Abstract

At this final project implement case based reasoning method with simulated annealing in the case of computer purchase. Case based reasoning method is a method which to solve a problem, utilizing knowledge of the cases was there before. But if there are new cases that have no resemblance to the previous case it is necessary to search the solution of new cases. The process of finding new solutions to the case based reasoning is the adaptation, by applying other methods simulated annealing process at adaptation of case based reasoning system can solve new cases, although the case has no resemblance to the previous case.

In the case of computer purchase there is a solution search space which is very large, therefore the need for heuristic search for finding a solution. Simulated annealing method is one of the heuristic method. By using constraint, the cost function and the corresponding parameter values the simulated annealing can produce a solution that suits the user. From the test results can be concluded that the system spent 100% valid in accordance with user needs.

Keywords: *Case-based reasoning, Simulated Annealing, Adaptation ,Heuristic, Knowledge*.