

Design and construction of a connected lighting system using Lora network

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Abstract: In the increasingly growing context of IoT applications, designing and deploying a lighting system connected via a LoRa network has become a necessary development trend. This topic focuses on building a smart solution for public lighting systems to optimize energy consumption and enhance management efficiency. The research methodology includes both theoretical aspects of LoRa networks and experimentation with smart sensors. The objective of the topic is to provide a practical application platform for deploying smart lighting systems, while contributing to the development of IoT technology in the lighting field.

Keywords: IoT, LoRa network, system design, smart lighting, energy saving