Abstract

Scheduling problems are multi-constrained and NP-Hard problems. This paper deals with the faculty assignment problem. Objective of this paper is to assign the faculty to exam halls. This problem is tested on real world dataset from Rajarambapu institute of technology. This paper attempts to solve the problem by using particle swarm optimization algorithm and its variation and analysis of both approaches are shown.

References

25th workshop of the UK planning and scheduling special interest group. 2006.


6. Ademir Aparecido Constantino, Walter Marcondes Filho, Dario Landa-Silva, "Iterated Heuristic Algorithms for the Classroom Assignment Problem".


8. Qinghai Bai, "Analysis of Particle Swarm Optimization Algorithm", February 2010


Index Terms

Computer Science  Algorithms
Keywords

Scheduling, faculty assignment problem, Particle swarm optimization, discrete particle swarm optimization.