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**DOI: 10.15740/HAS/IJPS/19.2/53-58** Visit us - www.researchjournal.co.in

## **Research Article**

# Implementation of smart agricultural farming for growth and high yield in chillies (*Capsicum annuum* L.)

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### **SUMMARY**

The growth of the population is increasing from day-to-day and on the other hand, the shortage of food is increasing due to anthropogenic activities and urbanization. These are the two challenging tasks facing the sustainable development in the world wide. To face this kind of problem the advance research has come into force such as artificial intelligence AI and the mobile internet technology. The application of AI the plant growth hormone at periodic intervals to capsicum Onam is monitord by unmarried aerial vehicle UAV and wireless communication these plans are planted at regular distance and watering mechanism is maintained by 5G mobile networking. The internet of thinking iot undercloud computing analysis or anticipated to inspire growth and yield of Capsicum annum. This technical knowledge is helpful for the farmers to grow the crops during crop periods from showing to harvest and also for packing and transport. The concept of my research is the architectural framework is developed which integrades the internet of thinkings iot for the better production of *Capsicum annuum* crop. The iot implication of the crop with the application of UAV by following smart technology solutions has given more yield.

Key Words : AI, IOT, UAV, Smart wireless communication, Chillies

How to cite this article : Bhaskara Rao, Ch., Srinivasa Rao, P., Meghana, K. and Ramesh, G. (2024). Implementation of smart agricultural farming for growth and high yield in chillies (*Capsicum annuum* L.). *Internat. J. Plant Sci.*, **19** (2): 53-58, **DOI: 10.15740**/ **HAS/IJPS/19.2/53-58**, Copyright@ 2024 : Hind Agri-Horticultural Society.

Article chronicle : Received : 07.04.2024; Revised : 09.05.2024; Accepted : 17.06.2024

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