Ajay Kumar C
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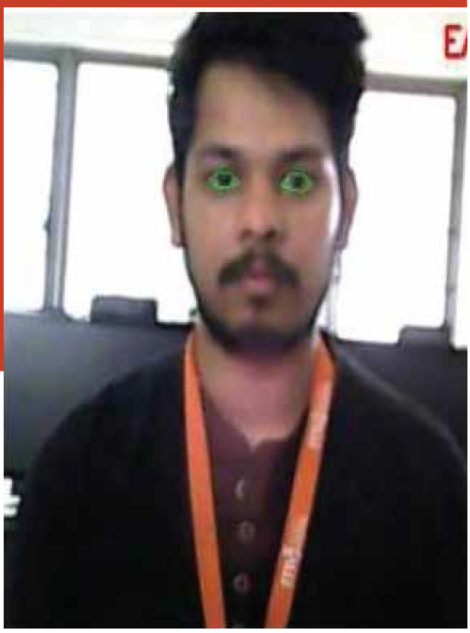
83 PROJECT

DRIVER DROWSINESS AND ALCOHOL INTOXICATION DETECTION AND BLIND CURVES ACCIDE PREVEN USING RASPBEI



Drowsiness and drunk driving are the main causes of road accidents. This paper proposes a real-time detection of driver's drowsiness as well as alcohol intoxication level and subsequently alerting them. The main aim of this proposed system is to increase the transportation safety

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DECCAN HERALD

Students develop black box for cars

SANJANA S MEGALAMANE
TEAM METROLIFE

Four students have developed an app to send out alerts in case of road accidents. Called Black Box, it works with a hardware device installed under the seat.

Dhruv Vekariya, Kevin Pius, Tamal Dey and Bikram Nath, all students of MVJ College of Engineering, spent about a year on this project. The app sends out messages to the police control room, ambulance service, and close family members.

(From left) Kevin Pius, Tamal Dey, Bikram Nath and Dhruv Kumar.

The Black Box

"One of my uncles met with an accident and his leg got stuck under the dashboard. Because of the long wait for an ambulance, he developed blood clots and was paralysed from the hip down. This is what pushed me to work on the app," Dhruv told *Metrolife*. High-profile cars and aircraft already have black boxes, but they are expensive. The team wanted to develop an affordable version, says Kevin.

WALLET FACTOR
Black Box is expected to be priced between Rs 10,000 and 15,000, and the team is looking for funding to launch it commercially.

How it works
Black Box automatically connects to the Wi-Fi or hotspot as you enter a car. Variations in the accelerometer reading are used to detect a crash and send alerts to numbers listed on the app.

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