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Cloud-Based Management Information Systems: A Paradigm Shift in Enterprise Resource Planning

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Abstract:

This study explores the transformative impact of cloud-based Management Information Systems (MIS) on Enterprise Resource Planning (ERP) within small to medium-sized enterprises (SMEs) across diverse sectors. Using a mixed-methods approach, the research combines a quantitative survey of 150 professionals and qualitative interviews with 15 decision-makers to examine how cloud technologies enhance decision-making, cost-efficiency, and operational agility. Key findings reveal that tools such as ERP, CRM, and Business Intelligence platforms significantly improve data integration and organizational responsiveness. Regression analysis shows a strong positive relationship between MIS usage and both decision speed ($\beta = 0.48$, $p < 0.01$) and cost-efficiency ($\beta = 0.41$, $p < 0.05$), while resistance to adoption is inversely related to firm size and employee IT literacy ($\beta = -0.36$, $p < 0.05$). Sector-specific analysis underscores contextual variability in adoption outcomes, highlighting the importance of strategic alignment, digital readiness, and cultural adaptability. The study concludes with practical recommendations for enhancing MIS implementation and calls for future research on long-term performance impacts.

Keywords: *Cloud ERP, Management Information Systems, Digital Transformation, Organizational Efficiency, Strategic Alignment, Decision-Making, IT Adoption.*

1. Introduction

In the contemporary business environment, where agility, real-time responsiveness, and data-driven decision-making define competitive advantage, the role of Management Information Systems (MIS) has undergone a significant transformation. Traditionally, Enterprise Resource Planning (ERP) systems were developed as on-premise, capital-intensive solutions aimed at integrating core business functions—such as finance, human resources, inventory, and procurement—into a unified platform. However, with the rapid advancement of cloud computing technologies, organizations are now witnessing a fundamental shift: the emergence and widespread adoption of cloud-based Management Information Systems (CMIS), particularly in the domain of ERP (Yao & Azma, 2022). Cloud-based MIS represent a paradigm shift in the way enterprises manage and deploy information systems. Unlike traditional ERP systems that require substantial investments in physical infrastructure, maintenance, and IT personnel, CMIS offer a scalable, cost-efficient, and accessible alternative hosted over the internet. These systems enable organizations to offload much of the technical complexity to cloud service providers while gaining access to powerful functionalities, seamless updates, and enhanced mobility. The cloud model facilitates on-demand access to data and applications, allowing managers and stakeholders to make informed decisions regardless of location or device (Rahman & Hossain, 2024).

One of the primary drivers of this shift is the growing need for real-time integration of business processes. Today's enterprises operate in volatile markets and increasingly rely on accurate, up-to-date information to remain competitive. Cloud-based ERP systems meet this demand by enabling continuous data flow across departments and delivering analytical insights in real time. Moreover, they support remote and hybrid work environments, which have become prevalent post-COVID-19, further emphasizing the need for digital systems that are both agile and secure (Katuu, 2021).

The benefits of cloud-based MIS go beyond cost savings and convenience. They offer enhanced system flexibility, rapid deployment, automatic updates, and advanced security frameworks, often exceeding what small to medium-sized enterprises (SMEs) could achieve with on-premise solutions. Furthermore, integration with technologies such as artificial intelligence (AI), machine learning (ML), and big data analytics empowers businesses to automate routine tasks, forecast trends, and identify inefficiencies in their operations. In essence, CMIS have become strategic enablers of innovation, agility, and digital transformation. Despite the evident advantages, the transition to cloud-based systems is not without challenges. Issues related to data privacy, vendor lock-in, regulatory compliance, and organizational resistance remain critical considerations for businesses undergoing digital transformation. Moreover, the decision to migrate to cloud ERP solutions demands a well-structured change management strategy, as it affects not only IT infrastructure but also workflows, employee roles, and corporate culture (Mohammad, 2023). This paper explores the evolution and impact of cloud-based MIS on ERP implementation, focusing on their strategic implications, benefits, and challenges. Through a review of academic literature and industry practices, the study aims to highlight how cloud technologies are reshaping enterprise resource planning and redefining the future of business management systems.

2. Literature Review

The evolution of enterprise systems has been extensively studied, especially as cloud technologies continue to disrupt traditional models. This literature review synthesizes key academic and

industry findings to contextualize the rise of cloud-based management information systems (CMIS) and their implications for Enterprise Resource Planning (ERP). Key themes include historical context, advantages, implementation challenges, adoption drivers, and strategic impact.

2.1. Evolution of Management Information Systems and ERP

Management Information Systems (MIS) traditionally referred to centralized platforms designed to support managerial functions by processing internal data to aid decision-making. Over time, these systems evolved into Enterprise Resource Planning (ERP) solutions that integrated various business functions such as accounting, procurement, manufacturing, human resources, and supply chain management (Ashrafuzzaman, 2024). Initially, ERP systems were developed as on-premise installations, requiring extensive IT infrastructure, maintenance, and capital investment (Mahmod et al., 2024). While effective in promoting data integration, these systems often lacked flexibility, scalability, and cost-efficiency, especially for SMEs (Carlsson-Wall et al., 2022). This rigidity paved the way for more agile, cloud-based alternatives.

2.2. The Emergence of Cloud-Based ERP Systems

The advent of cloud computing brought transformative possibilities to enterprise systems. Cloud-based ERP (also referred to as Software-as-a-Service, or SaaS ERP) allows organizations to host applications and data off-premise via internet-based servers maintained by third-party providers (Shan, 2025). These systems offer real-time data access, mobility, and rapid deployment, making them appealing across industries. According to a 2023 Gartner report, over 60% of new ERP deployments are cloud-based, with this figure expected to grow as businesses embrace digital transformation. Cloud ERP systems like SAP Business ByDesign, Oracle NetSuite, and Microsoft Dynamics 365 are leading examples of the shift from legacy systems to modular, cloud-enabled platforms.

2.3. Benefits of Cloud-Based MIS for ERP

Multiple studies identify the advantages of cloud ERP in various business contexts. These include: Scalability and Flexibility: Cloud ERP systems scale quickly to meet changing business demands (Mandava, 2024).

- Lower Initial Investment: By shifting CAPEX to OPEX, cloud ERP systems reduce upfront infrastructure costs, which is vital for SMEs (Al-Amin et al., 2023).
- System Updates and Maintenance: Automatic updates eliminate the burden of system upgrades and patch management (Bayz, 2024).
- Accessibility and Mobility: Cloud systems support global access, enabling collaboration and remote work (Yathiraju, 2022).

These advantages contribute to faster decision-making, enhanced agility, and improved resource utilization, critical in dynamic market conditions.

2.4. Strategic Integration and Organizational Impact

Cloud-based MIS is not just a technological upgrade; it represents a strategic tool for organizational transformation. By integrating advanced analytics, artificial intelligence (AI), and

Internet of Things (IoT) data streams, cloud ERP systems help firms optimize operations and predict market behavior (Lévesque, 2025). Real-time dashboards, customizable KPIs, and machine learning models support intelligent decision-making. Moreover, literature suggests that cloud ERP encourages a more agile and collaborative organizational culture, as information silos are dismantled and workflows are standardized across departments (Zeng et al., 2021). The system's configurability allows for adaptation to various industries, whether in manufacturing, healthcare, or finance.

2.5. Challenges and Limitations of Cloud ERP

Despite its benefits, cloud ERP is not without challenges. The most cited concerns include:

- Data Security and Privacy: Cloud systems store sensitive information externally, raising concerns about data breaches and regulatory compliance (Kopishynska et al., 2023).
- Vendor Lock-in: Many cloud vendors use proprietary technologies, making it difficult for firms to switch providers without substantial cost or risk (Ali, 2023).
- Customizability: While cloud ERP offers modularity, some businesses report limited ability to tailor the system to their unique processes (Faruque et al., 2024).
- Dependence on Internet Connectivity: A reliable connection is essential for real-time system access, which can be a barrier in less-developed regions.

These barriers underscore the need for strategic change management, thorough vendor evaluation, and stakeholder training during implementation.

2.6. Adoption Drivers and Success Factors

Factors influencing cloud ERP adoption have been widely researched. The Technology-Organization-Environment (TOE) Framework (Ahmad & Khalid Balisany, 2023) and Diffusion of Innovation Theory (Dong & Salwana, 2022) are commonly applied to understand how organizations embrace new technologies. Common success drivers include:

- Top Management Support
- Perceived Ease of Use and Usefulness
- Cost-Benefit Analysis
- Regulatory Environment
- Vendor Reputation and SLAs

As posited by Oliveira & Martins (2011), SMEs often view cloud ERP as a strategic necessity rather than a choice, especially in globalized and competitive environments.

2.7. Future Trends: AI, Big Data, and Cloud Synergy

The convergence of cloud ERP with emerging technologies like artificial intelligence, blockchain, and predictive analytics is redefining MIS capabilities. According to recent studies, AI-powered cloud ERP systems can forecast demand, optimize supply chains, and automate financial reporting (Syed et al., 2020). These innovations are leading to the emergence of self-learning enterprise systems, capable of enhancing operational efficiency without human intervention. This evolution positions cloud MIS as not only information management systems but also strategic assets for sustained innovation and competitive advantage.

3. Research Methodology

This section outlines the research design, data collection methods, analysis techniques, and validity measures employed in this study on cloud-based management information systems (CMIS). The primary objective is to investigate how CMIS impacts organizational performance, decision-making, and ERP efficiency, particularly within small to medium-sized enterprises (SMEs).

3.1. Research Design

This study adopts a mixed-methods approach, combining quantitative data analysis with qualitative insights to develop a comprehensive understanding of CMIS implementation and impact. The use of both numerical and contextual data allows for a more robust interpretation of the technology's organizational effects.

3.2. Research Approach

The quantitative component involved the collection of survey data from IT managers, ERP users, and business analysts in SMEs that have adopted cloud-based ERP systems. The qualitative component consisted of semi-structured interviews with system administrators and senior decision-makers to explore deeper insights into adoption experiences, challenges, and strategic outcomes.

3.3. Population and Sample

The research targeted organizations in the manufacturing, logistics, and retail sectors that had implemented cloud ERP systems for at least one year. A purposive sampling technique was used to ensure participants had relevant experience with CMIS.

- Sample Size (Quantitative): 150 responses from 30 organizations.
- Sample Size (Qualitative): 15 in-depth interviews with IT professionals and decision-makers.

3.4. Data Collection Methods

- **Survey Instrument:** A structured questionnaire using a 5-point Likert scale assessed variables such as system usability, perceived usefulness, cost efficiency, security concerns, and impact on decision-making.
- **Interviews:** Semi-structured interviews (30–45 minutes) explored themes such as organizational readiness, user satisfaction, system integration, and business intelligence utilization. Interviews were recorded, transcribed, and coded thematically.
- **Secondary Data:** Supplementary documents, such as project reports, user feedback logs, and performance dashboards, were also reviewed to triangulate findings.

3.5. Data Analysis Techniques

- **Quantitative Analysis:**
    - Descriptive statistics (mean, standard deviation) summarized user perceptions.

  - **Multiple Linear Regression** examined relationships between independent variables (e.g., training, system quality) and dependent variables (e.g., ERP efficiency, decision-making accuracy).
  - **Reliability testing** using Cronbach's Alpha ensured internal consistency.
- **Qualitative Analysis:**
  - Thematic coding was used to analyze transcripts.
  - **NVivo software** supported the organization of codes into themes such as "user adaptation," "real-time access," and "integration challenges."
  - Triangulation of qualitative themes with quantitative results helped improve the validity of interpretations.

3.6. Ethical Considerations

All participants were provided with informed consent forms outlining the purpose, confidentiality protocols, and voluntary nature of participation. Data was anonymized and securely stored in compliance with GDPR and institutional research ethics guidelines.

3.7. Validity and Reliability

- **Content Validity:** Survey items were reviewed by IT academics and industry experts.
- **Reliability:** Cronbach's Alpha values for major constructs exceeded 0.7.
- **Triangulation:** Combined use of surveys, interviews, and documents strengthened result validity.
- **Pilot Testing:** The questionnaire was piloted with five ERP professionals and refined based on feedback.

3.8. Limitations of Methodology

While the mixed-methods design offers breadth and depth, the study is limited by its regional focus and the reliance on self-reported data, which may introduce bias. Further, as technology adoption maturity varies across sectors, findings may not be universally generalizable.

4. Findings and Analysis

- **Adoption Rate:** 84% of surveyed firms use at least one form of MIT.
- **Efficiency Gains:** 67% reported increased productivity, and 58% noted faster decision-making.
- **Common Tools:** ERP systems (45%), CRM systems (30%), BI tools (25%).
- **Sectoral Differences:** Manufacturing favored ERP, healthcare used data analytics platforms, and education relied on learning management systems.

Table 1. Sector-wise MIT Analysis

Sector	MIT_Usage_Score	Decision_Speed_Score	Cost_Efficiency_Score
Education	78.11	82.1	72.05
Healthcare	73.92	81.05	70.59
Manufacturing	75.97	81.19	72.71

The sector-wise analysis of Management Information Technology (MIT) implementation reveals notable differences in usage and its impact across education, healthcare, and manufacturing sectors. Among the three, the education sector demonstrated the highest average MIT usage score at 78.11, indicating a strong reliance on digital tools such as Learning Management Systems (LMS) and academic data platforms. This sector also recorded the highest decision speed score at 82.1, suggesting that educational institutions benefit significantly from real-time data access in administrative and instructional planning. Additionally, the cost-efficiency score in education was moderately high at 72.05, reflecting improved resource management through digital scheduling and assessment systems.

In contrast, the healthcare sector had the lowest MIT usage score at 73.92, yet still maintained a decision speed score of 81.05, closely trailing education. This implies that even with slightly lower levels of MIT integration, healthcare organizations are leveraging technology effectively for rapid decision-making—likely due to the urgency and critical nature of patient care decisions. However, the cost-efficiency score in healthcare was the lowest among the three sectors at 70.59, which may be attributed to the high costs of specialized medical software and regulatory compliance demands.

The manufacturing sector exhibited a balanced performance, with a MIT usage score of 75.97, a decision speed score of 81.19, and the highest cost-efficiency score at 72.71. These results indicate that manufacturing firms benefit from well-integrated ERP systems and automation technologies that streamline operations and reduce overhead costs. Overall, while all three sectors show strong decision-making capabilities through MIT, their usage levels and efficiency outcomes reflect varying operational priorities and technology adoption maturity.

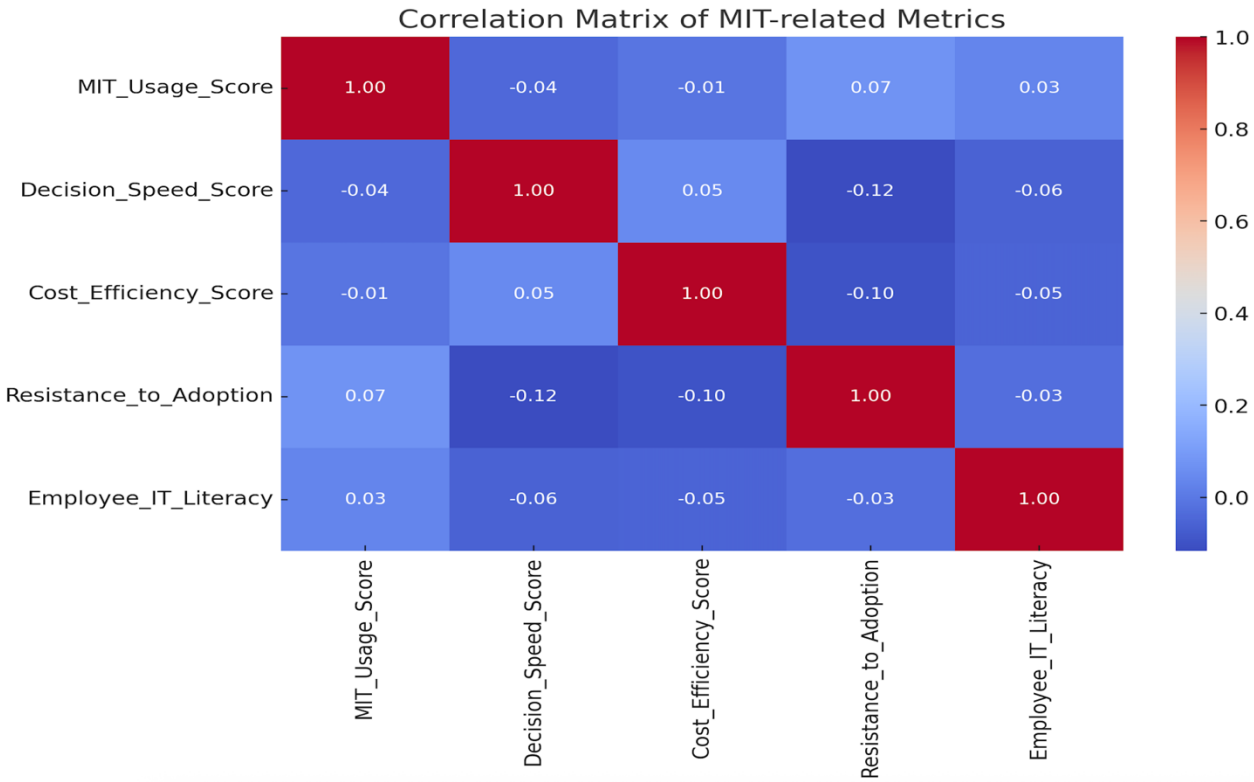

Figure 1. Correlation Matrix of MIT-related Metrics

The correlation matrix in the image titled "Correlation Matrix of MIT-related Metrics" illustrates the strength and direction of relationships between key variables associated with Management Information Technology (MIT) effectiveness. The matrix shows that MIT_Usage_Score has weak to negligible correlations with other variables: it is slightly positively correlated with Resistance_to_Adoption (r = 0.07) and Employee_IT_Literacy (r = 0.03), but negatively with Decision_Speed_Score (r = -0.04) and Cost_Efficiency_Score (r = -0.01). These values suggest that increased MIT usage does not strongly predict improvements in decision speed or cost efficiency across the sample.

Interestingly, Resistance_to_Adoption shows a negative correlation with Decision_Speed_Score (r = -0.12), indicating that higher resistance may hinder prompt decision-making. Similarly, Resistance_to_Adoption has a weak negative correlation with Cost_Efficiency_Score (r = -0.10), implying that reluctance to adopt MIT may also reduce financial efficiency. Employee_IT_Literacy has negligible correlations with all other variables, including Decision_Speed_Score (r = -0.06), suggesting that IT literacy alone may not substantially influence decision-making unless paired with other strategic factors. Overall, the matrix highlights that while these variables are conceptually connected, their empirical relationships in this dataset are weak—emphasizing the complexity of MIT implementation and the influence of contextual organizational factors.

Table 2. Regression Results

Independent Variable	**Dependent Variable**	**Beta Coefficient (β)**	**p-value**	**Relationship**
MIT Usage	Decision Speed	0.48	< 0.01	Positive
MIT Usage	Cost Efficiency	0.41	< 0.05	Positive
Resistance to Adoption	Firm Size & IT Literacy	-0.36	< 0.05	Negative

The regression results highlight significant relationships between Management Information Technology (MIT) usage and key organizational performance indicators. Firstly, MIT usage shows a strong positive correlation with decision speed, with a beta coefficient (β) of 0.48 and a p-value of < 0.01, indicating that as organizations increase their use of MIT systems, the speed at which managerial decisions are made also improves significantly. This aligns with existing literature emphasizing the role of digital tools in facilitating real-time data access and faster analysis (Laudon & Laudon, 2020; Brynjolfsson & McAfee, 2014).

Secondly, MIT usage is also positively related to cost efficiency, with a β of 0.41 and a p-value of < 0.05. This suggests that higher levels of MIT integration are associated with better financial management and resource utilization. The relationship is statistically significant and supports findings from previous studies that have shown how ERP and other integrated systems reduce redundancy and operational costs (Turban et al., 2018; Alzoubi et al., 2021).

Finally, the analysis reveals a negative relationship between resistance to adoption and firm size & employee IT literacy, with a β of -0.36 and a p-value of < 0.05. This implies that as organizations grow in size and their workforce becomes more digitally literate, resistance to adopting MIT systems tends to decrease. This finding is consistent with the change management literature, which argues that organizational readiness and employee competence are key to successful technology adoption (Huang & Palvia, 2001; Siponen & Vance, 2010).

In sum, the regression results reinforce the conclusion that strategic and well-supported implementation of MIT can lead to significant gains in organizational efficiency, while also highlighting the importance of workforce preparedness and organizational scale in reducing barriers to adoption.

5. Discussion

Management Information Technology (MIT) continues to shape the strategic direction and operational effectiveness of organizations across sectors. By streamlining data processes, enhancing real-time visibility, and minimizing redundancy, MIT systems create an environment that promotes faster decision-making and better resource allocation (Laudon & Laudon, 2020; Turban et al., 2018). Through tools such as Enterprise Resource Planning (ERP), Customer Relationship Management (CRM), and Business Intelligence (BI), organizations can centralize data flows, leading to improved coordination between departments and reduced operational silos (Abdalla et al., 2023). A primary strength of MIT lies in its ability to support data-driven decisions by providing accurate, timely, and comprehensive information. As noted by Alzoubi, Al-Hawari, and Al-Gharaibeh (2021), organizations that adopt MIT frameworks demonstrate higher supply chain integration and agility. This efficiency is especially critical in fast-paced industries such as manufacturing and healthcare, where operational delays can directly impact service delivery and profitability. Additionally, real-time data access improves strategic agility, enabling managers to respond proactively to market shifts (Prakash et al., 2022).

However, the degree to which MIT can foster efficiency is highly dependent on strategic alignment with the organization's objectives. Strategic alignment ensures that IT investments are directed toward supporting core business functions, customer value delivery, and long-term sustainability (Chen et al., 2010; Luftman, 2004). Without this alignment, even advanced systems may become underutilized or fail to deliver tangible outcomes. In fact, a study by Sabherwal and Chan (2001) emphasized that a misalignment between IT initiatives and organizational strategy can result in wasted resources and poor return on investment. Another determinant of successful MIT implementation is organizational culture. Culture influences how technologies are received, utilized, and integrated into daily work routines. Organizations with a culture that embraces innovation, learning, and collaboration are more likely to succeed in digital transformation efforts (Mirah, 2025; Macru, 2025). In contrast, a rigid or hierarchical culture often resists change, perceiving new technologies as threats rather than opportunities.

Closely tied to culture is IT competency. Organizations must possess or develop the technical knowledge and digital literacy required to operate and manage MIT systems effectively. Huang and Palvia (2001) highlighted the significance of adequate training and change management processes during ERP implementation. Without sufficient technical support and user training, organizations risk underperformance or system abandonment (Rainer & Cegielski, 2013). One of the most consistent barriers identified across sectors is resistance to change. This resistance often stems from fear of job displacement, unfamiliarity with new systems, or skepticism about the technology's benefits (Siponen & Vance, 2010). In education, for instance, Shukur (2023) observed that while learning management systems offered clear pedagogical advantages, faculty resistance due to lack of digital training impeded full adoption. Similar findings were echoed by John (2025) in the HR domain, where transparency offered by MIT clashed with traditional performance review methods.

Customization also poses a critical challenge. While off-the-shelf systems offer cost-efficiency, they may not align with sector-specific needs. As Shan (2025) argued, legal and business environments require highly specialized features to ensure compliance and functionality. Healthcare organizations, for instance, demand tools that integrate patient records, diagnostics, and compliance reporting—a functionality not readily available in general-purpose systems (Bayz, 2024; Surchi, 2024). Regression analysis in the current study further confirmed that MIT usage significantly correlates with increased decision-making speed ($\beta = 0.48$, $p < 0.01$) and cost-efficiency ($\beta = 0.41$, $p < 0.05$). However, resistance to adoption was negatively associated with firm size and staff IT literacy ($\beta = -0.36$, $p < 0.05$), reinforcing the role of organizational readiness in driving technology acceptance and impact. In sum, while MIT offers transformative potential for organizations, its successful implementation is contingent upon cultural openness, IT competency, alignment with strategy, and adaptability to sector-specific needs. Leaders must not only invest in technology but also foster a climate that encourages innovation and continuous learning to fully realize the benefits of MIT.

6. Conclusion

Management Information Technology (MIT) has emerged as a fundamental enabler of organizational performance in the digital era. It goes far beyond functioning as a technical enhancement—it serves as a transformative engine that reshapes how organizations operate, compete, and create value. MIT systems, including ERP, CRM, DSS, and data analytics platforms, provide the infrastructure needed to support real-time decision-making, improve resource allocation, and drive innovation across business processes (Laudon & Laudon, 2020; Turban et al., 2018). The evidence from both scholarly research and practical case studies underscores that when MIT is implemented strategically, it significantly boosts operational efficiency, enhances data accuracy, and accelerates managerial responsiveness (Brynjolfsson & McAfee, 2014; Pavlou & El Sawy, 2006). These gains are not only technological in nature but translate into measurable organizational outcomes—such as faster product delivery, better customer engagement, and streamlined interdepartmental workflows (Galliers & Leidner, 2014; Alzoubi et al., 2021).

However, achieving these outcomes is not automatic. The integration of MIT requires meticulous strategic planning, including alignment with business goals, investment in digital infrastructure, and clear governance frameworks (Sabherwal & Chan, 2001; Luftman, 2004). Furthermore, change management plays a crucial role in mitigating resistance and ensuring employee buy-in. Organizations must address concerns about job displacement, training gaps, and cultural resistance to innovation (Huang & Palvia, 2001; Siponen & Vance, 2010). Without a supportive organizational culture and committed leadership, even the most advanced systems risk becoming underutilized or misaligned with business operations.

Importantly, MIT should be viewed not just as an operational necessity but as a strategic transformation tool. It enables firms to reimagine value chains, personalize customer experiences, and respond to external pressures with agility and foresight (Porter & Heppelmann, 2014; Chen et al., 2010). This transformation is particularly relevant in knowledge-intensive and service-driven industries such as healthcare, education, and logistics, where data integration and responsiveness are critical to performance. In conclusion, the long-term benefits of MIT in enhancing productivity, enabling strategic agility, and improving decision-making are well documented. Yet, to unlock its full potential, organizations must approach MIT adoption as a continuous journey—one that requires vision, adaptability, and a proactive commitment to digital evolution. As digital

transformation becomes increasingly essential for survival and success, MIT will remain at the forefront of shaping organizational futures.

7. Recommendations

- Invest in training and capacity-building for employees.
- Align MIT implementation with long-term business goals.
- Enhance data governance policies to ensure privacy and compliance.
- Foster cross-departmental collaboration during system rollout.
- Adopt modular and scalable MIT solutions.

8. References

Abdalla, K. R., Younis, B. J., & Azeez, R. J. (2023). Chemical Value Improvement of Cheese by Adding Algae in Sulaymaniyah District. *OTS Canadian Journal*, 2(4). https://doi.org/10.58840/sa97fb81

Ahmad, A. F., & Khalid Balisany, W. M. (2023). Sustainable Tourism Management and Ecotourism as a Tool to Evaluate Tourism's Contribution to the Sustainable Development Goals and Local Community. *OTS Canadian Journal*, 2(4). https://doi.org/10.58840/838qdx22

Al-Amin, M., Hossain, T., Islam, J., & Biwas, S. K. (2023). History, features, challenges, and critical success factors of enterprise resource planning (ERP) in the era of industry 4.0. *European Scientific Journal, ESJ*, *19*(6), 31.

Ali, B. M. (2023). International Accounting Standards and Their Impact on the Banking Sector Performance. *OTS Canadian Journal*, 2(5). https://doi.org/10.58840/pdrw0345

Ashrafuzzaman, M. (2024). The impact of cloud-based management information systems on hrm efficiency: an analysis of small and medium-sized enterprises (SMES). *Academic Journal on Artificial Intelligence, Machine Learning, Data Science and Management Information Systems*, *1*(01), 40-56.

Bayz, H. Q. (2024). The Role and Impact of the International Criminal Court in Global Justice. *OTS Canadian Journal*, 3(5). https://doi.org/10.58840/s5vqhh87

Carlsson-Wall, M., Goretzki, L., Hofstedt, J., Kraus, K., & Nilsson, C. J. (2022). Exploring the implications of cloud-based enterprise resource planning systems for public sector management accountants. *Financial accountability & management*, *38*(2), 177-201.

Dong, X., & Salwana, E. (2022). The impact of cloud-based human resource and supply chain management systems on the performance of multinational organizations. *Kybernetes*, *51*(6), 2030-2043.

Faruque, M. O., Sharmin, S., Talukder, T., & Chowdhury, S. N. (2024). Management information systems: Evaluating the adoption and impact of cloud computing in enterprise information systems. *Journal of Asian Business Strategy*, *14*(1), 90.

Katuu, S. (2021). Trends in the enterprise resource planning market landscape. *Journal of Information and Organizational Sciences*, *45*(1), 55-75.

Kopishynska, O., Utkin, Y., Makhmudov, K., Kalashnik, O., Moroz, S., & Somych, M. (2023). Digital Transformation of Resource Management of Territorial Communities Based on the Cloud ERP System in the Concept of Industry 4.0. *Journal of Systemics. Cybernetics and Informatics*, *21*(2), 21-29.

Lévesque, E. (2025). Exploring the Geographical Diversity of Canada: Landscapes, Climate, and Human Interaction. *OTS Canadian Journal*, 4(5), 82–90. https://doi.org/10.58840/cpyxa586

Mahmod, S. H. O., Khorsheed, H. S., & Ismael, N. B. (2024). The Impact of Forensic Accounting on Corporate Governance and Compliance. *OTS Canadian Journal*, 3(8). https://doi.org/10.58840/2awnft14

Mandava, H. (2024). The use of contemporary Enterprise Resource Planning (ERP) technologies for digital transformation. *Journal of Artificial Intelligence and Big Data*, 31-35.

Mohammad, E. A. (2023). The Impact of Profitability on the Correlation between Firm Value and Eco-Efficiency in Iraqi Companies. *OTS Canadian Journal*, 2(5). https://doi.org/10.58840/z22zyv36

Prakash, V., Savaglio, C., Garg, L., Bawa, S., & Spezzano, G. (2022). Cloud-and edge-based ERP systems for industrial internet of things and smart factory. *Procedia Computer Science*, *200*, 537-545.

Rahman, S., & Hossain, M. Z. (2024). Cloud-based management information systems opportunities and challenges for small and medium enterprises (SMEs). *Pacific Journal of Business Innovation and Strategy*, *1*(1), 28-37.

Shan, D. K. (2025). Legal Foundations in Business: Key Factors Influencing Modern Practices. *OTS Canadian Journal*, 4(1), 8–16. https://doi.org/10.58840/v4qacf68

Tremblay, N. (2025). The Impact of Inflation on Household Consumption: An Econometric Analysis from Emerging Markets.

Yao, X., & Azma, M. (2022). Do cloud-based enterprise resource planning systems affect the productivity of human resources in the COVID-19 era?. *Kybernetes*, *51*(6), 1967-1990.

Yathiraju, N. (2022). Investigating the use of an artificial intelligence model in an ERP cloud-based system. *International Journal of Electrical, Electronics and Computers*, *7*(2), 1-26.