ABSTRACT

The proposed Soft code and Soft Computing algorithms such as Genetic Algorithm, Ant Colony Optimization, Particle Swarm Optimization, Fuzzy logic and Neural Network are used for both Static and Dynamic Business Intelligence (BI) optimization problems and Enterprise Resource Planning (ERP) solutions. Convergence is guaranteed. The proposed Hybrid algorithms combining solution constructed by “probabilistic constructive” with local search algorithms yield significantly improved solution.

For Example Materials management and Financial Management presents materials and financials management functions at both the organizational and project levels. It focuses on practices and procedures for developing and improving an organization's materials and financial management functions. It addresses the increased integration of the management process throughout the project life cycle, and tackles the challenges associated with the extended supplier base, global sourcing, and longer lead times and financial risk. It discusses specific issues relative to contracting services, and looks ahead at critical emerging issues.

The Proposed algorithms constrained by linear thinking it is hard for us to understand how all the various parts of the system interact and add up to the whole. It is very important to understand how large scale emergent patterns and behaviors can result from the actions and interactions of the individual components of a BI system. It is imperative to analyses strategies required for Global Optimization.