

Abstract

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A Systematic approach for prioritizing lean practices using AHP

This paper explores some criteria for Selecting the appropriate lean implementation approach. In addition, it proposes using analytic hierarchy process (AHP) methodology to prioritize and Select the appropriate lean program to be implemented. A case study is used to tryout the AHP model. The research findings identified that the main Selection criteria are cost, productivity, quality and lead time. In addition, it revealed that AHP can play an important role in reaching a consensus about the ranking of lean bundles of practices in accordance to the Selection criteria.