Abstract

Lean system consists of best common sense practices for optimum resource utilization. Green manufacturing focuses on practices which reduce negative impacts on the environment. Global market conditions forced organizations to adopt Green-Lean (GL) concepts in the last few years. This paper focuses on the significant lean practices impacting the environment. The lean practices act as driver for sustainable implementation of GL system. For adoption of GL systems, significant practice bundles essentially need to be recognized, analyzed and
discussed. In this research, study factors are the GL practice bundles for sustainable implementation. Authors have identified six significant GL practice bundles from literature review and opinion of the experts. The main objectives of this paper are to identify and rank the GL practice bundles for implementation, to develop and to analyzed the interaction between identified GL practice bundles using ISM and to prepare a framework for integrated Green-Lean system implementation.

References


Index Terms

Computer Science
Green Computing

Keywords

Green; Lean; Green-lean (gl); Practices; Practice Bundles; Interpretive Structural Modelling (ism)