Big Data Analytics Approach using Indexing and Ranking for Excellence in Higher Education

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Abstract

An information system is a group of various components such as softwares, hardwares, databases and networks that help to organize and analyze the digital data generated from different online sources offered by academic institutions increasing day-by-day in various formats like text, image, audio, video, comments etc. If same is for academic propose called educational big-data. For processing and analysis of this, appropriate techniques are required known as big data analytics. Big data approach with innovative efforts has the capability to analyze, process, and store the various formats of data in parallel mode. It is prediction based techniques for future use, by whom one can improve upon and generate an excellent higher education environment. This paper presents methods of indexing and ranking of an individual faculty member where the score is derived from big-data and later convert into the index and thereafter into ranks. Authors have suggested index formulae who are used to measure excellence existing in higher education system.

References

Index Terms
Computer Science
Information Sciences

Keywords
Big Data in Education, Big Data Analytics, Decision Support System, Information System,
Excellence Parameters.