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A CRITICAL REVIEW ON LEAN GREEN PRODUCT DEVELOPMENT: STATE OF ART AND PROPOSED CONCEPTUAL FRAMEWORK

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Abstract

The latent relationships between lean product development (PD) and green PD appear to be in its infancy in literature. Thus, the main objective of this research is to uncover the intersection of lean and green with PD issues, by building a conceptual framework of the field and proposing synergies among practices from these paradigms. A research design is proposed listing the lean and green practices in PD through a systematic literature review process. Firstly, papers were gathered from international peer-reviewed journal articles. Secondly, a total of 38 papers were assessed by quantitative indicators and evaluated using content analysis. This research contributes with an analysis of the main topics of lean and green paradigms revealed in the literature and provides a comprehensive list of lean PD and green PD practices, drivers, and barriers. Finally, lean and green synergistic propositions in PD field are discussed.

Keywords: conceptual framework, green, lean, literature review, product development

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