

# Review on Integrated Banking Systems Using Enterprise Resource Planning

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## Abstract:

An Enterprise Resource Planning software has become a daily requirement for all types of businesses nowadays. Enterprise Resource Planning software is being used to make the uncomfortable exercise of maintaining all of a company's fundamental activities, easier. Therefore, the majority of firms use Enterprise Resource Planning software which are coupled with apps which handle internal activities such as controlling daily operations, inventories, economic information protection, project management, etc. However, they ultimately depend on certain resources to manage the majority of their commercial transactions, and that becomes a huge issue. A combination of an effective Enterprise system along with a discerning banking solution may completely change the way accountancy is done recently, offering the ability needed to handle sensitive, specific company's transactions for seamless cash management. This study examines the many tech-innovation alternatives that have been presented.

**Keywords —Enterprise Resource Planning (ERP) Software, Banking systems, Cash Management.**

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## I. INTRODUCTION

Corporations require a strategic financial system inside their Enterprise Resource Planning for a range of factors, including convenient and simple transaction reconciling, multiple remittance channels, simple discharges, transaction routing, and so forth. They usually include features for maintaining banks relationships, signature information, increasing efficiency, and ensuring pliability via centrally administering the procedure in a clear and verifiable manner throughout the worldwide community. Banking services serve a key role in maintaining governments, businesses, and individuals monetarily up - to - date on a regular basis all around the globe. Whilst the

institution's reach may extend throughout the world, banking relationships remain regional.

As a result, one of these significant concerns in this situation is to strike the correct balance between the platform's characteristics and business's proactive risk regulations. The bulk of these functions are nearly the same across all presently accessible alternatives. Incorporation of additional capabilities as well as security is a must-have.

## II. LITERATURE SURVEY

This study explores several tech-innovative approaches for the usage of banking systems that highlights the results of implementation of ERP show a significant improvement:

1) Despite the prevalence of Enterprise Resource Planning implementation in back-office areas, financial institutions view Enterprise applications as a lengthy growth strategy in improving organisational usefulness, according to publication [1], which analysed utilization of ERP systems by the most prominent global banks. The merits, drawbacks, and performance of ERP installation are discussed in this study. As a result, there is a need for a comprehensive one-stop offering. It exhibits Enterprise Resource Planning utilisation data for the Globe's most prominent Banking and reveals only half is covered by ERP. According to research findings, major usefulness of Enterprise Resource Planning use for bankers includes enhanced data openness, standardised and highly effective operational activities. This addresses immediate as well as tangential consequences of Enterprise Resource Planning implementation. This addresses the efficiency of the program as well as problems that must be overcome. Lack of stability remains one of the downsides, while some include mostly technology and tactic related. [1]

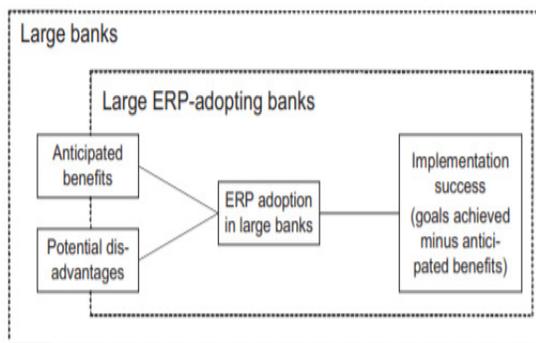


Fig 1 : This picture[1] displays an overarching structure for a narrative qualitative study technique used throughout this article. This article describes predicted advantages as well as possible disadvantages of Enterprise Resource Planning software as viewed by most financial institutions polled, regardless of existing ERP expertise, for the evaluation

of the concessions and impediments of Enterprise Resource Planning implementation. The operationaleffectiveness that ERP consumers credit to their ERP is analyzed since ERP customers' experiences are likely to have a significant influence on subsequent ERP adoption. [1]

2) A further article which shows Redesigning of Treasuries Procedures is [2]. Its goal is to investigate the effects of organizational replacement caused by use of strategic planning to adopt fintech in the Finance Department. The findings reveal that a transformation seemed to have a substantial impact on the accounting dept's technical, organizational, and social elements. Perhaps it demonstrates validity ofinterconnections among the many aspects. With respect to technology, the finance SAP R/3 package enabled, among other aspects, a boost in the effectiveness of CM activities and convergence of CM's foundations in value date. It also highlights the flip side of the equation, where decentralization of CM procedures to install the finance SAP R/3 package led to layoffs. [2]

3) A report that's demonstrated overall significant differences at how SMEs inDutch industry maximise cash flow. The purpose of this article is to identify disparities in Working Capital Management (WCM) among different sized businesses in the Dutch economy. Additionally, the experiment is intended at determining how different sized businesses may enhance their WCM. To acquire thorough knowledge, the Qualitative Studies approach is employed. The core sample for study was gained through questions, while the secondary information was gained through databases. According to study, there are significant variances in how SMEs maximise cash flow among Dutch businesses, and prospects for FSCM

implementation.[3]

- 4) This discusses the distinct categorization of important performance goals in ERP development procedure. ERP advantages will not be completely achieved until a solid realignment and mediation procedure depending on logical centric concepts is built among technological and functional essentials. This highlights the significance of keeping a balanced view in order to make educated decisions that will help the company achieve its goals. It demonstrates how ERP enables businesses to respond quickly to intense competition and product offerings, minimise record, and manage tight distribution network interconnections. It investigates the cost-benefit connection for ERP. It also explains how the effort will be judged. [4]
- 5) This investigates interrelationships among industrial companies' characteristics along with overall purported value using Enterprise Resource Planning software assumptions. Observed ERP advantages have been assessed on 2 phases: (1) organization magnitude and (2) magnitude of given IT modules. These findings found that current values of Enterprise Resource Planning initiatives were more consistently described for magnitudes of particular Information Technology modules.[5]
- 6) Impact of Enterprise Resource Planning software on business togetherness and processing fees is examined. ERPs are anticipated to:
  - reduce costs by increasing efficiency via mechanisation
  - Improve conclusion-analysis via delivering relevant and complete information throughout the company. The impacts must be linked to improved organizational effectiveness.

After adjusting internal variability, this study does not indicate any significant improvement in excess revenue or the proportion of sales, purchasing, and management costs in any of three years following ERP system's adoption.[6]

- 7) This paper demonstrates obvious benefits that are witnessed by numerous businesses, the achievement of its execution can only be achieved by ignoring the common pitfalls that result in disaster. This article discusses the several factors that contribute to ERP system installation difficulties, such as poor requirements specification, customer opposition to new technologies, among others. Various options to Enterprise Resource Planning software deployment were utilised, like comprehensive, pilot, and phased approaches, however the effectiveness of ERP system installation is determined by the organisational structure. Several companies have spent a lot of hours and resources on ERP deployment. Their productivity stagnated owing to conflicting ideologies with the project execution. ERP software adoption remains to be a tedious procedure, and during that time, quality of everyday organisation operations might deteriorate. Several concerns associated with new company operations are there; as a result, many advice on the prevention of ERP disasters. [7]
- 8) Inside Asia, commercial banks boosted overall utilisation technologies to simplify procedures, extend as well as enhance commercial facilities to decrease the losses. In Spite of functioning in a mostly currency and pen paper transaction culture, this area's commercial banks have steadily implemented electronic commerce along with transaction technologies like Online transactions, digital remittance, including mobile business. Such advances, alongside growing deregulation, is resulting in the

emergence of advanced rivals, stock institutions, tools, and unoccupied positions for the banking industry as fintech. The research looks into technology advancements that influenced design, efficiency, as well as competitiveness. The critical discussion included in this study, discusses these dynamics of IT's investments in banks. and outlines concerns that need investigation.[8]

- 9) This examines why service quality is raised and why relationship-banking success is assessed and tied to directors' remuneration. For collecting and assessing information, grounded theory is used. Sample surveys on relationships management and company finance executives were done to acquire statistical evidence to back up claims. Client connections are discovered to be a vital tool.[9]
- 10) Within-company questionnaires have been used for assessing relationships approach, operational excellence, relationship management goals, Consumer data is gathered via various client interactions in banks after which this is integrated and evaluated. Client Understanding has been gained; long-term competitive strategies have been established. Externally, Perceived Quality and Brand piety were assessed. Relationship banking quality was assessed using Service Quality and Risk Adjusted Return on Assets (RAROA), and relationships executives were compensated accordingly. [10]
- 11) This report provides several elements which impact few of the ERP expenses and benefits which companies are attaining, based on organizational information processing theory (OIPT). However, this study doesn't really begin to answer all of the important problems that could be attributed to ERP's

effectiveness, which mainly highlight 2 organizational traits which have been overlooked during previous ERP research: interconnectedness and distinctiveness. Due to ERP's capacity for synchronizing activities as well as easing information transfers, there is a strong level of dependency across organizational subunits, which adds to the beneficial E - commerce impacts. Whenever the subunits difference comes out to be high, nevertheless, businesses can face Enterprise Resource Planning-related compromises and installation costs. This includes the literature review which looks into the application's practicality. This report explains few of ERP's local effects as well as provides proof for the concept's reliability. Surprising results have been presented too.[11]

- 12) During the implementation of (ERP) software, upper executives frequently encounter an unanticipated reaction from intended consumers. They fight the installation for various reasons, which may result in the ERP system failing. As a result, top leadership should use continuous quality improvement tools and approaches to address this issue. In this work, we review the research on continuous quality improvement techniques and procedures. A case study of MADAR was provided in order to learn about the tactics and procedures that were utilized to develop a great business system.[12]
- 13) The findings of an experimental research conducted in 7 Venezuela firms that effectively adopted ERP software are presented here. The information was gathered using questionnaires with the 7 team leaders of the ERP execution process at these businesses. The aim of this research was to learn about project teams' perspectives on diverse components and actions of the ERP implementation process which are intimately connected to the Critical Success Factors (FCEs) for this type of project. The FCEs

were discovered after a thorough literature review.[13]

- 14) The deployment of ERP is a sophisticated project with a plethora of impacting elements that might influence its effectiveness. The following are the two goals of this article: (I) reorganize the workflow using basic project management methods and concepts to decrease overhead. (II) Form a sustainable framework that is mostly unaffected by modest disturbances. This model's twenty-eight Key Success Factors (CSFs) are divided into five distinct groupings termed roles.[14]

### III. CONCLUSION

Usage of Enterprise Resource Planning Software in the Finance, Payroll Services industry is quite worldwide, although a bulk of people in the particular field are still to accept it. Since, several in above-mentioned articles illustrate, the service's potential usefulness outweighs the solution's possible drawbacks. Effectiveness of this execution is determined by a number of elements, including incorporation of easy-to-understand attributes and capabilities which address prevalent issues. Outcomes of an ERP-based bank account management system are inextricably linked. Many global corporations have been researching this and have released tech which is utilised by a handful of the world's major corporations. Huge lot of businesses have similar opinions and viewpoints on the use and deployment of ERP. "SAP's important introductions clearly show a change in ERP innovation from apps to equipment, connectivity frameworks. Development of this Infrastructure Services Framework (SAP, 2004) as well as launch of NetWeaver as an essential element of SAP's ERP software testify of this pattern and foretell that such systems could become an entirely sophisticated idea throughout generations that follow." [1]

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