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IoT Based AC Fan Speed Control using Smart Phone

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Abstract: This project aims to create an IoT-based AC fan speed control system using a smartphone with NodeMCU. The system uses a solid-state relay and a triac to regulate the power delivered to the fan, and the speed of the fan is controlled using PWM. By connecting the fan to the internet via the NodeMCU board, users can control the fan speed wirelessly using a mobile app. The project is a practical example of how IoT can be used to create smart and efficient solutions for everyday problems, providing users with convenience and energy savings. This abstract summarizes the key objectives and outcomes of the project and provides a brief overview of the system's design and functionality.

Keywords: Smartphone, Node MCU, AC fan

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