

CONCEPTUAL FRAMEWORK OF DATA INTEGRITY WITHIN APPLICATION INTEGRATION AND ERP BASED LEAN PRODUCTION

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Abstract:

Purpose - Faced with the new paradigm of ERP-Lean Production, many companies are in the challenge to build a hybrid approach of both Enterprise resource planning (ERP) and Lean Production. ERP and lean production recognized in the world as the famous production system for manufacturing. The objective of the systems improves productivity and reduce the cost of production. Ideally, the ERP system is cannot be implemented as a standalone system but integrated with another application in Application Integration. Moreover, data integrity is one of a considerate indicator of integration between ERP-Lean and Application Integration. This study aims to present a conceptual framework of data quality between ERP-Lean and Application Integration by bringing out related factors and insights to help researchers understand the importance of data integrity from Application Integration to ERP-Lean.

Design/Methodology/Approach - The methodology used for this paper is literature survey. Literature collected through journals within the area of data integrity, ERP-Lean implementation and Application Integration. To support rigorousness of research, textbook, conference paper, white paper, and dissertations have omitted from the following investigation. This paper analyzes the paper that issued after the year 2000.

Findings - Identification of data integrity factors and framework based on research of hybrid production system of ERP and Lean Production.

Originality / Value - This paper identified the need to study the interactions of data integrity between Application Integration and ERP-Based Lean Production

Keywords - Data Integrity, Application Integration, ERP, Lean Production