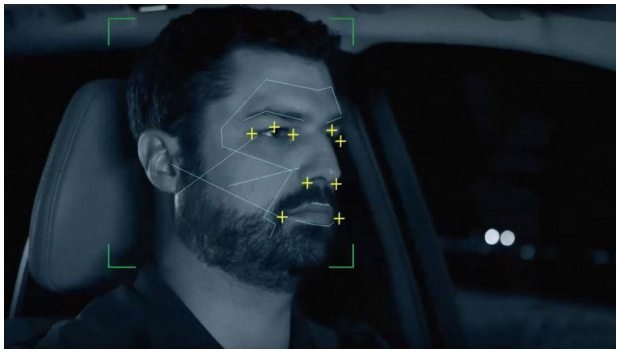
Drowsiness Detection System



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INTRODUCTION

Sentiment analysis: Driver drowsiness applies the face recognition system , eye tracking, physcological behaviour, driver drving way are alos monitored while they are going through the camera. By identifying the early chances of the accident this system intervenes to prevent the accident. Offering the vital solution to prevent the drowsiness of the driver or giving them alert.

Public Opinion is almost positive towards this seeing them as a vital tool of the road safety, offering the real time monitoring and intervation to prevent accidentscaused by the driver fatigue.

METHODOLOGY

The project aims to enhance road safety by accurately identifying drowsiness in drivers, alerting them to prevent accidents caused by fatigue. It seeks to save lives, reduce injuries, and promote responsible driving habits by increasing awareness of the dangers of drowsy driving.

OBJECTIVES

Designing a drowsiness detection system involves researching existing methods, selecting appropriate sensors, developing algorithms, and iteratively refining the system for accurate deployment in vehicles, ensuring compliance with safety standards.

ANALYSIS

Analyzing a drowsiness detection system involves assessing accuracy, feasibility, and safety impact while addressing challenges like sensor reliability and privacy concerns. A cost-benefit analysis guides decision-making, considering development costs and potential safety benefits, with future integration with