

Research on Internet of Things technology and its application in controlling electrical devices

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Abstract: This topic aims to investigate the development of Internet of Things (IoT) technology and analyze its potential applications in the field of electrical device control. The main objective is to build an IoT system capable of effectively managing, monitoring, and automating electrical devices through the connection and data exchange between connected objects. The research methodology includes analyzing existing theory, evaluating the practical application of IoT in the electrical industry, and deploying a pilot system at a test facility. The expected results will contribute to improving the operational performance and reliability of the power grid by optimizing energy usage and enhancing remote control capabilities.

Keywords: Internet of Things, IoT, Electrical device control, Smart energy, Automation