

Building a voice control system for household electrical appliances via Bluetooth.

Nguyen Van Hoat

Abstract: In the context of increasing demand for automation and convenience in daily life, this topic focuses on building a voice control system for household electrical appliances based on Bluetooth technology. The objective of the research is to develop a practical solution that helps users easily manage and control electrical devices through voice commands, thereby contributing to improving quality of life. The research methodology includes identifying system requirements, designing the user interface, implementing voice processing algorithms, and testing the system on real devices. Expected results will demonstrate the effectiveness and convenience of this solution in practical applications, while also opening up many potential development directions for the IoT field.

Keywords: Voice control system, Bluetooth, Home appliances, IoT, Applied research