

Designing Internet of Things applications with Node-Red

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Abstract: In the context of IoT technology developing strongly and becoming an inevitable trend in many industries, this project aims to design and deploy an IoT application system based on the Node-Red platform. The objective of the research is to build a practical solution that helps automate and optimize workflows through connecting and processing data from various sources. The research methodology includes both philosophical logic and experimentation to verify the effectiveness of the proposed system. The project not only contributes to technical development in the IoT field but also provides a practical solution for businesses and organizations seeking to improve productivity through the application of advanced technology.

Keywords: Internet of Things, Node-Red, automation, data, application