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Andhra based startup invents IoT device to ensure quick medical aid to patients

01 June 2017 Patent (/patent.html)



An Andhra Pradesh-based startup called Greenline Labs has invented an IoT (Internet of Things) device and technology called Emergency Response Automation (ERA) which creates a geofencing when any ambulance is within a 500-meter radius of a traffic signal. The technology automatically gives ambulances the green light, all the way to the incident they are attending, and ensures quick medical aid to patients.

The IoT device works by triggering an alert in the traffic junction box that turns the traffic lights green thereby clearing the traffic congestion and making way for the ambulance to go through without delay.

The startup has tested the system in a prototype, simulating a four-road junction and will now be filing a patent application for the technology before going live.

The startup recently got a go-ahead from GVMC Commissioner M. Hari Narayanan for implementing the technology in five traffic junctions in the city. The GVMC Commissioner has urged the Police Commissioner to provide five major traffic junctions to the startup to run the pilot and provide permission to handle the relays at the permitted traffic junctions in order to install the receiver.

The startup is presently incubated at Startup Accelerator India – the joint venture of AP Government and Singapore-based GOVIN Capital.

Each ambulance will be fitted with a seven-inch interactive touch-screen device which helps the driver track the location of the accident and reach the spot from the nearest possible route. Some of the new features of ERA include route-mapping, live tracking system wherein the hospitals can track their fleet and keep their fleet in heat zones or accident prone areas and also get live updates about the victim’s condition.

Having raised a seed capital of Rs. 10 lakh from GOVIN Capital, the startup is gearing up for the second round of funding as it gets ready to hit the market. To expand its footprints to cities like Hyderabad and Bengaluru, Greenline Labs has also collaborated with Hyderabad-based startup Ambee that are into on-demand ambulance services in these two cities.

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