

## A LITERATURE REVIEW ON SMART AGRICULTURE USING NEURAL NETWORK AND INTERNET OF THINGS

**Anusuya Arumugam**

Assistant Professor, Department of Computer Science,  
SDNB Vaishnav College for Women , Chennai, India.

Email: [anusuyaarumugam1@gmail.com](mailto:anusuyaarumugam1@gmail.com)

### ABSTRACT

*The practice of cultivating the soil, raising crops, and raising animals for food is known as Agriculture. It plays an important role to support our daily life and financial system in most of the countries. It provided Food and additional raw resources, such as cotton, sugar, jute, and oil. Global Accuracy of Agriculture Market will be accelerating as 12.7% at Compound Annual Growth Rate between 2019 to 2026. Currently farmers are facing more challenges to produce enough crops to the expanded human population. Smart Agriculture is current farming making machinery based on the situations of spatial and sequential constraints in the field of crop development. Exposure to a global market for useful tools and intelligent systems that integrate advanced computing with electronic tools or control agricultural production is encouraged by "smart agriculture". The purpose of study is to find how Neural Network algorithms and Internet of Things can be applied on Agriculture process. This review paper also explores several use cases like drones, soil management, precision farming, livestock management and water management with automated irrigation.*

**KEYWORDS:** *Smart Agriculture, Neural Network algorithms, Internet of Things*