

ABSTRACT

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DESIGNING ENTERPRISE ARCHITECTURE FOR WAREHOUSE MANAGEMENT SYSTEM USING TOGAF ADM FRAMEWORK IN A AUTOMOTIVE PAINT MANUFACTURING COMPANY

The analysis of the business processes of a manufacturing company specializing in the production of automotive paint has identified several issues that have the potential to hinder operations. One of the key issues is the misalignment between warehouse inventory data and the Enterprise Resource Planning (ERP) system currently in use. This discrepancy can lead to errors in strategic decision-making. To address this issue, this study applies Enterprise Architecture (EA) design using The Open Group Architecture Framework (TOGAF) and the Architecture Development Method (ADM). The scope of the design is limited to several key phases, including the Preliminary Phase, Architecture Vision, Business Architecture, Information Systems Architecture, and Technology Architecture. The primary objective of this research is to identify business processes and develop an Information System/Information Technology (IS/IT) blueprint that aligns with the company's business and operational needs. The outcome of this study is an Enterprise Architecture design aimed at supporting business processes and warehouse management operations, as well as developing an information system capable of meeting the company's business strategy requirements. The resulting blueprint encompasses the four main components of TOGAF: Architecture Vision, Business Architecture, Information Systems Architecture, and Technology Architecture..

Keywords: Enterprise, Architecture, TOGAF, ADM, Warehouse.

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Bibliography (2020 – 2024)