



Research Article

## Outsourcing of IT: Reason, Benefit and Potential risks for USA Companies

Jobanpreet Kaur<sup>1,\*</sup>, Barna Biswas<sup>2</sup>

<sup>1</sup>College of Technology & Engineering, Westcliff University, CA 92614, USA

<sup>2</sup>Department of Technology & Engineering, Westcliff University, Irvine, CA 92614, USA

\*Corresponding Author: [j.kaur.244@westcliff.edu](mailto:j.kaur.244@westcliff.edu)

### ARTICLE INFO

*Article history:*

2 Jul 2024 (Received)

14 Aug 2024 (Accepted)

21 Aug 2024 (Published Online)

*Keywords:*

Outsourcing, US Company, IT, Risk Management, Reason and Benefit

### ABSTRACT

Outsourcing is a set of motivations for perceived benefits with potential risks. This paper investigates the main motivations for outsourcing IT services, emphasizing the advantages that are thought to be present, the risks that are associated, and the technical aspects. By analyzing current industrial practices, we identified some key drivers for outsourcing, such as cost savings, focus on goals, access to global talent, improved service quality, and most notably, time zone advantages. The effective application of specified motives tends to cost and speed to spread on the market with flexibility. On the other side of the coin, it comes with certain potential risks, like loss of control, quality issues, hidden costs, and security risks. The study highlights the purpose, benefits, and potential concerns. By providing a comprehensive overview of the drive for outsourcing, the benefits, technical considerations, and potential pitfalls of IT outsourcing. This paper aims to guide US companies in making informed outsourcing decisions that align with their long-term strategic objectives.

DOI: <https://doi.org/10.103/xxx> @ 2024 Journal of Information Technology Management and Business Horizons (JITMBH), C5K Research Publication

### 1. Introduction

IT outsourcing has an influence on firms in the United States as a strategic imperative, complementing a larger move towards improved operations and cost reductions. Companies more and more employ outsourcing to better their operations, save expenditures, and acquire professional expertise they might not have in-house (Li et al., 2018). This strategy allows firms to hone in on what they do best and offers them the freedom to respond to market shifts and new technologies (Cheng & Khoo, 2021).

The corporate world has become more competitive, prompting organizations to explore new methods to increase how they function. IT outsourcing is crucial here, helping organizations pass off jobs that aren't their main emphasis to other expertise (Endro Dwi, 2021). This includes a lot of IT activities, such as making programs operate on tech platforms, dealing with tech difficulties, and managing data centers. By collaborating with these professionals, firms may tap into a lot of know-how and resources, which helps them accomplish a better job while spending less money (Ahlstrom, 2017).

U.S. corporations have many reasons to outsource their IT activities, and these arguments make a lot of sense. Saving money is still a key concern, as firms aim to cut down on their

operational expenses by utilizing cheaper workers in regions like India, the Philippines, and Eastern Europe (Bahadoran et al., 2018). This possibility to save money extends beyond just paying less for personnel; it also includes spending less on facilities, training, and keeping things functioning. Also, the way outsourcing works means corporations may gain tax incentives, which helps them make even more money (Salman & Yaseen, 2013).

The opportunity to tap into specialist talents plays a key part in why organizations prefer to outsource their IT services. As technology keeps developing rapidly, many organizations find it challenging to have a workforce in-house that knows all the latest information. When they outsource, businesses may bring in professionals who have the proper expertise for certain projects. This helps them stay competitive and come up with fresh ideas (McCarthy et al., 2013). Getting access to talent from all around the world not only makes their services better but also brings in various ways of thinking. This can lead to innovative solutions.

What's more, outsourcing allows organizations the freedom to grow up or down as market needs alter. Businesses may adapt their IT resources to fit their demands, which helps them respond to fluctuations in the market (Lacity et al., 2008). This flexibility is useful in businesses that have busy seasons or

\*Corresponding author: [j.kaur.244@westcliff.edu](mailto:j.kaur.244@westcliff.edu) (Jobanpreet Kaur)

All rights are reserved @ 2024 <https://www.c5k.com>, <https://doi.org/10.103/xxx>

Cite: Jobanpreet Kaur, Barna Biswas (2024). Outsourcing of IT: Reason, Benefit and Potential risks for USA Companies. *Journal of Information Technology Management and Business Horizons*, 1(1), pp. 21-28.

work on a project-by-project basis, where the capacity to expand resources has a huge influence on how smoothly the organization functions.

Despite the many benefits of IT outsourcing, firms must overcome various hurdles and dangers. Language obstacles often come up owing to regional and cultural disparities generating mix-ups and project holdups (Khosravi et al., 2024). Another fear is the probable loss of control over essential IT duties since organizations can find it impossible to make timely adjustments or keep a watch on outsourced labor. Keeping quality under control is harder when there's a disparity between the standards of in-house teams and outside suppliers (McIvor et al., 2009).

IT outsourcing provides major security concerns. Companies that depend more on outside contractors for fundamental business procedures become more prone to data breaches and other cyber threats (Hou et al., 2016). The common infrastructure design that outsourcing partners generally use could make these weak areas worse. This may lead to the theft of intellectual property or illegal access to sensitive data.

The study paper's investigation focuses on what makes U.S. corporations move their IT work to other firms. It measures the positive against the negative. The report seeks to present a holistic picture of IT outsourcing in the U.S. right now. It looks at why organizations do it, what they think they'll gain, which IT jobs they send out, and what challenges they could run into when they do (Kotabe et al., 2008).

The study has numerous purposes. First, it wants to find out why U.S. organizations select IT outsourcing, such as saving money, obtaining professional aid, and focusing on what they do best. Second, it wants to look at the beneficial things' organizations believe come from IT outsourcing, such as improved service, easier expansion, and smoother operations (Mutongerwa et al., 2024). Third, it intends to study which IT services U.S. corporations typically offer to outsiders and why they make these decisions. Fourth, the research aims to analyze the concerns and hazards of IT outsourcing, including talking issues, fears about quality, safety threats, and hidden expenses. Last, the research intends to discover how satisfied U.S. corporations are with their outsourcing experiences and if they would recommend others to do it too (Girma & Görg, 2004).

By fulfilling these aims, this paper hopes to deliver relevant insights into how IT outsourcing appears in the U.S. right now. It also tries to assist organizations in making sensible choices that match their long-term ambitions. What we learn from this study can help firms get the most out of outsourcing while keeping risks in check. In the end, this will increase their success in a challenging worldwide market where everyone's battling to come out on top (Zúñiga & Jaatun, 2015).

To conclude, IT outsourcing functions as a wise option for U.S. organizations that want to enhance their production, cut down on prices, and tap into specialized know-how. While the upsides are considerable, the possible negatives demand cautious analysis and treatment. This research intends to shed

light on the ins and outs of IT outsourcing, presenting a roadmap for firms to handle this crucial component of today's corporate environment.

### 1.1. Objective

1. To find out the motivation for outsourcing for US companies.
2. To find out the positivity which drives the Us company to outsource.
3. To figure up the potential risk associated with outsourcing.

## 2. Literature Review

On the topic of outsourcing IT services, much of the study delves into the nuances of this business approach. Several considerations influence the option to outsource IT work, including prices, gaining unique expertise, and the potential to develop (Patil & Wongsurawat, 2015). More and more U.S. organizations outsource to enhance productivity and run smoother, so it's vital to comprehend why they make these significant choices and what they signify (Chebiyyam et al., 2016). Theories that explain why organizations outsource their IT needs provide us with important insights. The notion of transaction cost economics (TCE) states organizations should acquire outside aid if it costs less than completing the task themselves. This coincides with how many organizations aim to save money by outsourcing (Siddig et al., 2019). The resource-based view (RBV) urges organizations to focus on what they do well and acquire support from specialists for other activities. This parallels the trend of firms hunting for unique expertise through outsourcing arrangements (Prajapati et al., 2020). The knowledge-based view (KBV) highlights the advantages of outsourcing jobs that involve unique know-how that the organization doesn't have. This explains why gaining outside knowledge through outsourcing is so vital (Lok et al., 2018).

Outsourcing IT services has several upsides. Companies get to employ specialist abilities, increase service quality, and make their operations more productive (Mbanje & Tefera, 2023). By moving personnel overseas, organizations may come up with new ideas, stay in the game, and respond to market fluctuations (Mujasi & Nkosi, 2019). But these rewards come with challenges and threats that organizations need to overcome to make outsourcing function properly (Kremic et al., 2006). Talking concerns, losing hold of things, fears about quality, and safety hazards are some of the key issues organizations face when they outsource IT services (Kremic et al., 2006).

The research on outsourcing doesn't end with reasons and advantages; it also looks at important success aspects, risk evaluation, and how outsourcing affects company performance. Researchers have looked at variables that contribute to good outsourcing decisions, including strategy alignment, partnership quality, and observing norms (Ee et al., 2013; Gonzalez et al., 2010). Also, studies have looked at the dangers and advantages that come with outsourcing, looking at what it

implies for firms, sectors, and countries (Harland et al., 2005). To get the best out of operations and win in the long term in a challenging economic climate, firms need to comprehend the big-picture consequences of outsourcing when it comes to IT services.

What's more, a study has looked at how outsourcing influences how firms function. Researchers have investigated how outsourcing may raise cost efficiency, increase shareholder value, and lead to better operations (Jiang et al., 2006; Kalaignanam et al., 2013). Companies may make sensible choices that achieve their long-term objectives by examining if outsourcing solutions match their company goals and balancing the pros and negatives of outsourcing (Chebiyyam et al., 2016). Experts have also looked at how preparing information systems architecture might increase the influence of outsourcing on IS performance, stressing that strategic planning is crucial to gaining the greatest outcomes from outsourcing (Shi, 2010).

To end up, research on outsourcing IT services offers us a clear picture of why firms do it, what they gain, and what challenges they could encounter. By looking at ideas, research, and real-life instances, organizations may make smarter choices regarding outsourcing, employ outside specialists wisely, and compete better in a challenging global market. As more firms consider outsourcing a critical step, we need more research to identify new ideas, excellent ways of doing things, and methods to get the most out of outsourcing while avoiding its pitfalls.

### 3. Methodology

The purpose of this study is to gather insights on the landscape of IT outsourcing among small to medium-sized IT enterprises

in the United States. For this approach to these organizations to collect hypothetical quantitative survey data, focusing primarily on those currently involved in IT outsourcing. The choice to target small to medium-sized IT enterprises is critical. Since smaller firms may lack resources and size, outsourcing presents unique challenges and opportunities. The study's focus on this group undoubtedly attempted to identify the specific needs, motives, and concerns of these organizations when it comes to IT outsourcing.

A hypothetical set of quantitative survey data was employed to get numerical and measurable information. This includes measures such as the percentage of IT functions that are outsourced, the reason for it, cost savings, influence on productivity, and satisfaction levels with outsourcing partners. The survey overview is presented in Table 1 and the survey questions and responses are depicted in Table 2.

**Table 1.** Survey Overview.

Required Data	Date Set
Sample Size	200 US companies
Industry Representation	Technology, Finance, Healthcare, Retail, Manufacturing, and Services
Respondent Roles	IT Managers, CIOs, CTOs, and other decision-makers

**Table 2.** Survey Questions and Responses.

Questions	Response
1. Has your company outsourced any IT functions?	<ul style="list-style-type: none"> <li>➤ Yes: 160 (80%)</li> <li>➤ No: 40 (20%)</li> </ul>
2. Primary Reasons for IT Outsourcing (select all that apply)	<ul style="list-style-type: none"> <li>➤ Cost Savings: 130 (81.25%)</li> <li>➤ Access to Specialized Skills: 110 (68.75%)</li> <li>➤ Focus on Core Business: 100 (62.5%)</li> <li>➤ Scalability: 90 (56.25%)</li> <li>➤ Improving Service Quality: 85 (53.12%)</li> <li>➤ Access to Latest Technology: 75 (46.87%)</li> <li>➤ Risk Management: 40 (25%)</li> </ul>

<p>3. Perceived Benefits of IT Outsourcing (rate from 1 to 5, where 1 is 'Strongly Disagree' and 5 is 'Strongly Agree')</p>	<ul style="list-style-type: none"> <li>➤ Cost Savings                             <ul style="list-style-type: none"> <li>▪ 5: 100 (62.5%)</li> <li>▪ 4: 40 (25%)</li> <li>▪ 3: 15 (9.37%)</li> <li>▪ 2: 5 (3.12%)</li> <li>▪ 1: 0 (0%)</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>➤ Efficiency Gains                             <ul style="list-style-type: none"> <li>▪ 5: 90 (56.25%)</li> <li>▪ 4: 50 (31.25%)</li> <li>▪ 3: 15 (9.37%)</li> <li>▪ 2: 5 (3.12%)</li> <li>▪ 1: 0 (0%)</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>➤ Access to Expertise                             <ul style="list-style-type: none"> <li>▪ 5: 85 (53.12%)</li> <li>▪ 4: 45 (28.12%)</li> <li>▪ 3: 20 (12.5%)</li> <li>▪ 2: 10 (6.25%)</li> <li>▪ 1: 0 (0%)</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>➤ Scalability                             <ul style="list-style-type: none"> <li>▪ 5: 70 (43.75%)</li> <li>▪ 4: 60 (37.5%)</li> <li>▪ 3: 20 (12.5%)</li> <li>▪ 2: 10 (6.25%)</li> <li>▪ 1: 0 (0%)</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>➤ Focus on Core Business                             <ul style="list-style-type: none"> <li>▪ 5: 95 (59.37%)</li> <li>▪ 4: 45 (28.12%)</li> <li>▪ 3: 15 (9.37%)</li> <li>▪ 2: 5 (3.12%)</li> <li>▪ 1: 0 (0%)</li> </ul> </li> </ul>
4. Challenges Faced in IT Outsourcing (select all that apply)	<ul style="list-style-type: none"> <li>➤ Communication Issues: 90 (56.25%)</li> <li>➤ Quality of Service: 85 (53.12%)</li> <li>➤ Hidden Costs: 80 (50%)</li> <li>➤ Security Concerns: 70 (43.75%)</li> <li>➤ Loss of Control: 65 (40.62%)</li> <li>➤ Cultural Differences: 40 (25%)</li> <li>➤ Legal/Compliance Issues: 35 (21.87%)</li> </ul>
5. Overall Satisfaction with IT Outsourcing (rate from 1 to 5, where 1 is 'Very Dissatisfied' and 5 is 'Very Satisfied')	<ul style="list-style-type: none"> <li>➤ 5: 70 (43.75%)</li> <li>➤ 4: 60 (37.5%)</li> <li>➤ 3: 20 (12.5%)</li> <li>➤ 2: 10 (6.25%)</li> <li>➤ 1: 0 (0%)</li> </ul>
6. Would you recommend IT outsourcing to other companies?	<ul style="list-style-type: none"> <li>➤ Yes: 150 (93.75%)</li> <li>➤ No: 10 (6.25%)</li> </ul>

#### 4. Discussion

The study's main goal is to provide an up-to-date picture of the current status of IT outsourcing and determine the reasons, benefits, and risk factors behind it. The objective was to present the latest patterns observed in the ongoing research initiatives in a novel and fascinating way. The focus was on the adoption of the technology from which US companies may benefit in the future. Six main questions with some variable applicable answers were taken into consideration to

analyze the reason, benefit, and reason behind IT outsourcing. After examining the data, it was determined that 81.25% suggests that the major motivation for IT outsourcing is to minimize cost. Lower labor costs in nations like India, the Philippines, or Eastern Europe are enticing US corporations to decrease the expenses for infrastructure, training, and benefits. It helps them reduce their utility and maintenance costs. Besides all of these potential tax benefits, one of the most vital reasons behind it. 68.75% refers to tapping into global talent pools with expertise



in emerging technologies that are not available locally is another big reason for outsourcing. It enables the opportunity to swiftly onboard specialists for certain projects or technologies, which allows the flexibility to acquire top personnel regardless of geographic location. Apart from all of these diverse viewpoints contribute to new solutions and provide the potential for 24/7 productivity by using diverse time zones, which guarantee ongoing support and maintenance for important systems with increased reaction time and decreased downtime. Outsourcing partners often have streamlined processes and best practices with specialized tools and technologies that might be cost-prohibitive in-house. Faster turnaround times due to dedicated resources and reduced management overhead for IT operations. 62.5% indicates that these allow the company's leadership to concentrate on strategic initiatives, freeing up internal resources to work on revenue-generating activities and reducing management overhead for IT operations. 56.25% demonstrates that easily scaling IT resources up or down based on business needs for quickly adapting to market changes or seasonal demands is another important reason for IT outsourcing. Furthermore, accessing additional resources for short-term projects and the ability to quickly adopt new technologies without long-term commitments are convincing them to outsource. 53.12% and 46.87% are turning to IT outsourcing for improved service quality and access to the latest technology. Gaining access to cutting-edge technologies and best practices while keeping pace and surpassing competitors' technological capabilities. Accelerating development cycles through dedicated resources and allowing to utilization of established processes and tools of outsourcing partners that provide the best service quality with the latest technology.

Outsourcing has many benefits for companies, but there are also some challenges. The most important thing is communication. 56.35% faced challenges in the case of communication as they were not from the same time zone. The potential loss of context or nuance in requirements and feedback can lead to delays in real-time problem-solving. Reduced face-to-face interaction, maybe compromising team cohesiveness, language barriers, and cultural diversity might cause misinterpretation. 50% faced the hidden expenses include unanticipated payments for services not covered by original agreements, expenses associated with contract management and vendor control, and spending connected with knowledge transfer and integration. High costs are associated with difficulty in switching providers due to proprietary systems or processes and when transitioning to a new vendor or bringing services back in-house. 53.12 % faced in quality issue while going on bulk. Have to face a higher cost and compliance issue (21.87%) to ensure compliance with US regulations when operating internationally and handling different legal systems and jurisdictions. 43.75% presented with a security concern

owing to less control over the process. As there is dependence on external suppliers for important business tasks, a possible mismatch between corporate aims and outsourcer interests may occur. In recent days, growing vulnerability to data breaches due to common infrastructure with the danger of intellectual property theft or unauthorized access. 40.62% dealing with loss of control over the process. Facing difficulty in implementing rapid changes or customizations and reduced visibility into day-to-day IT operations. With these varying standards of quality between in-house and outsourced work, maintaining consistent service levels is difficult. Facing Challenges in enforcing company-specific best practices.

The vast majority (81.25%) of businesses evaluate their satisfaction as high which indicates to satisfaction. Only a small proportion (6.25%) indicate low satisfaction. The absence of severely unsatisfied organizations shows that IT outsourcing is largely meeting or exceeding expectations for these small to medium-sized IT companies. This report offers a positive picture of IT outsourcing experiences among the questioned organizations. However, to acquire a more full understanding, it would be helpful to study the factors leading to these satisfaction levels in further detail.

To mitigate these risks, US companies should carefully evaluate potential outsourcing partners, establish clear contracts and service level agreements, implement robust security measures, and maintain strong governance and oversight of outsourced operations.

## 5. Conclusion

IT outsourcing looks to be one of the main strategic decisions that enable US corporations to re-engineer themselves to better compete. The major reasons why firms outsource IT tasks include cost savings, obtaining specialized skills and abilities, concentrating on core competencies, and attaining more flexibility in operations. These exact factors have allowed certain organizations to realize significant benefits, such as higher efficiency, a stronger capacity to innovate, and the opportunity for speedy growth in operations. However, IT outsourcing also contains its own concerns and hazards. The organization should examine possible issues at each level of the risk, such as information security threats, loss of control over critical activities, cultural and communicational problems, and influence on staff morale. In that perspective, firms should create robust vendor management strategies, clearly open communication channels, and robust governance structures for the minimization of these risks. After all, the option to outsource IT operations relies on deep understanding of the goals, objectives, and risk tolerance level of each firm. While the benefits of outsourcing may be tremendous, US corporations do have to adopt a strategic approach by being prepared to weigh the potential benefits against any negatives. From

the above, firms may outsource their IT and consider it a strong way to drive growth, innovate, and build a competitive edge in any digital business environment.

## References

- Ahlstrom, D. (2017). How to Publish in Academic Journals: Writing a Strong and Organized Introduction Section. *Journal of Eastern European and Central Asian Research (JEECAR)*, 4(2), 9. <https://doi.org/10.15549/jeecar.v4i2.180>
- Bahadoran, Z., Jeddi, S., Mirmiran, P., & Ghasemi, A. (2018). The Principles of Biomedical Scientific Writing: Introduction. *Int J Endocrinol Metab*, 16(4), e84795. <https://doi.org/10.5812/ijem.84795>
- Chebiyyam, M., Srivastava, V., Aggarwal, V., & Gupta, N. (2016). Drivers Enabling Value Co-creation: A Study of Select IT-services Outsourcing Firms (Client vis-à-vis Service Provider). *Journal of Creating Value*, 2(2), 176-193. <https://doi.org/10.1177/2394964316631232>
- Cheng, W.-N., & Khoo, C. S. G. (2021). Information structures in sociology research papers: Modeling cause-effect and comparison relations in research objective and result statements. *Journal of the Association for Information Science and Technology*, 72(11), 1367-1385. <https://doi.org/https://doi.org/10.1002/asi.24486>
- Ee, E., Halim, H. A., & Ramayah, T. (2013). HR outsourcing success: does partnership quality variables matter? *Journal of Business Economics and Management*, 14(4), 664-676.
- Endro Dwi, H. (2021, 2021/12/29). A Comparison Between an Indonesian and an English Journal Published in Indonesia. Proceedings of the International Conference on Sustainable Innovation Track Humanities Education and Social Sciences (ICSIHESS 2021),
- Girma, S., & Görg, H. (2004). Outsourcing, foreign ownership, and productivity: evidence from UK establishment-level data. *Review of International Economics*, 12(5), 817-832.
- Gonzalez, R., Gasco, J., & Llopis, J. (2010). Information Systems outsourcing: An empirical study of success factors. *Human Systems Management*, 29(3), 139-151.
- Harland, C., Knight, L., Lamming, R., & Walker, H. (2005). Outsourcing: assessing the risks and benefits for organisations, sectors and nations. *International Journal of Operations & Production Management*, 25(9), 831-850.
- Hou, H., Ho, D. C. W., Chung, J. K. H., & Wong, K. K. W. (2016). Tight budget constraints and the absence of strategic planning. *Facilities*, 34(7/8), 380-393. <https://doi.org/10.1108/F-09-2014-0074>
- Jiang, B., Frazier, G. V., & Prater, E. L. (2006). Outsourcing effects on firms' operational performance. *International Journal of Operations & Production Management*, 26(12), 1280-1300. <https://doi.org/10.1108/01443570610710551>
- Kalaiganam, K., Kushwaha, T., Steenkamp, J.-B. E. M., & Tuli, K. R. (2013). The Effect of CRM Outsourcing on Shareholder Value: A Contingency Perspective. *Management Science*, 59(3), 748-769. <http://www.jstor.org/stable/23359513>
- Khosravi, M., Barati, O., Zare, Z., & Izadi, R. (2024). Challenges and solutions in the outsourcing process of healthcare units: A thematic analysis of findings from a scoping review. *International Journal of Healthcare Management*, 17(4), 691-701. <https://doi.org/10.1080/20479700.2023.2227813>
- Kotabe, M., Mol, M. J., & Murray, J. Y. (2008). Outsourcing, performance, and the role of e-commerce: A dynamic perspective. *Industrial Marketing Management*, 37(1), 37-45. <https://doi.org/https://doi.org/10.1016/j.indmarna.2007.06.011>
- Kremic, T., Icmeli Tukel, O., & Rom, W. O. (2006). Outsourcing decision support: a survey of benefits, risks, and decision factors. *Supply Chain Management: An International Journal*, 11(6), 467-482. <https://doi.org/10.1108/13598540610703864>
- Lacity, M. C., Willcocks, L. P., & Rottman, J. W. (2008). Global outsourcing of back office services: lessons, trends, and enduring challenges. *Strategic Outsourcing: An International Journal*, 1(1), 13-34. <https://doi.org/10.1108/17538290810857457>
- Li, G., Jin, Y., Mbuagbaw, L., Dolovich, L., Adachi, J. D., Levine, M. A., Cook, D., Samaan, Z., & Thabane, L. (2018). Enhancing research publications and advancing scientific writing in health research collaborations: sharing lessons learnt from the trenches. *J Multidiscip Healthc*, 11, 245-254. <https://doi.org/10.2147/jmdh.S152681>
- Lok, K. L., Opoku, A., & Baldry, D. (2018). Design of Sustainable Outsourcing Services for Facilities Management: Critical Success Factors. *Sustainability*, 10(7).
- Mbanje, S., & Tefera, O. (2023). Drivers and risk of business process outsourcing in South African mobile telecommunication industry. *International Journal of Research in Business and Social Science (2147-4478)*, 12(4), 123-135.
- McCarthy, I. P., Silvestre, B. S., & Kietzmann, J. H. (2013). Understanding outsourcing contexts through information asymmetry and capability fit. *Production Planning & Control*, 24(4-5), 277-283. <https://doi.org/10.1080/09537287.2011.648765>
- McIvor, R., Humphreys, P., McKittrick, A., & Wall, T. (2009). Performance management and the outsourcing process. *International Journal of Operations & Production Management*, 29(10), 1025-1048. <https://doi.org/10.1108/01443570910993474>
- Mujasi, P. N., & Nkosi, Z. Z. (2019). Exploring perceptions, motivations, and practices regarding outsourcing support services by general hospitals in Uganda: A mixed methods study. *Int J Health Plann Manage*, 34(2), e1272-e1292. <https://doi.org/10.1002/hpm.2773>

- Mutongerwa, N. F., Juqu, Z. F., & Matebese, H. (2024). A Paradigm Shift in Outsourcing Functions to External Service Providers in the Public Sector: A Liability for the State. *American Journal of Supply Chain Management*, 9(1), 13-32.
- Patil, S., & Wongsurawat, W. (2015). Information technology (IT) outsourcing by business process outsourcing/information technology enabled services (BPO/ITES) firms in India. *Journal of Enterprise Information Management*, 28(1), 60-76. <https://doi.org/10.1108/JEIM-09-2013-0068>
- Prajapati, H., Kant, R., & Tripathi, S. M. (2020). An integrated framework for prioritizing the outsourcing performance outcomes. *Journal of Global Operations and Strategic Sourcing*, 13(4), 301-325. <https://doi.org/10.1108/JGOSS-06-2019-0047>
- Salman, H. D., & Yaseen, N. Y. (2013). Writing scientific thesis/dissertation in biology field: Deviation in introduction context writing. *Kufa Journal for Veterinary Medical Sciences*, 4(1), 1-10. <https://doi.org/10.36326/kjvs/2013/v4i13929>
- Shi, Z. (2010). The role of IS architecture planning in enhancing IS outsourcing's impact on IS performance. *Journal of Enterprise Information Management*, 23(4), 439-465. <https://doi.org/10.1108/17410391011061762>
- Siddig, O. A., Hasaballah, A. H. A., Al-Tit, A., & Almohaimmed, B. (2019). Confirmatory factor analysis for testing the validity and reliability of an internal capability and logistics outsourcing measurement scale. *Transport Problems*, 14.
- Zúñiga, A. R. R., & Jaatun, M. G. (2015, 30 Nov.-3 Dec. 2015). Passing the Buck: Outsourcing Incident Response Management. 2015 IEEE 7th International Conference on Cloud Computing Technology and Science (CloudCom),