Abstract

Metagraphs are graphical hierarchical structure in which every node is a set having one or more elements. Fuzzy Metagraph and Vague Metagraph are an emerging technique used in the design of many information processing systems like transaction processing systems, Decision Support Systems (DSS), and workflow Systems. In this paper, distinct matrixes have been proposed for Fuzzy Metagraph and Vague Metagraph respectively. This method has reduced time complexity and space complexity. In complex situations, our Fuzzy Expert System integrated with the metagraphs will yield goods decision as quickly as possible. The main purpose of this DSS is to help a user make effective and quick decisions that the user can concentrate only on solving the problem.

References


Index Terms

Computer Science  
Artificial Intelligence
Keywords
Fuzzy Metagraph  Vague Metagraph  adjacency matrix