

Hydraulic Traffic Reduse System (TRS)

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Abstract: India, is a country with the third largest road network in the world. In the year 2019, about 295.8 million vehicles wandered their way through these roads. And amidst this herd, are 10,017 ambulances in an urgency to reach hospitals with patients fighting for their lives. Indian government data shows, about 30% of on-road deaths are caused due to delayed ambulances. Also, more than 50% of heart attack cases reach hospital late due to traffic. With India's speeding population and economy, and people with their personal vehicles, prolonged signals and obstacles for emergencies, our project Hydraulic Traffic Reduce System aims to reduce such casualties. By providing hydraulic jack underneath the footpath such that in case of emergency; vehicles can make their way through the traffic, during signals with ease. With regards to sluggish traffic movements while making way for emergency sirens this way would be certainly effective and a bold approach towards assisting the development of the nation.

Keywords: Traffic congestion, emergency, footpath, hydraulic system

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