

Building a control system for household electrical devices via mobile phone messages.

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Abstract: In the context of increasing demands for automation and convenience in daily life, this topic focuses on building a home appliance control system based on mobile phone text messages. The goal is to develop a solution that allows users to remotely manage electrical devices such as lights, fans, and switches via a mobile application. The research method includes designing the user interface (UI) and control logic, implementing software code on mobile phones, and conducting experiments on a real system to ensure efficiency and safety. The expected result is to provide a flexible and easy-to-use solution for users' home device management needs, thereby contributing to improving the quality of life.

Keywords: Control system, Mobile phone, Home electrical appliances, Automation, Mobile application