Alcohol Detector using Node MCU ESP 8266

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Abstract: *Nowadays many accidents happen because of the alcohol consumption of the driver or the person who is driving the Vehicle. Drunk and driving is a major cause of the accident in practically every country on the planet. The goal the alcohol detection in automobile projects is to ensure the safety of those who are seated within the vehicle. We frequently see drunk driving situations, in which intoxicated drivers wreck their automobiles while under the influence of alcohol, causing property and life harm. As a result, we offer an innovative strategy to prevent such occurrences. Our proposed system would be constantly monitoring the driver's breath by placing it on the drivers wheel or somewhere the driver's breath can be constantly monitored by it. As a result, we suggest a novel strategy to eliminate such situations. Our suggested device would continually monitor the driver's breath by mounting it on the steering wheel or anywhere else where the driver's breath could be detected. If a drunk driver tries to drive, the system detects alcohol in his or her breath and locks the engine, preventing the car from starting. In another scenario, if the driver is not inebriated when the vehicle is started and the engine is running, but drinks while driving, the sensor detects alcohol in his breath and stops the engine, allowing the driver to guide the vehicle to its destination roadside and a warning message is sent to a webserver through Node MCU ESP8266 Board.*

Keywords: Alcohol, Drunk and driving, Node MCU ESP8266

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