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(57) Abstract :

The present disclosure relates to a system (100) and method (300) that includes a processor (102) and memory (104) that execute a set of instructions to detect drowsiness using artificial language. The system monitors a set of behaviors of one or more drivers (114) through one or more sensors (116) to gather a data pertaining to a set of attributes and preprocess and filter the gathered data to remove noise and unnecessary information. Additionally, the system extracts a set of characteristics related to drowsiness from the gathered data, analyzes the extracted set of characteristics using one or more machine learning algorithms and detects the level of drowsiness based on analyzation of the extracted set of characteristics. The processor (102) displays the level of drowsiness in real-time to the one or more drivers (114) to allow the one or more drivers (114) to monitor their alertness level and sends a notification to the one or more drivers (114) through one or more computing devices (112) on detection of drowsiness.

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