Abstract

This paper proposes improvements concerning the analysis and the evaluation of tenders in the tendering process. At first, a new method of analysis and evaluation of tenders using the rule of proportion is proposed. Secondly, the principles of fuzzy logic are introduced in order to reconsider limits from the classical logic in the analysis and evaluation of tenders. This work is a step towards the modeling of an IT solution integrating the concepts of artificial intelligence and decision support in the context of e-government (e-tendering).

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**Index Terms**

Computer Science  Fuzzy Systems

**Keywords**

Tendering  Artificial intelligence  Decision support  Fuzzy logic  Rule of proportion

Public procurement

Method of analysis and evaluation of tenders

Company

State
e-tendering

e-government

dematerialization

IT solutions.