

Design of an electrical device control system with Android operating system mobile phone

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Abstract: This topic aims to develop a system for controlling electrical devices via mobile phones using the Android platform. In the context of the increasing demand for remote management and control of electrical devices, the topic proposes a solution to meet the needs of modern users. Through theoretical research combined with experimental application deployment, the system will allow users to control smart electrical devices such as LED lights, electric fans, air conditioners, and more from their mobile phones. The expected results provide a flexible and convenient solution for managing and controlling living and working environments, while contributing to the development of IoT (Internet of Things) technology and automation systems in homes and businesses.

Keywords: Android operating system, Automation system, IoT technology