

Android mobile application for controlling and monitoring electrical devices via WiFi wireless communication standard

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Abstract: This topic aims to address the issue of effectively managing electrical devices in a home or office environment. Through research, we have developed a mobile application on the Android platform to provide remote control and monitoring capabilities via the Wi-Fi protocol. Experimental methods show that the system can meet daily usage needs with high accuracy and fast response speed. The results of the topic are highly applicable, contributing to energy optimization and cost savings in operation.

Keywords: Mobile application, Android, Wi-Fi, electrical device monitoring, wireless communication