V.S.B. ENGINEERING COLLEGE, KARUR

Department of Electronics and Communication Engineering

IBM NALAIYA THIRAN

TITLE : Signs with smart connectivity for better Road Safety

DOMAIN NAME : Internet of Things

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Problem statement:

Background:

In 1983, a tragedy prompted the United States to release the world's first geographicaI positioning system for civilian use. A Korean passenger flight had entered Soviet airspace due to a navigation error. It was considered a threat and mistakenly shot down, killing all 269 passengers. Three decades later, onboard communication devices are typically still associated with GPS features such as route mapping, location detection and arrival time estimations. Those primordial functions define a generation of telemetric devices. India

loses one life to a road accident every four minutes. That amounts to as many as 150,000 lives a year. The jarring figures place India at the helm of global road fatality rankings. Over the last few years, the government has relegated a number of initiatives to mediate road safety concerns. Speed governors were made mandatory across all commercial vehicles including taxis. A recent proposal requires all cars manufactured after March 2019 to include airbags and seat belt alerts.

Background:

The road signs and speed limit these days are static so sometimes when there is extreme weather conditions it is very hard for the riders to see the speed limit and directions. This project can be very useful for the riders cause. when there is high traffic appropriate digital signs can be shown to change the directions. When there is rainfall the roads get very slippery which may lead to a lot of accidents so to prevent them this technology can be used.