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## Patent Search

Invention Title	ARTIFICIAL INTELLIGENCE AND IOT BASED SMART AGRICULTURE MANAGEMENT SYSTEM FOR EFFICIENT IRRIGATION AND CROP MONIT USING MACHINE LEARNING ALGORITHMS
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#### Abstract:

Artificial Intelligence and IoT based Smart Agriculture Management System for efficient irrigation and crop monitoring using Machine Learning Algorithms ABSTRACT: of Things (IoT), which has led to an increase in the level of intelligence possessed by inanimate objects, has had an effect on every facet of a typical person's life. It has each and every component of an average person's day-to-day life. The Internet of Things (IoT) refers to a network of interconnected electronic devices that may set up and communicate with one another without the need for human intervention. The emergence of Internet of Things-based gadgets for Intelligent Smart Farming is significantly altering both the positive and negative perspectives of farming. Farmers now have the ability to use a new Smart IoT-based Agriculture Stick to collect Live Data about environment (temperature, soil moisture), which will enable them to practice smart farming and increase both the quantity and quality of their crops. The Agriculture discussed in this research is driven by Arduino technology and is linked to a breadboard by means of connections made by sensors. A live data feed is displayed on the breadboard, and it can be accessed through the Agriculture stick on the ThingsSpeak website. Agriculture sticks can be obtained by shopping on thingspeak.com. The streams are extremely accurate (above 98 percent), as the device has been subjected to exhaustive testing in agricultural settings that are representative of the real world.

#### Complete Specification

#### Description: DESCRIPTIONS:

In order for smart computing to become a reality, the Internet of Things (IoT) will be an indispensable component. The Internet of Things (IoT) has led many industry experts to believe that "Traditional Technology" is becoming obsolete in favor of "Next Generation Everywhere Computing," although many are still unsure about this development. At the moment, researchers are referring to wireless networking as the "Internet of Things." In the year 2010, R.H. Weber came up with this word. This definition that Suo et al. (2012) offer for the phrase "Internet of Things." This is a concept that refers to a framework that functions similarly to the internet and allows the unambiguous identification of physical items and things, in addition to the digital representations of such things. The year 1998 saw the birth of this word, which subsequently saw widespread adoption. Kevin Ashton is the founder of what is now known as the "Kevin Ashton" firm and is credited with being the first person to discover the Internet of Things. The Internet of Things has expanded tremendously in scope, which has resulted in it becoming more powerful and better able to address new circumstances. This suggests that an increasing number of people are utilizing it in their daily lives. The Internet of Things has made it possible to automate tasks, provide electronic health services, smart homes, and even smarter education. IoT technology is already being utilized by businesses for a range of reasons, ranging from the administration of corporate affairs to the production of goods to the operation of smart transportation and even farming. Agriculture is the primary area of focus for research that is based on the Internet of Things (IoT), and new products are always being produced to increase the operational efficiency of agricultural operations, ultimately resulting in higher levels of productivity. Agriculture is widely regarded as the single most important factor in determining whether or not there is sufficient

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