

Application of MESH protocol in collecting and evaluating environmental temperature and humidity

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Abstract: In the era of rapidly developing information technology, collecting and evaluating information on environmental temperature and humidity plays an important role in many fields such as agriculture, climate monitoring, and energy management. This project aims to research and apply the MESH (Multi-hop Exponential Shrinkage) protocol to improve the performance of data collection from distributed sensors. The proposed method combines theoretical modeling with experimentation to address the problem of fast and reliable data transmission in non-routed networks. The expected results of this research will significantly contribute to improving the quality of environmental information collection and creating effective monitoring systems.

Keywords: MESH Protocol, Data Collection, Temperature and Humidity