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Waste Segregation Using Arduino

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Abstract: *This document outlines the design and def an anti-sleep alarm system for drivers using an Arduino microcontroller. The system employs an eye blink sensor mounted on the user's spectacles to detect drowsiness. When the sensor detects eyes closed for a duration exceeding 3 seconds, indicating potential drowsiness, an alarm in the form of a buzzer is triggered to alert the driver. If the driver fails to respond within a designated timeframe, signifying a more advanced stage of drowsiness, the system activates an additional safety measure by engaging a mechanism to stop the vehicle. This project aims to enhance road safety by preventing accidents by driver fatigue and drowsiness..*

Keywords: ultra Sonic Sensor, Arduino, Moisture sensor, Servomotor, Waste Segregation

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