

Building an environmental pollution monitoring system

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Abstract: In the context of increasing environmental pollution, building a pollution monitoring system plays an important role in protecting public health and the environment. This project focuses on the goal of designing and implementing an automatic monitoring system to collect data from sensors placed at multiple locations, process and analyze information to provide early warnings about environmental pollution. The research method combines both theoretical and experimental approaches, including designing the user interface for the system and developing data analysis algorithms. The project is expected to contribute to improving the ability to monitor and manage air quality, thereby supporting effective policy decisions.

Keywords: environmental monitoring, pollution, sensor technology, data analysis, automated systems