Performance tuning in database management system means enhancing the performance of database, i.e. minimizing the response time at a very optimum cost. Query optimization is one of the important aspects of performance tuning. Lots of research work has been done in this field but it is still ongoing process. To achieve high performance at a very low cost identification of KPIs (Key performance indicators) is necessary, so that by altering these parameters dynamically minimum response time with optimum value can be achieved. This paper proposes how to filter cost and time parameters, to prioritize these parameters to get minimum response time. The approach proposes in this paper will be implemented by using neural network learning rules.

References

- David J. Montana and Lawrence Davis, Training Feedforward Neural Networks Using
Genetic Algorithms.
- S. F. Rodd, Dr, U. P. Kulkarni, 2010, Adaptive Tuning Algorithm for performance Tuning of database Management System
- Gaozheng Zhang, Mengdong Chen, Lianzhong Liu, A model for Application –oriented Database performance Tuning

**Index Terms**

Computer Science Databases

**Keywords**

Performance tuning of database based on cardinality estimation Analysis of cost and time parameters.
Performance Tuning in Database Management System based on Analysis of Combination of Time and Cost Parameter through Neural Network Learning