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CUSTOMIZATION AND ENHANCEMENTS IN SAP ECC USING ABAP

Sandhyarani Ganipaneni[1], Sivaprasad Nadukuru[2], Swetha Singiri[3], Om Goel[4], Pandi Kirupa Gopalakrishna[5] & Prof.(Dr.) Arpit Jain[6]

[1]Scholar, Jawaharlal Nehru Technological University, Hyderabad, Telangana, India

[2]Scholar, Sivaprasad Nadukuru, Andhra University, St, Acowrth, GA 30102, USA

[3]Scholar, JNTU University, Hyderabad – India

[4]Independent Researcher, ABES Engineering College Ghaziabad

[5]Independent Researcher, Campbellsville University Hayward, CA, 94542, USA

[6]Scholar, Kl University, Vijaywada, Andhra Pradesh, India

ABSTRACT

Customization and enhancements in SAP ECC (ERP Central Component) are pivotal for organizations to tailor SAP systems according to specific business needs, ensuring flexibility and scalability. ABAP (Advanced Business Application Programming) plays a critical role in this process, providing a robust development platform to implement tailored solutions within the SAP environment. This paper explores various methods of customizing and enhancing SAP ECC functionalities using ABAP, focusing on user exits, BAdIs (Business Add-Ins), and enhancement spots.

These techniques allow developers to modify standard SAP processes without altering the core codebase, thus maintaining system integrity while addressing unique business requirements. The implementation of customer-specific reports, custom transactions, and workflow automation are examined as part of enhancing the SAP ECC framework. Furthermore, this study highlights the integration of ABAP with modern technologies such as SAP Fiori and SAP HANA to achieve optimized performance and user-friendly interfaces.

The research also delves into the importance of adopting a strategic approach to customizations to avoid overcomplicating the system and hindering future upgrades. Through ABAP's versatile capabilities, organizations can seamlessly extend their ERP functionality, achieve process optimization, and enhance operational efficiency. This paper concludes with best practices for SAP ECC customization and enhancement, ensuring alignment with evolving business processes and technological advancements.

KEYWORDS: SAP ECC Customization, ABAP Enhancements, User Exits, BAdIs, Enhancement Spots, SAP Fiori Integration, SAP HANA Optimization, ERP Scalability, Workflow Automation, Business Process Customization, System Integrity