

Academic Staff Selection Using Fuzzy VIKOR and Fuzzy TOPSIS Decision Making Method

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Abstract: *The decision-making method is a process for selecting the optimal preference based on the available evidence. The process involves selecting several qualified individuals from an academic institution based on criteria such as academic qualifications, experience, anticipated salary, topic proficiency, research activities, technical skills, and communication abilities. Such selections can be unclear and difficult to define within the multi-criteria decision-making process. The VIKOR technique establishes a compromise ranking list, identifies a compromise solution, and assesses weight stability, concentrating on the ranking and selection of alternatives for academic data. VIKOR and TOPSIS can analyze the selections, and TOPSIS can rank candidates based on their academic performance. This research presents a comparative analysis of alternative rankings utilizing VIKOR and TOPSIS for various competent individuals within an academic institution.*

Keywords: MDCM, Entropy Method, VIKOR, TOPSIS

