

Survey Paper on IoT Based Smart Agriculture

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Abstract: Agriculture is the primary source of livelihood about 58% of India's population. It has always been India's most important economic sector. Issues concerning agriculture have always been an obstruction in the development of the country. The only solution for this problem is upgrading the traditional method of agriculture to smart agriculture. Internet of Things (IoT) technology has brought revolution to many fields. The development of Intelligent Smart Farming IoT based devices is day by day turning the face of agriculture production by not only enhancing it but also making it cost-effective and reducing wastage. In this paper it is proposed to develop a smart agriculture system using technologies such as IOT, Arduino, wireless sensor and Wi-fi module for tracking, monitoring, automating and analysing operations. The aim of this paper is to offer an assistance to farmers in getting Live Data (Temperature, humidity, Soil Moisture) for efficient environment monitoring which will enable them to increase their overall yield and quality of products. It also include smart irrigation with smart control and intelligent decision making.

Keywords: Internet-of-Things (IoTs), Sensors, Smart Agriculture, Soil fertility, Irrigation

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