

Student/Bachelor/Diplom/Master-Arbeit

Theme: Engineering Change Management IT requirements in Product Lifecycle

Engineering Change Management (ECM) is proven to be one of the primary influential factors in product quality as well as product lifecycle costs and leadtime. Having an efficient ECM process could provide the organizations with a core competency compared to its competitors. The recent technology enhancements have revolutionized the way to handle Engineering Changes and has become the main target for improvement activities.

Objectives:

The main objective of this Studien-/Diplom-/Bachelor-/Masterarbeit is to identify the main aspects of ECM processes and to provide a comprehensive set of requirements for a Decision-Support system in this respect.

Work content:

- I. Analysis of ECM activities and processes
- II. Identification of general requirements for ECM IT support
- III. Analysis of available methodologies for measuring the ECM performance and their pros and cons
- IV. Documentation and presentation of the results

Keywords:

Engineering Change Management, Performance Improvement, Decision-support Systems

Target group:

students of all disciplines, notably industrial engineering, mechanical engineering and computer science

We offer:

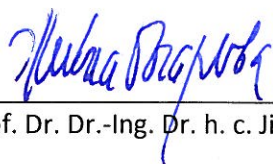
Contributing to current industry-related research projects

To provide basic knowledge on the task

Support in the preparation of the work

Opportunity for collaboration in scientific publications (conference papers, journal, etc.)

No Programming Skills required



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