

Building a room temperature monitoring system using a mobile phone.

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Abstract: In the context of the increasing prevalence of infectious diseases, managing and controlling environmental temperature in living spaces has become extremely important. This project aims to build a room temperature monitoring system via mobile phones to meet the safety and health monitoring needs of users. The research method combines theoretical knowledge of the Internet of Things (IoT) with experimental deployment of a mobile application. The expected results will provide an effective solution for room temperature monitoring, while contributing to the field of IoT and information technology in environmental management.

Keywords: IoT system, Temperature monitoring, Mobile phone, Environmental management, IoT technology