

Modern Agriculture: Smart Agriculture

Suraj Ramavadh Yadav

Student, Master of Computer Application

Late Bhausaheb Hiray S. S. Trust's Institute of Computer Application, Mumbai, India

Abstract: *Internet of Things (IOT) sensors are used in the fast developing sector of "smart agriculture" to improve agricultural practises. Farmers may receive real-time data from their fields through the use of IOT sensors, allowing them to make data-driven choices and optimise resource allocation. The feature of this paper includes development of a system which may monitor temperature, level of water, moisture and even the movement if any happens within the field which may destroy the crops in agricultural field through sensors using Arduino UNO board. In this article, the usage of IOT sensors in agriculture is examined, with an emphasis on user engagement and field monitoring in particular. It goes through the benefits of using IOT-enabled smart agriculture, the many types of sensors used, and how touch-based user input may improve farming operations*

Keywords: Internet of Things (IOT), Smart Agriculture using IOT, Arduino, Soil Moisture Sensor, Water levelSensor

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