

Design of wireless sensor network for areas without network infrastructure

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Abstract: This topic focuses on designing a wireless sensor network to meet the data collection needs in areas lacking traditional network infrastructure. The objective of the research is to build an efficient and reliable sensor network system to serve observation and automatic control activities. The research methodology includes reviewing previous works, implementing field trials in real-world areas, and analyzing results. Through this, the topic aims to contribute to the development of wireless sensor network technology and provide feasible solutions for remote or hard-to-reach areas.

Keywords: Wireless sensor networks, IoT technology, Infrastructure-less areas