

Development of a multi-channel emergency communication system (LoRa, BLE, WiFi) for disaster response and smart cities.

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Abstract: In the context where disaster response and smart urban development are becoming increasingly important, this topic focuses on developing a multi-channel emergency communication system using LoRa, BLE, and WiFi technologies. The main objective is to build a flexible and efficient solution to provide rapid information in emergency situations. The research method combines theory with experimentation to ensure the system's stability and reliability. The expected outcome is to make a significant contribution to enhancing disaster response capabilities and supporting smart city management.

Keywords: Emergency communication, LoRa, BLE, WiFi, Smart city