I-HMI and LT-SOS in PDM Systems
Implementing AI Concepts for The Advancement of Multiple Role Based User Oriented Product Data Management Systems
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Resumo de I-Hmi and LT-SOS in Pdm Systems

Product Data Management (PDM) desktop and web based systems maintain the organization's technical and managerial data to increase the quality of products by improving the processes of development, business process flows, change management, product structure management, project tracking and resource planning. Though PDM is heavily benefiting industry but PDM community is still facing some serious unresolved issues in PDM system development i.e., unfriendly web based graphical user interface with massive controls and unintelligent way of searching records. I strongly believe that if a product is very with lots of benefits (e.g PDM System) but not easily adoptable by its users then in most of the cases it becomes a failure in industry. The goal of this research was to support the field of PDM with a new proposition of a conceptual model for the implementation of natural language based search and flexible web based graphical user interface including the capabilities for knowledge management. Residing with in the scope, proposed conceptual model was successfully designed and implementation in the form of a prototype, and compared with some existing real time PDM Systems.

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