

Application of Information Technology in the Agriculture Sector of Indian Economy

Nandini N. Gaikwad¹, Pooja P. Thakur², Vrushali M. Thakur³, Sanjay L. Gaikwad⁴

Assistant Professor & Head, Department of Information Technology¹

Assistant Professor, Department of Information Technology^{2,3}

Assistant Professor & Head, Department of Physics⁴

Mahatma Phule A. S. C. College, Panvel, Raigad, Maharashtra, India

Corresponding Author: nng191211@gmail.com¹

Abstract: *Agriculture is one of the most important sectors in India and the pillar of the Indian economy. Now it demands the transfer of technologies from lab to land for the second green revolution. Particularly for small and marginal farmers the generation, invention, and application of agricultural knowledge are progressively important, who need relevant information to improve, sustain, and diversify their farm enterprise. Information technology supports new methods and ideas for healthy and precision agriculture. Information technology has the potential tool for improving decision-making in agriculture. IT can improve farm management and farming technologies by efficient farm management. The extensive use of IT to make a direct contribution to agricultural productivity. Satellite technology, geographic information systems using the techniques of agronomy and soil science is to increase agricultural production. In this paper, we study how information technology is helpful for management, improving planning and superior produce of agro products, and the basic issues of information technology in farm practice.*

Keywords: Agriculture, Information Technology, Agricultural Productivity

REFERENCES

- [1]. <https://www.linkedin.com/pulse/role-information-technology-agriculture-dennis-rapongo>
- [2]. <https://tnau.ac.in/dee/kisan-call-centre/>
- [3]. <https://en.wikipedia.org/wiki/E-Choupal>
- [4]. <https://www.grainews.ca/machinery-shop/robotic-weed-control/>
- [5]. <https://www.ibef.org/blogs/digital-agriculture-the-future-of-indian-agriculture>
- [6]. Venkatesh J, Sekar, Aarthi C, Balasubramanian M, Thenmozhi S and Balasubramanie P (2012). Role of ICT in Distribution of Knowledge in Agriculture Sector - Its Efficacy and Scope. The International Journal of Computer Science and Applications (TIJCSA) 1(5) 1-8.