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AUTOMATIC PLANT WATERING SYSTEM

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Abstract---An automatic plant watering system is a technology that helps to alleviate the challenges of manual watering of plants. This system involves using sensors, controllers, and actuators to monitor and adjust the amount of water plants receive based on their needs. This abstract will discuss the design and implementation of an automatic plant watering system, including the use of soil moisture sensors, a microcontroller, and a water pump. The system's benefits include saving time and water, reducing plant stress, and ensuring consistent and optimal plant growth.

Keywords---Automatic Plant Watering System, Capacitive Soil Moisture Sensors, Microcontroller, Water Pump, Sustainable Gardening.




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