عنوان مقاله:

Identification of Factors Affecting Quality of Teaching Engineering Drawing using a Hybrid MCDM Model

محل انتشار:

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نویسندگان:

H. Haghshenas Gorgani - *Engineering Graphics Center, Sharif University of Technology, Tehran, Iran.*

A. R. Jahantigh Pak - *Engineering Graphics Center, Sharif University of Technology, Tehran, Iran.*

خلاصه مقاله:

Identification of the factors affecting teaching quality of engineering drawing and interaction between them is necessary until it is determined which manipulation will improve the quality of teaching this course. Since the above issue is a Multi-Criteria Decision Making (MCDM) problem and on the other hand, we are faced with human factors, the Fuzzy DEMATEL method is suggested for solving it. Also, because DEMATEL analysis does not lead to a weighting of the criteria, it is combined with the ANP and a hybrid fuzzy DEMATEL-ANP (FDANP) methodology is used. The results of investigating 7 Dimensions and 21 Criteria show that the quality of teaching this course increases, if the updated teaching methods and contents to be used, the evaluation policy to be tailored to the course, the course professor and his/her assistants be available to correct students mistakes and there is also an interactive system based on student comments.

کلمات کلیدی:

teaching, engineering drawing, DEMATEL, ANP, fuzzy logic

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