Title:
The proposing a framework for identification and prioritizing of effective factors in project success by knowledge management approach using multiple criteria decision making(Topsis Fazzy) the case of Turbo Compressor Sepahan Co.

Abstract:
The Sepahan compressor company is a knowledge-based company whose most serious problem in today's trade world is the increase in cost and time. This problem is mostly observed in the larger companies. Therefore, considering the growth and development of trading and the prediction of the future process of the products, the aim of the present research is to recognize and prioritize the success factors of the project adopting the knowledge management approach in the Sepahan compressor company. To this aim, a descriptive, survey, case study was conducted in which a questionnaire was used to gather the opinions of elite professors, experts, engineers, managers, and employees about the project success and information and knowledge management. Factor analysis was used to recognize the key factors of the project success and knowledge management and then Pearson correlation method was adopted to analyze the correlation between project success factors and knowledge management. Moreover, Fuzzy TOPSIS method was used to rank the project key factors with a knowledge management approach. After the confirmation of the content validity, the results revealed that knowledge management strategy, infrastructures, the human resource training and information technology are the main influential factors in knowledge management. Estimation of the costs and budget, quality management, manager’s capabilities, team abilities, valid information, strategies update, capability of contractors and response to the customers' needs were shown to be the key factors in the project success. The results obtained from Fuzzy TOPSIS showed that product quality management system, real estimation of project time and budget, the existence of a skillful capable project team, and experience and expertise are of more significant importance and need more attention.

Keywords: project success, knowledge management, Fuzzy TOPSIS, factor analysis, Sepahan Compressor