Abstract

In India, majority of rural residents are dependent on agriculture for their livelihood. But, the current agricultural practices are not prudentially viable neither environmentally supportable and the yields of many agricultural products in India are critically low. In the near future, it will become essential for the country to build a high yielding, competitive, and varied agricultural sector and expedite rural, non-farm entrepreneurship and employment. This paper identifies the corollaries of traditional farming practices and addresses how to increase the yield of the
agricultural commodities by using present day computer technologies. Further, it also acknowledges the critical computing and diagnostic ability of Big Data in processing huge volumes of transactional data in real time situations. The objective of this paper is to present the amendments in the agricultural sector and encourages the discussions on how government can foster innovations in the big data analytics to improve the rural agricultural system.

References

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Index Terms

Computer Science  Database Management And System

Keywords

Big Data Analytics  Rural Agricultural Systems  Precision Agriculture  Electronic Farm Records.