



Street Ops

Safe Drive, Save Life



1%

India's share of Global
Automobile Population



6%

In the number of road accidents
around the world

352 accidents on Mumbai-Pune expressway in 2019; 91 killed

As compared to the 2018, the number of accidents and fatalities on the six-lane expressway went down in the year 2019.

PTI
@moneycontrol.com

Shabana Azmi in hospital after accident on Mumbai-Pune Expressway, PM Modi wishes her speedy recovery

Shabana Azmi's car met with an accident on Mumbai-Pune Expressway. The actress was admitted to MGM Hospital in Panvel and was later referred to Kokilaben Dhirubhai Ambani Hospital in Mumbai, Maharashtra.

Deeply saddened: PM Narendra Modi after 20 killed in UP bus accident

PM Narendra Modi send his condolences to the families of 20 people who were killed after a bus burst into flames as it collided with a tr

2 killed, 16 injured in road accident in UP's Agra

The Volvo bus of the Uttar Pradesh State Road Transport Corporation, carrying 35 to 40 passengers from Agra, was heading t Lucknow when the accident happened on the Agra-Lucknow Expressway.

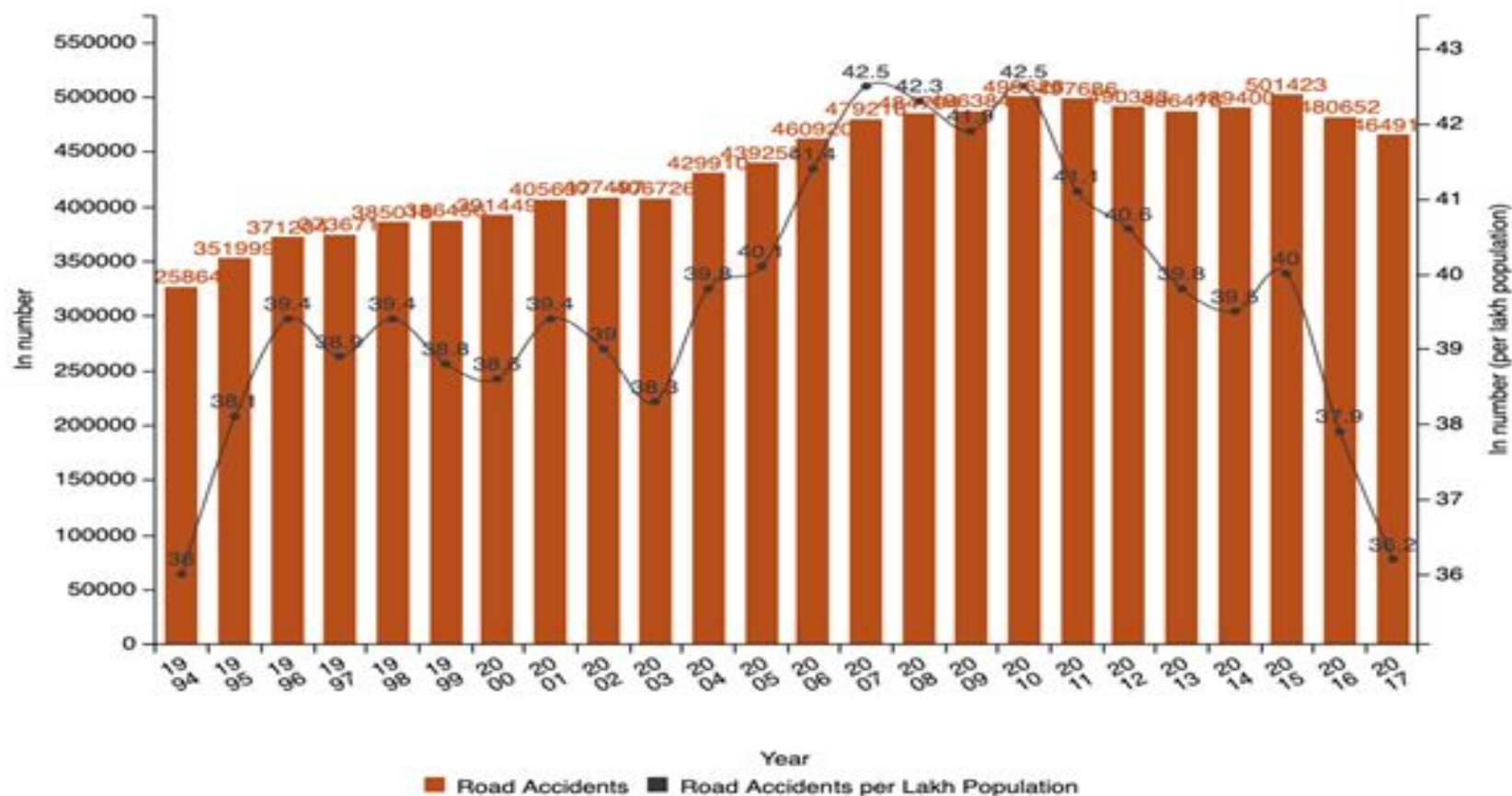
Anantapur: One killed and 46 injured after a school bus plunges off a mountain road in Karnataka



Pavan Kumar Bandari

Hans News Service | 4 Jan 2020 11:00 AM IST

Road Accidents in India from 1994 to 2017





87 %

Road accidents were attributed to Human Mistake (Judgment and control) by driver



Problem

The major problems faced by the drivers are:

- Visual Recognition delay
- Hidden Road Hazards
- Controlling High Speed driving
- Lack of Pit Stops



None of us would like to lose anyone in the road accident , specially our loved ones , but what are we doing about it ?

Just relying on stricter regulation and higher penalties wont make any **immediate** difference, we all know

- Awareness takes time
- Changing habits take lot of time
- Infrastructure improvement takes ages

Can technology do something



Street Ops

Automobile Safety System

Safe Drive, Save Life



What is Street Ops?

- Vehicle Mounted Technology enabled modular device
- Compatible with all makes and models of Passenger and Commercial vehicles
- Works in all external conditions (Day, Night, Fog, Rains, Snow)
- Works in all type of terrain (City, Mofussil, Rural, Hilly, Dessert, Off road)
- No interference with vehicle safety system (Air Bags, ABS, stability control, mirrors, windscreen , crumple zone, or any vehicle electronics)

RADAR SENSOR



GPS for vehicular position



SCREEN FITTED INSIDE FOR DISPLAY



RADAR SENSOR



DASH CAM (facing in)

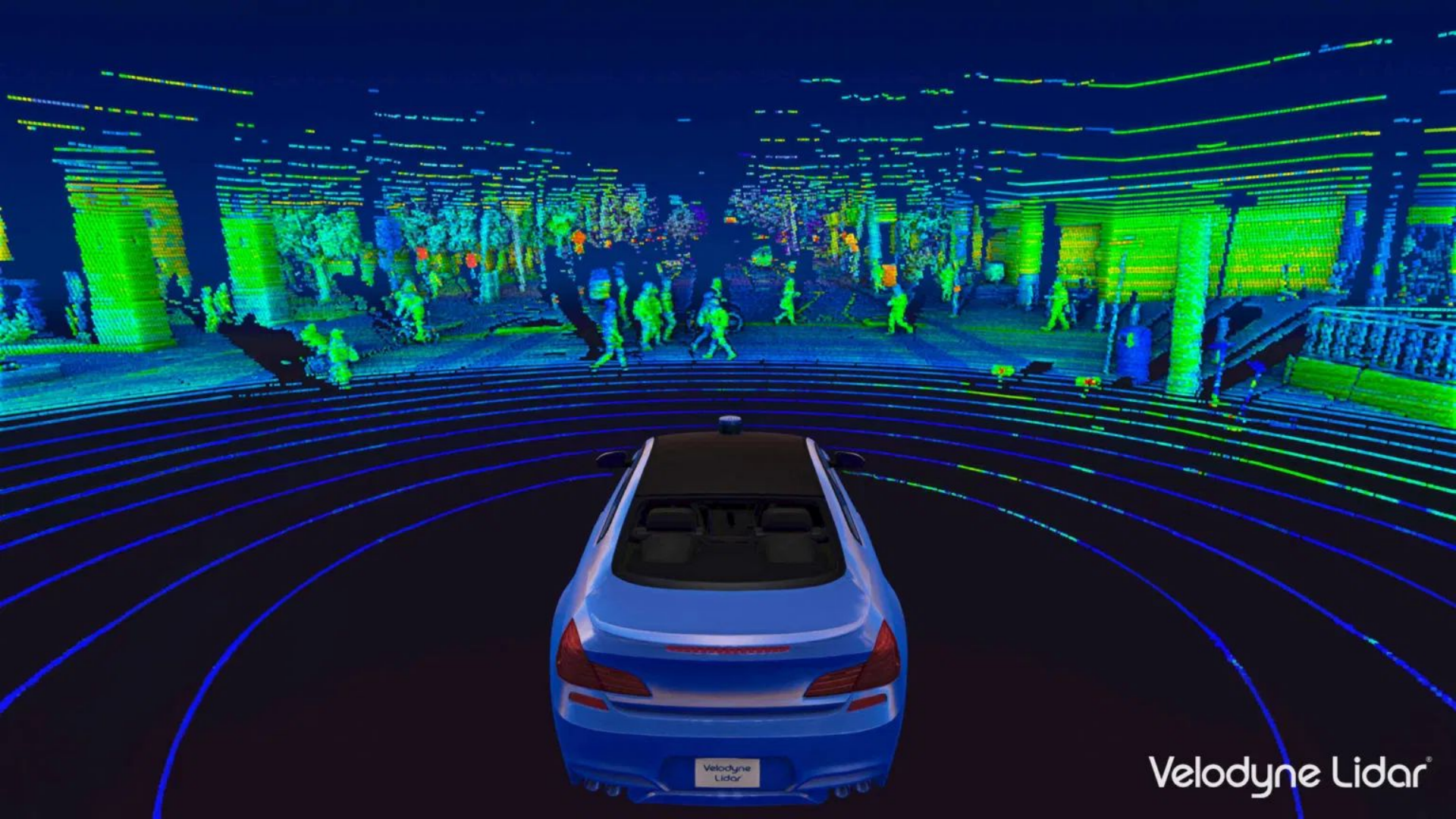


DASH CAM (facing out)



DASH CAM (facing out)





Velodyne Lidar®



A Convolution Neural Network that would detect and recognise various traffic signs and signals and also alert the driver when potholes are detected



Drowsiness detection and face recognition with the help of image processing, notifying the driver in the situation of drowsiness. A visibility detector to constantly monitor the visibility of the roads in foggy condition



Real-time dashboard to monitor speed, distance, geographic location and give analytics



Blind Spot Detector that would display the proximity and send alerts through WiFi and radar sensors



Suggest the driver the shortest route and track the movement of the vehicle through the GPS coordinates provided by the GPS module and Send automated voice commands to the driver for identifying the route and visualise the route through Google Maps



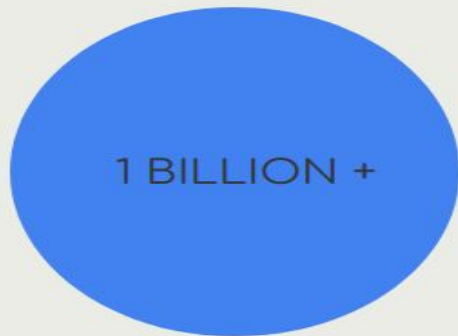
Estimated time required to complete the journey based on the current traffic conditions, speed and the route to the destination



Street Ops Features

- **FCW (forward-collision warning):** Visual and/or audible warning intended alert the driver and prevent a collision.
- **NVS (Night Vision System):** Providing heads up display to driver in low visibility situation through
- **PD (pedestrian Detection) -** The system can detect pedestrians, then issue warning and trigger, if necessary. Same can detect cyclists to
- **BSW (blind spot warning):** Visual and/or audible notification of vehicle in blind spot. The system may provide an additional warning if you use your turn signal when there is a car next to you in another lane.
- **RCTW (rear cross-traffic warning):** Visual, audible, or haptic notification of object or vehicle out of rear camera range, but could be moving into it.
- **TPMS (Tyre pressure monitoring system):** Monitoring tyre pressure and providing alert to driver based on recommended and actual pressure difference

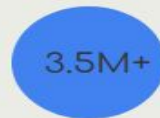
MARKET SIZE



CARS DRIVEN (Worldwide)
Total Available Market

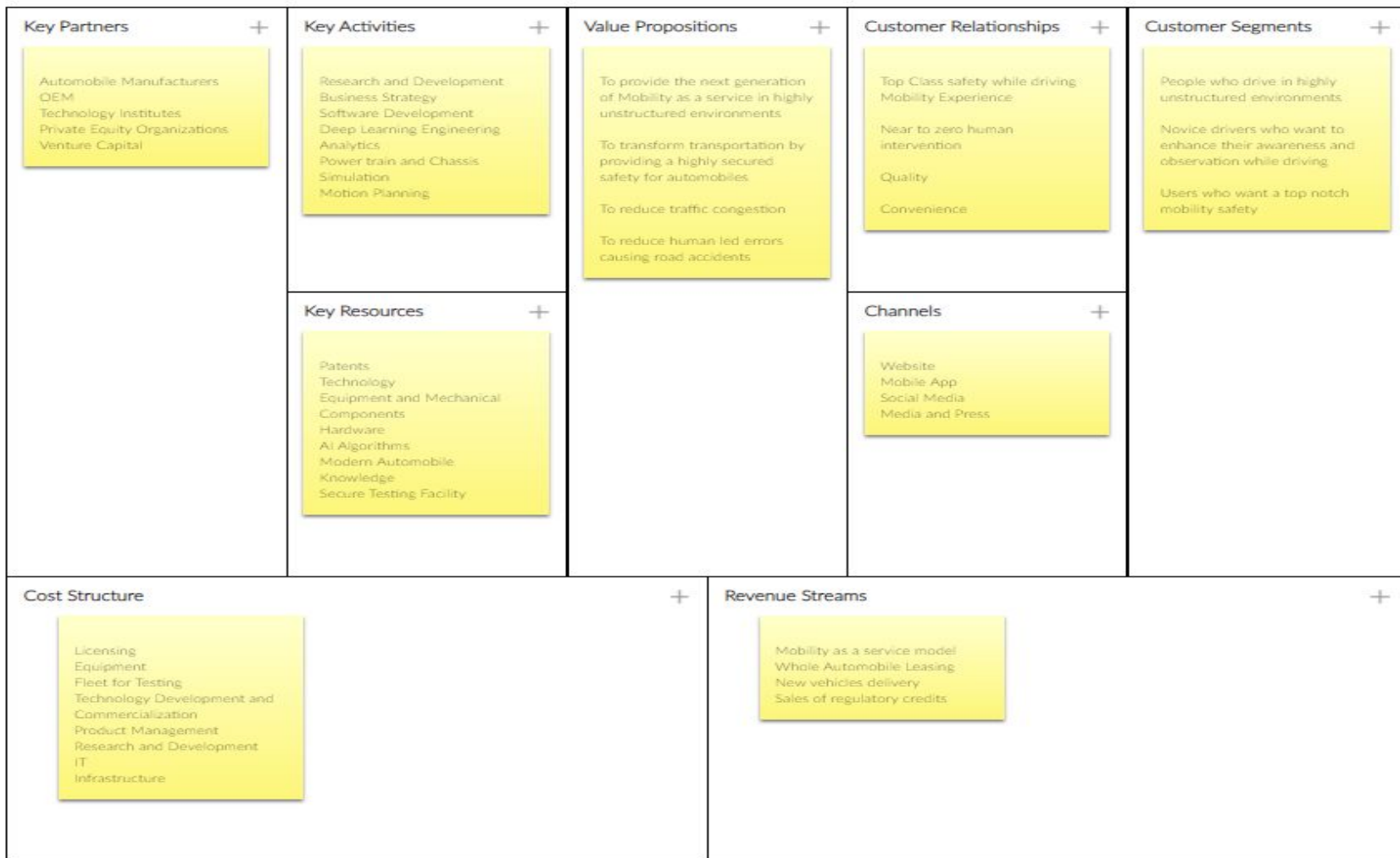


TARGET DRIVERS
Serviceable Available Market



CARS WITH StreetOps
Market Share

StreetOps





Unique Value Proposition

- Artificial Intelligence Algorithms
- Custom dataset collected of various images of potholes
- Visualization & Analytics Software
- Enhanced Awareness while driving
- Empathically touching to save human lives