Abstract

Big Data is nowadays one of the apex fields of research area. It is due to expansion in technological field at rapid rate. Expansion of storage area and data has been seen from past five year which is exponentially. It is envisioned that concept of Big Data will assure to reduce the huge chunks of data into manageable form. In this paper, we have discussed concept of Big Data, characteristics and challenges. Its main focus is over data generated in various sector, analytics and various tools to manage data.

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**Index Terms**

Computer Science Information Sciences

**Keywords**

Big data, Hadoop, Mapreduce, Data analytics, Big data tools.