

Building a smart greenhouse model

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Abstract: In the context of sustainable development and high demand for energy efficiency, this topic focuses on building a smart greenhouse system. The objective of the work is to improve plant growth by optimizing greenhouse conditions through the integration of sensors and automation devices. The research methodology includes both theoretical and experimental aspects, utilizing IoT (Internet of Things) to create an intelligent control system. The expected results will contribute significantly to the agricultural sector, bringing economic and environmental benefits.

Keywords: Smart greenhouse, IoT, Automation, Sustainable agriculture, Synchronized control