Abstract

Multi criterion Decision Making (MCDM) methods are widely applied in many domains for finding rank based on the available conflicting nature of the criteria and to choose the best alternative. MCDM methods comprise of complex mathematical calculations which required time to solve, especially, when number of criteria and alternatives are more. In order to automate the process software is required to develop, which will provide an interactive and dynamic way to solve problems with n numbers of ranks of the alternatives. This paper introduces developed software for solving MCDM based problems, including many MCDM methods and to evaluate the performance of software with two different case studies related to the performance of students.

References

1. Awasthi, A. and Chauhan, S.S. 2012. A hybrid approach integrating affinity diagram, AHP and fuzzy TOPSIS for sustainable city logistics planning, Applied Mathematical Modelling,


Index Terms

Computer Science  Software Engineering

Keywords

Student Performance Ranking, Multi Criterion Decision Making, Fuzzy TOPSIS, Fuzzy.