

Building an environmental monitoring system via mobile devices

Luong Mai Vu Lam

Abstract: In the context of increasing pollution and climate change, the issue of environmental management and monitoring has become important. This topic focuses on building an environmental monitoring system via mobile devices to provide real-time information to the public. The objective is to develop a system based on IoT sensors integrated with a mobile application, aiming to raise environmental awareness and support effective management. The research methodology includes both theoretical research related to IoT technology and experimental deployment of the application on mobile devices. Expected results will contribute to promoting public acceptance of digital environmental monitoring, while providing solutions to pollution issues in the community.

Keywords: Environmental monitoring, IoT, Mobile devices, Sensors, Real-time information