

**DIGITAL AGRICULTURE: CONTEMPORARY WAYS FOR PRECISION FARMING  
PRACTICES IN INDIA**

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**Abstract:**

Agriculture is the back bone of India, with majority of them depending on it for adequate livelihood. However, Indian farmers are not getting expected income from this sector owing to many problems relating to pest and disease, pesticides, fertilizer and processing, among others. Notably, digital agriculture has potential to make agriculture more productive and consistent, as well as using of time and resources more efficiently. This brings critical advantages for farmers and wider social benefits around the world. Digital devices Brings something valuable to farming from data collection, through to management and processing, as well as guidance and direction. This paper is an attempt to get an insight into digital technologies and applications of sensors, communication networks, Unmanned Aviation Systems (UAS), Artificial Intelligence (AI), robotics and other advanced machinery based on the principles of the internet in agricultural sector and potential of digital technology in India.

**Key Words:** Artificial intelligence, digital agriculture, precision farming, robotics

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