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## ENHANCING ROAD SAFETY: DESIGN AND TESTING OF A NODEMCU-BASED ALCOHOL LEVEL DETECTOR FOR BREATH ANALYSIS IN HELMET

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### ABSTRACT

They are heavy or light, all of the things that people do on a regular basis are dense. It goes without saying that all of these tasks will need energy. Humans can receive the energy they require by consuming food and beverages, including those that include alcohol. Humans have been consuming ethanol in alcoholic foods and drinks for a wide range of purposes since the beginning of time. When someone consumes a lot of alcohol, they will become inebriated. It is well established that ethanol causes unconscious negative behavior by robbing people of their consciousness. High alcohol levels were clearly indicated by the pseudo-sound and graphic alarms on the user-friendly interface. The power is highly adjusted for performance and efficiency, as well as for longer battery life. Overall, the project that prioritized accuracy, dependability, and user experience has succeeded in opening up opportunities for advancements like more safety feature sand highly Interactive user interfaces.

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