Abstract

In the dynamic environment, records and management systems are independently maintained by education institutions, libraries and books whilst data are not readily accessible in a centralized position. Big data is being created due to digitalization of libraries and this has imposed limitations to researchers, educationists, scholars and policy maker’s efforts in improving the quality and efficiency. As a result, serving the users with books and articles that are in line with their interests is a great challenge. This paper addresses the issues of bringing various sources of information from different sources and institutions into one place in real time which can be time saving. The primary objective is to decrease the time that lapses between searching the reading material and the actual reading. Thus, a mechanism by which this bridge can be gapped is of paramount importance as access to information is costly especially to those with limited internet access. The research focuses on the development of a strategy that reduces time of finding reading material and this is in line with current recommendation system. Through this system there is great analyses of book descriptions to identify books that are in line with users’ interests. Within time huge amount of data is collected from the researchers,
educationists, scholars and policy makers and this big data will be used to train machines to automate the tasks to some extent. As a result, the valuable information gained from analyzing massive amounts of aggregated libraries data can provide key insights in improving information accessibility. This makes researchers, educationists, scholars and policy maker’s reach out for research solutions easily and cheaply and also makes information more accessible to the underprivileged and marginalized.

References


Index Terms

Computer Science
Data Mining

Keywords

big data, digitization, dynamic, analyzing, aggregated libraries, recommendation system