

Design and experimental fabrication of a smart power socket with WiFi network connectivity

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Abstract: The topic aims to research, design, and experimentally manufacture a smart power outlet connected to a network via WiFi standard. In the context of increasing digitalization, managing and controlling energy through electronic technology has become essential. The topic identifies the goal of building an automatic energy management system for smart power outlets. The method applied combines theoretical research with experimentation to ensure the system's effectiveness. The expected result is the creation of a solution that applies advanced technology to daily life, helping to save energy and enhance energy management.

Keywords: Smart power socket, WiFi, energy management, automation system, technology application