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EMACS: Design and Implementation of Indoor Environment Monitoring and Control System

After more than 20 years of development, Internet of things has a lot of applications in the actual scene, which greatly facilitates people's work and life. As people paying more and more attention to environmental quality, the application of Internet of Things in indoor environment monitoring and control has become an important branch. In this paper we present a set of lightweight intelligent solutions for the management of computer rooms after studying the key technologies of IoT. The system uses sensors to obtain environmental information, through the process of Raspberry Pi, controllers will make adaptive response, such as turn on the air conditioner, alarm users. The experiments demonstrates the system can be a good solution to the backwardness of current room management, especially college computer room, and provides a new application for IoT.



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