KEYLESS ACCESS AND SUPERVISORY SYSTEM FOR MOTORCYCLE

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Keyless entry systems have grown increasingly popular in the automotive sector because of their security and convenience benefits. This article discusses a novel approach to building a two-wheeler keyless entry system with an accelerometer, gyroscope, and buzzer utilizing the NodeMCU ESP8266 microprocessor. The suggested approach makes use of the NodeMCU ESP8266's WiFi capabilities to offer remote access control for two-wheelers, allowing users to securely lock and unlock their vehicles without the need for actual keys. The addition of sensors such as the gyroscope, accelerometer, and buzzer increases the system's functionality by providing more security features and real-time monitoring.This keyless entry system integrates cutting-edge IoT technology with sensor integration to create a smooth and safe two-wheeler access control solution. The paper covers the system's conceptualization, execution, and examination, as well as the potential benefits to automobile security, ease of use, and general effectiveness.

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