عنوان مقاله:

A New Fuzzy MCDM Model to Evaluate Mobile Phone Alternatives

نویسنده:

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خلاصه مقاله:

The aim of this study is to propose a Fuzzy multi-criteria decision making approach (FMCDM) in order to evaluate mobile phone alternatives, with due attention to the rating of qualitative criteria and sub-criteria that are considered as linguistic variables. Two FMCDM methods are proposed in solving the MCDM problem: Fuzzy Analytic Hierarchy Process (FAHP) is applied to determine the relative importance of evaluation criteria and the extension of the Fuzzy Technique for Order Preference by Similarity to Ideal Solution (FTOPSIS) is applied to rank the weights of mobile phone alternatives. Empirical results show that the proposed method is viable approaches in solving problem. When the performance ratings are vague and imprecise, this Fuzzy MCDM is a preferred solution method.

کلمات کلیدی:
FMCDM, FAHP, FTOPSIS