Query optimization is a stimulating task of any database system. A number of heuristics have been applied in recent times, which proposed new algorithms for substantially improving the performance of a query. The hunt for a better solution still continues. The imperishable developments in the field of Decision Support System (DSS) databases are presenting data at an exceptional rate. The overall objective of this paper is to represent the various query optimization techniques using stochastic approaches which further optimize the design of query optimization genetic approaches.

References

2. Zhan Li, Qi Feng, Wei Chen, Tengjiao Wang, RPK-table based efficient algorithm for
join-aggregate query on MapReduce, CAAI Transactions on Intelligence Technology, Volume 1, Issue 1, January 2016, Pages 79-89.


4. Fuqi Song, Olivier Corby, Extended Query Pattern Graph and Heuristics - based SPARQL Query Planning, Procedia Computer Science, Volume 60, 2015, Pages 302-311.


**Index Terms**

Computer Science  
Databases
Keywords

Database, Distributed Database System Query Optimization, Decision support System, Genetic Algorithm