Smart Plant Watering System

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Abstract*: Through a methodical evaluation of the literature found in numerous digital repositories, this research offers a thorough analysis of smart agricultural solutions. The components and technology used in these systems are categorised methodologically into the following groups: sensors, actuators, gateways, power supply, networking, data storage, data processing, and information delivery. Using this data, we determine which gadgets and technologies are most frequently used in smart agricultural solutions and talk about how they are used in the suggested categories. By combining the data collected, we provide an understanding of the state of smart farming today along with suggestions for the choice of equipment and technology for each category. This study advances our knowledge of smart agricultural technology and helps stakeholders make well-informed choices about putting such solutions into practice.*

Keywords: Internet of Things, LoRaWAN, network, sensors, WiFi, wireless communication, and smart farming

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