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Big Data : Analysis

Ms. Manali Sakpal
Institute of Distance and Open Learning, Mumbai, Maharashtra, India

Abstract: *The amount of data in world is growing day by day. Data is growing because of use of internet, smart phone and social network. Big data is a collection of data sets which is very large in size as well as complex. Generally, size of the data is Petabyte and Exabyte. Traditional database systems is not able to capture, store and analyse this large amount of data. As the internet is growing, amount of big data continues to grow. Big data analytics provide new ways for businesses and government to analyse unstructured data. Now a days, big data is one of the most talked topics in IT industry. It is going to play important role in future. Big data changes the way that data is managed and used. Some of the applications are in areas such as healthcare, traffic management, banking, retail, education and so on. Organizations are becoming more flexible and more open. New types of data will give new challenges as well. The present paper highlights important concepts of Big Data. In this write up we discuss various aspects of big data. We define Big Data and discuss the parameters along which Big Data is defined. This includes the three V's of big data which are velocity, volume and variety. The authors also look at processes involved in data processing and review the security aspects of Big Data and propose a new system for Security of Big Data and finally present the future scope of Big Data.*

Keywords: Petabyte, Zettabytes, Veracity, Valence Rest, Rollback Attack, Sybil Attack, Database, Velocity

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Ms. MANALI KASHINATH SAKPAL has completed Bachelors in Computer Application from S.N.D.T College Shirgaon Ratnagiri, affiliated to S.N.D.T. University Mumbai 2011. Presently she is pursuing MCA from Institute of Distance and Open Learning. Along with she is having Teaching professional experience of overall 6 years of experience. Currently working as Craft-Instructor In Government Industrial Training Institute(Women), Ratnagiri.