emergency response is critical to saving precious lives, and to achieve that a robust system like 911 needs to be established across the nation. Currently, the majority of ambulances are mere transportation vehicles as they lack trained emergency medical technicians, and ambulances are ill-equipped to perform crucial functions such as advanced life support (ALS), basic life support (BLS) and cardiopulmonary resuscitation (CPR).



With more than 150,000 road traffic related deaths, 98.5% 'ambulance runs' transporting dead bodies, 90% of ambulances without any equipment/oxygen, 95% of ambulances having untrained personnel, most ED doctors having no formal training in EMS, misuse of government ambulances and 30% mortality due to delay in emergency care, India portrays a mirror image of the U.S. of the 1960s.

# AVERAGE ROAD SIZE OF INDIA

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# 5.5 METERS

As per the Ministry of Road Transport and Highways (MoRTH) in India

— <https://morth.nic.in/>





# PROBLEM STATEMENT

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The absence of dedicated lanes for emergency vehicles due to limited space can result in slower response times, longer travel distances, and increased risk of accidents



# PROPOSED SOLUTION.

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- A GPS tracker module is being developed.
- The module will be used to track ambulances and vehicles.
- The GPS tracker approximates nearby signals and sends a signal to the traffic module.
- When an ambulance enters a proximity, the traffic signal is shifted to provide a flow of traffic.
- The signal is adjusted based on the number of vehicles already present at the junction.
- By the time the ambulance reaches the junction, the traffic signal will be green and a clear path will be available.



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THANK  
YOU.

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