عنوان مقاله:

An integrated QFD-TOPSIS method for prioritization of major lean tools: a case study

محل انتشار:

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نویسندگان:

A. Devnath - *Department of Industrial Engineering and Management, Khulna University of Engineering and Technology, Khulna-9203, Bangladesh.*

Md. S. Islam - *Department of Industrial Engineering and Management, Khulna University of Engineering and Technology, Khulna-9203, Bangladesh.*

S. Rashid - *Department of Industrial Engineering and Management, Khulna University of Engineering and Technology, Khulna-9203, Bangladesh.*

E. Islam - *Department of Industrial Engineering and Management, Khulna University of Engineering and Technology, Khulna-9203, Bangladesh.*

خلاصه مقاله:

Selecting the right lean tool is one of the most challenging tasks for decision-makers. This research represents an integration of two methods, Quality Function Deployment (QFD) and TOPSIS, to evaluate and prioritize the lean tools. The aim of this research is to propose an integrated QFD-TOPSIS method for finding and ranking the major wastes on a production floor and also prioritize lean tools for eliminating them. The proposed model consists of House Of Quality (HOQ) to identify major waste signs which transform them into seven wastes. A set of relative weights of the wastes were then determined which were input in the TOPSIS method to prioritize suitable lean tools.

کلمات کلیدی:

Quality Function Deployment, TOPSIS, HOQ, Lean Tools, Waste

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