

THE ROLE OF SAP ADVANCED VARIANT CONFIGURATION (AVC) IN MODERNIZING CORE SYSTEMS

Prakash Subramani¹, Priyank Mohan², Rahul Arulkumar³, Om Goel⁴, Dr. Lalit Kumar⁵, Prof.(Dr.) & Arpit Jain⁶

¹Madras University, Chennai, India

²Seattle University, USA

³University at Buffalo, New York, USA

⁴ABES Engineering College Ghaziabad, India

⁵Asso. Prof, Dept. of Computer Application IILM University Greater Noida, India

⁶KL University, Vijaywada, Andhra Pradesh, India

ABSTRACT

In the ever-evolving landscape of business operations, companies increasingly seek innovative solutions to enhance their core systems and respond to market demands. SAP Advanced Variant Configuration (AVC) emerges as a pivotal tool in this modernization journey, enabling organizations to effectively manage complex product configurations. By leveraging AVC, businesses can streamline their manufacturing processes, optimize inventory management, and deliver customized products that meet the unique needs of their customers.

This paper explores the transformative impact of SAP AVC on core systems, highlighting its capabilities in automating configuration processes and improving efficiency. The integration of AVC with SAP's core modules facilitates real-time data processing and analysis, fostering a more agile response to changing customer preferences. Moreover, the paper discusses how AVC supports strategic decision-making by providing accurate product information and reducing time-to-market for new offerings.

Through case studies and practical insights, this research illustrates the successful implementation of SAP AVC in various industries, emphasizing its role in enhancing operational performance and driving competitive advantage. Ultimately, this study underscores the necessity of adopting advanced configuration solutions like SAP AVC as integral components of a modernized enterprise architecture, equipping businesses to thrive in a dynamic market environment. The findings suggest that organizations embracing SAP AVC not only achieve operational excellence but also cultivate stronger customer relationships through tailored solutions, thereby positioning themselves for sustainable growth.

KEYWORDS: *SAP Advanced Variant Configuration, Core System Modernization, Product Configuration Management, Manufacturing Process Optimization, Inventory Management, Real-Time Data Processing, Customer Customization, Operational Efficiency, Enterprise Architecture, Competitive Advantage*

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