

Research on designing and manufacturing an electrical energy measurement device according to the Wifi communication standard.

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Abstract: This is a study aimed at meeting the practical need for controlling and monitoring electrical energy through the design and fabrication of devices based on the Wifi communication standard. The main objective is to build an automatic, efficient, and cost-effective measurement system for electrical power projects. The research method combines theory with experimental application to ensure the feasibility of the solution. The expected results of the project will contribute to improving communication technology in the electrical industry and expanding the vision of the integration between energy and wireless network technology.

Keywords: Electrical energy, WiFi standard, measuring equipment, energy management, automatic system