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ABSTRACT

The new way of security system which will be discussed in this project is based on machine learning and artificial intelligence. Passenger security is the main concern of the vehicles designers where most of the accidents are caused due to drowsiness and fatigue driving in order to provide better security for saving lives of passengers air bag are designed but this method is useful after accident is accord. But main problem is still we see many accidents happening and many of them are losing their lives. In this project we are using OpenCV library for image processing and giving input as user live video and training data to detect if person in video is closing eyes or showing any symptoms of drowsiness and fatigue then application will verify with trained data and detect drowsiness and raise alarm which will alert driver.