Abstract

This paper is based on intuitionistic fuzzy sets, we introduce an extension of fuzzy TOPSIS for multi criteria decision making problem in intuitionistic fuzzy environment. Intuitionistic fuzzy sets are more suitable to deal with uncertainty than other generalized forms of fuzzy sets. The rating of each alternative and the weight of each criterion are expressed in intuitionistic fuzzy sets. The normalized intuitionistic fuzzy number is calculated by using the concept of

References


Index Terms

Computer Science Fuzzy Systems
Keywords

Intuitionistic fuzzy number, ranking of intuitionistic fuzzy number, positive ideal solution, negative ideal solution, multicriteria decision making