

Self-Assessment Model for Sustainable Progress in Pharmaceutical Sector

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Abstract:

Lean tools have proven the importance for eliminating wastes, and improving process, however this methodology is not sufficient for sustainable progress. Sustainability takes a very important place in the overall strategy's companies. It is a response to the various issues for industrial companies as economic, environmental, social, and stakeholder's pressure. The integration between green and lean can be a way to build greener health care system. The present study proposes a self-assessment model to assess the degree of green lean maturity within organization, using the worst best method (BWM) as multi criteria decision-making framework. For this, a literature review was conducted to analyze the strengths and limitations of different frameworks and models of Green Lean approach. The proposed tool was implemented in manufacturing company operating in the pharmaceutical sector. The proposed assessment model provides guidelines and operating conditions to companies wishing implementing Green Lean. The outcomes of this study will help pharmaceutical companies to carry out the Green Lean initiatives in order to contribute to sustainability and then to the overall performance of the company.

Keywords:

Lean, Green, sustainability, pharmacy