ISTANBUL KÜLTÜR UNIVERSITY
DEPARTMENT OF INDUSTRIAL ENGINEERING

SEMINAR SERIES

A Fuzzy Model for Cross-functional Team Formation based on Personality Traits

by

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Abstract:

Despite the significance of cross-functional teams in today's business environment, a few analytical approaches have been proposed for team formation problem. The objective of this paper is to propose a cross-functional team formation model by which a predetermined number of individuals are selected from various expertise groups based on their personalities. The proposed model employs Five-Factor Model of personality traits as a framework for the assessment of team members' personalities. However, an inherent problem in team formation is that assessing team member candidates with respect to these personality traits involves vagueness and subjectivity. In addition, the target level of personality traits in a team cannot be set precisely as it depends on the objectives and tasks that a team is expected to realize. Based on these premises, a fuzzy goal programming model for team member selection is proposed and demonstrated with an illustrative example.

All interested are cordially invited.

Date : July 30, 2018

Time : 11:00 – 12:00

Room : 2nd Floor Seminar Room