

Design of wireless sensor networks based on smart applications

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Abstract: This topic focuses on the design and implementation of a Wireless Sensor Network (WSN) for smart applications. The reason for choosing this topic stems from the necessity of WSN in collecting real-world data on a large scale and at low cost, suitable for various industries such as healthcare, agriculture, and environmental management. The objective of the research is to build an efficient WSN system to provide solutions for practical problems. The research method combines both theory and experimentation, from analyzing sensor network architecture to deploying specific applications. The expected result is the development of a WSN system capable of optimizing collected and processed data, contributing to the advancement of smart technology.

Keywords: Wireless sensor networks, Smart applications, Data collection