

Building a high-tech garden management and environmental monitoring software system integrated with IoT.

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Abstract: In the context of the rapid development of information technology and IoT sensors, this topic focuses on building a software system for managing high-tech gardens. The goal is to optimize production efficiency and improve agricultural product quality through real-time environmental monitoring. The research method includes a combination of ecological management theory and experimental application with IoT to deploy the system. The expected results of this topic will provide a comprehensive solution for the agricultural technology industry, while contributing to the development of advanced technology in this field.

Keywords: Garden management software, IoT technology, Environmental monitoring, High-tech agriculture, Ecological management