

## Harvard Global Health Institute and SaveLIFE Foundation develop innovative mechanisms to prevent road traffic injuries/crashes

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In a bid to improve road user behavior and reduce road crashes on dangerous stretches across the world, students from Harvard in partnership with SaveLIFE Foundation have devised a potential new tool to alert fatigued drivers while commuting.

As part of the Harvard Global Health Institute's partnership with SaveLIFE Foundation, inked in May 2018, the Harvard Engineering School (HES) began a project in August this year to address some of the major causal factors around road crashes in India. Fatigue-related crashes on Indian highways were identified as a major issue and the group began developing engineering solutions to address it.

The students from Harvard Engineering School (HES) have now released a prototype called RADAR (Real-time Auditory Drowsiness Alert using Radar) which can be used to alert drivers in real-time if they are feeling drowsy while commuting. Unlike existing models, RADAR collects a larger set of signals, such as heartbeat and random arm movements, and is designed to cost less than \$100. In the longer run, the partnership aims to collaborate and foster joint research on sustainable solutions for improving road safety across countries.

Commenting on this, Mr. Piyush Tewari, Founder and CEO, SaveLIFE Foundation said, "Given that fatigue-related crashes on Indian roads are one of the leading causes of death, this solution could prove to be a game-changer. We plan to implement RADAR as a solution on the Corridors adopted by SaveLIFE Foundation under our ZFC approach. We're positive about the change such technology can drive to save lives."

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