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A methodology for the assessment of experiential learning lean

The Lean Experience Factory case study

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Abstract

Purpose – The purpose of this paper is to present a methodology to assess the experiential learning processes of learning lean in an innovative learning environment: the lean model factories.

Design/methodology/approach – A literature review on learning and lean management literatures was carried out to design the methodology. Then, a case study methodology was used to test the framework.

Findings – The methodology permitted to assess learning processes and course contents of educational dynamics carried out in model factories and to theoretically ground such learning processes. The test showed that learning lean management is supported through a complete coverage of the eight phases of the learning path.

Research limitations/implications – The methodology contributes to the literatures of lean management and experiential learning, proposing a methodology of assessment. Part of the framework could also be applied to other disciplines.

Practical implications – The methodology could be used for two purposes: to design training courses or to assess existing experiential learning courses.

Originality/value – Due to its intrinsic complexity, learning literature presents few practical framework or tools. Among them, none have provided practical and theoretical-based advice on how to use experiential learning precepts to teach lean management.

Keywords Case studies, Lean production, Assessments, Learning, Adult education, Experiential learning

Paper type Case study



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