Today supplier selection is a critical and demanding process for the industry, which provides the company with the accurate product/raw material and/or services at the right price at the right time and in the required quantities. Consequently, supplier selection become very important for maintaining planned association. The objective of this paper is to introduce a method of supplier selection based on multiagent and fuzzy decision making techniques include with risk factor for
the selection of supplier. The proposed method combines the multi agent technique and fuzzy decision making technique for supplier selection. Finally this integrated model is illustrated by an example in an existing firm to validate the proposed model. By applying the concept of risk factor analysis, ranking values of supplier are converted in final pricing model to set segmented price.

Reference

A Multi-Agent System for Management of Supplier Selection Process in a Fuzzy Supply Chain

(2010) 24–30

Index Terms

Computer Science Expert Systems

Key words

Agent Fuzzy Decision making Techniques
Supply Chain