Elicitation of Requirements for a Knowledge-Based Framework in Product Development Process

Abstract: The main challenge in product development process (PDP) is to develop new or substantially improved, less expensive products and reduce time-to-market. In order to achieve these goals the product development process has to be supported by knowledge management tools. Therefore knowledge is becoming a key success factor in the product development process. Especially internal knowledge related with engineering process has to be situation-induced available within a company. Before the knowledge tools can be implemented the elicitation of requirements is necessary. In this paper elicitation of requirements for creating of knowledge-based framework to support virtual product and process development is presented. In this context the simulation process in engineering companies is examined as a process with high optimizing potential. This paper presents a methodology for gathering of requirements for knowledge-based framework in PDP. It is based on the workflows that are characterized by the SIPOC's elements. According this approach, the requirements for knowledge management system can be traced along the
organizations workflows.

Stichworte:
requirements elicitation, knowledge management, SIPOC, product development process

Kongress- / Buchtitel:
11th International Conference on Knowledge Management (ICKM2015)

Datum der Konferenz:
04.11.-06.11.2015

Jahr:
2015

Quartal:
4. Quartal

Hinweise:
Entwicklungsprozesse

Semester (für SAP-Datenerfassung):
WS 15-16

Occurences:
- Einrichtungen > Fakultäten > Fakultät für Maschinenwesen > Institut für Mechatronik > Lehrstuhl für Produktentwicklung, Konstruktionsystematik und Leichtbau (Prof. Zimmermann) > Konferenzbeiträge
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