

Design of an automatic irrigation system for plants using soil moisture sensors

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Abstract: In the context of agriculture increasingly demanding efficiency and sustainability, this topic focuses on designing and implementing an automatic irrigation system for crops based on soil moisture sensors. The goal is to build a high-tech solution to optimize the irrigation process, reduce resource waste, and improve the quality of agricultural products. Through theoretical research combined with experimentation, the topic aims to contribute to the development of automation systems in agriculture, meeting the requirements of the modern market.

Keywords: automatic irrigation, soil moisture sensor, agricultural technology