

Design and construction of a controller for an automatic plant care system.

Hoang Anh Tu

Abstract: In the context of increasing demand for environmental protection and time savings, this topic focuses on designing and implementing an automatic system for plant care. The objective of the research is to build an intelligent controller capable of simultaneously managing multiple tasks such as watering, nutrient distribution, and environmental control for different types of plants. The research method combines electronic engineering theory with experimentation to create an efficient system. The expected outcome of this topic is to provide a robust application solution, contributing to the advancement of automation technology in the agricultural sector.

Keywords: Automatic system, plant care, smart controller, environmental management, automatic watering.