

Design and manufacture of smart electrical control devices using Google Assistant with IoT application

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Abstract: In practice, the use of IoT technology is becoming increasingly popular to improve performance and convenience in many fields. This topic focuses on designing and manufacturing a smart electrical control device based on Google Assistant using IoT applications. The objective of the research is to build an intelligent automation system that meets high security and performance requirements. The implementation method includes analyzing and selecting appropriate sensors, designing the Google Assistant user interface, and deploying the system on an IoT platform. The expected results contribute to the smart automation industry and provide useful solutions for end users.

Keywords: IoT, Google Assistant, Smart power control devices, Intelligent automation, Information technology