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# Contrasting Journal on Agriculture Systems Using the Internet of Things

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Abstract: Agriculture is being rebuilt by the Internet of Everything (IoT) Temperature, humidity, and soil fertility are monitored using remote sensors. A field interruption, exact location, and wild plant species can all be found through an IOT-based investigation. The same wireless sensors may be used to monitor the soil's pH rate, temperature, and water level. A distributed wireless network of soil moisture and temperature sensors placed in plant root zones make up the implementation, of an automated watering system powered by solar panels. The Arduino board, which serves as an IoT gateway, receives data from these sensors, which continually monitor the settings, and processes it. A smartphone app gives customers access to live sensor data and enables farmers to take appropriate steps to meet the needs of the land. Farmers can use robotic systems for pesticide spraying, cultivating, and other such activities. Shows a block diagram of proposed concepts for an Internet of Things system.

### **Keywords:** IoT, Agriculture

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