

Building a smart home environmental monitoring application

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Abstract: In the context of increasingly rapid urban development, building a smart home environmental monitoring application has become a necessary solution to improve quality of life and protect the environment. This project aims to build an automated indoor environmental monitoring system using sensors and Internet of Things (IoT) connectivity. Accordingly, the project conducts theoretical research on IoT technologies and experimental applications to deploy the system. The expected results of the project not only contribute to the development of smart technology but also provide a useful solution for indoor environmental management.

Keywords: Graduation thesis, smart home application, environmental monitoring, IoT, urbanization