IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.53
Volume 4, Issue 1, December 2024

Driver Drowsiness Detection System with OpenCV and Keras

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Abstract: *This Drowsy Driver Detection System is based on the idea of computer vision-based thinking. The camera serves as the system's starting point by giving the framework that concentrates it the driver's live feed. directly at the driver's face and examines their eyes with the specific goal of detecting any signs of drowsiness. In situations where the analysis reveals drowsiness, the driver receives an alert from the live video. Using information gleaned from the image, the Framework advances the program's control to locate the facial touristspots, which assist the system in determining an individual's eye location. The suggested framework determines that the driver is feeling sleepy and that a safety alarm is sound if the driver's eyes are closed for a predetermined period of time. After a face is first identified and eyes are identified, the system functions effectively in low light levels.*

Keywords: Drowsy Driver Detection, Facial tourist spots, Alarm, lighting conditions

DOI: 10.48175/IJARSCT-22632