

A Fuzzy Decision Making Approach for Supplier Selection in Healthcare Industry

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Abstract : Supplier evaluation and selection is one of the most important components of an effective supply chain management system. Due to the expanding competition in healthcare, selecting the right medical device suppliers offers great potential for increasing quality while decreasing costs. This paper proposes a fuzzy decision making approach for medical supplier selection. A real-world medical device supplier selection problem is presented to illustrate the application of the proposed decision methodology.

Keywords : fuzzy decision making, fuzzy multiple objective programming, medical supply chain, supplier selection

Conference Title : ICSCLE 2014 : International Conference on Supply Chain and Logistics Engineering

Conference Location : Madrid, Spain

Conference Dates : March 27-28, 2014