Abstract

Now a days everyone is trying to manage the data digitally on computer rather than maintaining it with paper-pen as because the management of data digitally is very easier than maintaining it with paper and pen which was done early days, this is also getting implemented in the field of education very rapidly, hence huge amount of student information is getting stored because of this digitalization of world and increasing amount of students and institutes. And as the size and complexity of the stored data is increasing very fast it is giving an impact on the performance of
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the management applications used. That is why storing and retrieving the data from the databases of various universities always requires efficient procedures or algorithms. Indexing is a technique which stores and retrieves the data efficiently from the database by mapping with the particular records. Customized indexing methods becomes requisite so as to retrieve and store data from the database in more efficient way. There is a little more time complexity and more wastage of the space for unallocated records in normal indexing with equal number of alphabets in the primary index. This paper proposes a customized and enhanced approach to search the information from such databases with reduced time complexity and latency time by specializing the concept as well as by using indexing with repetitive frequency so as to form the buckets with equal number of records.

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Index Terms

Computer Science

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Indexing  Buckets  Database  Performance.