

IMPACT OF SERVICE STRATEGY AND SERVICE QUALITY ON OPERATIONS EFFICIENCY

Muhammad Turki Alshurideh¹, Barween Al Kurdi², Ali A. Alzoubi³, Hevron Alshurideh⁴

¹ Department of Marketing, School of Business, The University of Jordan, Amman 11942, Jordan, Orcid [0000-0002-7336-381X], m.alshurideh@ju.edu.jo

² Department of Marketing, Faculty of Economics and Administrative Sciences, The Hashemite University, P.O. Box 330127, Zarqa 13133, Jordan. Orcid [0000-0002-0825-4617], barween@hu.edu.jo

³ Public Security Directorate, Jordan, alialzuobi@yahoo.com

⁴ Department of Foreign Languages, Faculty of English Language and Literature, The University of Jordan, Amman 11942, Jordan, Hevronalshurideh@gmail.com

ABSTRACT

The relevance of conducting research in this field is obvious, and there is considerable opportunity for adapting service strategy and service quality concepts to the operational performance. This significance is attributed to recent developments in the organizations, such as the introduction of new types of services, the fierce multidimensional rivalry in price, speed, quality, delivery, flexibility, creative methods for managing human resources, and new technologies that enables operations efficiency. This research contributes to exploring the impact of service strategy and service quality on operations efficiency.

Keywords: *Service Strategy, Service Quality, Operations Efficiency.*

1. INTRODUCTION

Service quality and organizational performance have long been linked in the majority of service sector, including tourism, hospitality, healthcare, banking, education, insurance, etc. Although the development of customer satisfaction depends on service quality, several experts have questioned whether it actually has a direct impact on business profitability [1], [2]. Similarly, the operations efficiency used to evaluate how well inputs are converted into outputs [3], [4]. As a result, the service and manufacturing industries increasing plant operating efficiency through planning,

scheduling, and control has long been a goal [5]–[7]. Additionally, an organizational objective is to achieve competitive edge that can possible with, managerial and operational work efficiency. By providing high service in order to train the employees, offering incentives to perform better can enhance the service quality that leads a business toward successive environment [8]–[10]. For the purpose to know business operational efficiency what are the impacts of service strategy and quality on it. A theoretical review can assist regarding figuring out the relationships and impact.

2. LITERATURE REVIEW

2.1. Impact of service strategy on service quality

[11] stated that service strategy plays a vital role in any company's operations to give them the best quality services. It also seems that companies can never say that they are useful in quality services because customers' expectations are getting change day by day [12]–[14]. Most businesses are getting a failure to think that they are giving the best services to their customers, but other companies are getting out of them from the market [15]–[17]. Therefore, it is imperative that companies be active to perform a little higher if companies are getting some level. Here we have some strategies that are helping to improve the service quality.

2.1.1. Open up more channels for customer feedback

The first point of success in the service quality to give them many ways to communicate [18]–[20]. With their customer because all the time, they are looking to get in touch with business. It is necessary to know what your customer wants from you and how they respond to them [21]. There are different ways: survey solutions, mailed cards with physical products, different social media platforms (Facebook, Twitter, Instagram), and a feedback box on the business counter. So, to get better interaction with the customer, it is better to select a perfect option [22], [23].

2.1.2. Embrace the path of the snail

The second way of success in their customers' quality services is to embrace the snail's path [24], [25]. It is better to ask a company that they never appreciate employees for their quality work, suppliers to get the best services from them, or a customer to get a profitable business from them? If it does not happen in the past, then an appreciation should be given to them and enhance

business performance with quality services [26]–[28]. They can give appreciation by merely sending them a handwritten note to say thanks or making a handmade appreciation card.

2.1.3. Hire for customer service greatness

Many people will suggest that hiring a new employee with the best team gives customer service greatness [29]–[31]. The company can only succeed in the business to give quality customer quality services with the right team, but it is not compulsory. The organization can retrain the existing employees and motivate and inspire them to give better customer representative services [32]. However, in the end, it is the truth that there should be the right individual for the right job at the right time [33], [34]. It is not necessary to go with this option. Managers can think about how to improve customer service culture and can manage changes accordingly [35], [36].

2.1.4. Empower employees to resolve issues

In this part, the most effective way to encourage existing employees to perform well and give their best services to customers [37]–[39]. In the current organizational environment, we see the micro-manager because everyone pulling other legs. Therefore, they need to empower existing employees to resolve the issues and increase customer expectations [40].

2.1.5. Provide a learning environment

To improve client satisfaction is to give a learning environment to their employees. It is for the customer service team and for training all employees working in an organization [41], [42]. They should learn and develop their skills like content, relationship, technical, and management skills [43], [44]. In the end, it will help to improve the customer service field.

2.1.6. Practice active listening with customers

Another way to succeed in the customers' quality service is to give them an active listening practice to their customers [45]. The company needs to train its staff to build good listening skills to better service and increase customer service quality [46], [47].

In the end, most businesses are getting a failure to think that they are giving the best services to their customers, but other companies are getting out of them from the market [48], [49]. Therefore, it is imperative that companies be active to perform a little higher if companies are getting some level. It is the truth that there should be the right individual for the right job at the right time [37],

[50], [51]. Managers can think about how to improve customer service culture and can manage changes accordingly.

2.2. Impact of service strategy on operations efficiency

[52] stated the impact of service strategy on operations efficiency. Service strategy plays a vital role in any company's operations to improve its operational activities [53]–[55]. It also seems that companies can never say that they are operating effectively and meet the customers' expectations, which are changing daily [56]. Most businesses are getting a failure to think that they are running the best operational activities, but other companies improve them daily [57]. Therefore, it is imperative that companies be active to perform a little higher if companies are getting some level. Here we have some strategies that are helping to improve the operational activities [58]–[60].

2.2.1. Know operation

The best way to improve the operational activities, the supervisors and manager, is going through the operational areas to know whether it is going well or not? It is a ubiquitous method and way of judging the company's operations [61]. However, if we go for more formal ways, the company will use different audit reports, analysis tools, and business intelligence tactics to make operations more effective and efficient [62], [63].

2.2.2. Train the employee again & again

stated the other way of improvising the operational activities is to enhance the employee's skills to learn more about the system and make more efficient operations [64]. They need to build more standards like SOPs documentation, building training courses, and methodologies. In the end, the management must train the employees again and again unless they will fully skilled.

2.2.3. Put employee first

stated that to improve business growth and operational performance, it is crucial to keep in mind that people are the critical elements for business success [65]. Their relationship with each other is essential. It is better to focus on labor productivity by encouraging, motivating, and rewarding the company's top performers. They should also discourage unproductive activity on the premises of an organization [66], [67].

2.2.4. Focus on fulfilling the order

Due to the increase in the operation activities, there are so many challenges an organization may face due to high numbers of orders, product categories, regular maintenance, and usage of proper tools to meet these challenges [68]–[70]. There are different ways to improve the system design by evaluating and operations of the mobile devices zonal areas to set a goal for the operational team and meet the requirements.

2.2.5. Customer service improvement

[71] stated the best way to improve operational efficiency with the help of the best service strategy. One of them is an improvement in customer services. If the customers are satisfied with the company's products and services, then a successful will be next door, but if they are not giving good customer services, then the situation will be the opposite [72]–[74].

2.2.6. Remove hurdles to success

The best way to improve the operations is to remove the hurdles from the success and allow the employees to show their improvement, ultimately affecting the operations' efficiency due to quality services [75], [76].

2.2.7. Raise the Talent

After the success in the operational activities, it is time to raise the talent and increase their improvement, positively impacting the results and increasing its productivity and low performer's employees [77].

2.2.8. Evaluation of the processes

The proper evaluation in the operational department process is possible if we have proper documentation to follow the process [78], [79]. There should be proper continual process improvement, which would help properly incorporate the proper workflow and automation.

2.2.9. Standard against your colleagues

According to the standard that should set to meet the requirements and learn more about the strategies that are useful for a business's success. To make a more successful operation, the engagement with the suppliers and vendors allows adding more values [80]–[82].

2.2.10. Evaluate the strength of your system

It also seems that companies can never say that they are operating effectively and meet the customers' expectations, which are changing daily [83]. Most businesses are getting a failure to

think that they are running the best operational activities, but other companies improve them daily. Therefore, it is imperative that companies be active to perform a little higher if companies are getting some level [84].

2.3.Impact of service quality on operations efficiency

Service quality is a crucial factor and is mostly used to compare the customer's expectations and relationships with its performance [85]. If the business has a high level of quality services, it can meet the customers' needs and have a competitive advantage in a particular industry. To understand more about the service quality, we have found an equation which is:

$$2.3.1. \text{ Service Quality (SQ) = Performance (P) – Expectations (E)}$$

The first point of success in the service quality to give them many ways to communicate. With their customer because all the time, they are looking to get in touch with your business [86], [87]. It is necessary to know what your customer wants from you and how they respond to them [88]. There are different ways: survey solutions, mailed cards with physical products, different social media platforms (Facebook, Twitter, Instagram), and a feedback box on the business counter. So, to get better interaction with the customer, it is better to select a perfect option [89]–[91]. The second way of success in their customers' quality services is to embrace the snail's path [92]–[94]. It is better to ask a company that they never appreciate employees for their quality work, suppliers to get the best services from them, or a customer to get a profitable business from them?

If it does not happen in the past, then an appreciation should be given to them and enhance business performance with quality services [95]. They can give appreciation by merely sending them a handwritten note to say thanks or making a handmade appreciation card [96]. Many people will suggest that hiring a new employee with the best team gives customer service greatness [97]. The company can only succeed in the business to give quality customer quality services with the right team, but it is not compulsory [98][99]. The organization can retrain the existing employees and motivate and inspire them to give better customer representative services [100]. However, in the end, it is the truth that there should be the right individual for the right job at the right time [101]. It is not necessary to go with this option. Managers can think about improving customer service culture. According to the standard set, they can manage changes accordingly to meet the

requirements and learn more about the strategies useful for a business's success [102]–[105]. To make a more successful operation, the engagement with the suppliers and vendors allows adding more values. It also seems that companies can never say that they are operating effectively and meet the customers' expectations, which are changing daily [106], [107]. Most businesses are getting a failure to think that they are running the best operational activities, but other companies improve them daily [108], [109]. Therefore, it is imperative that companies be active to perform a little higher if companies are getting some level. There should be proper continual process improvement, which would help properly incorporate the proper workflow and automation [110].

2.4. Impact of Service Strategy and Service Quality on Operations Efficiency

[87], [111], [112] stated the relationship between the impact of service strategy and service quality on operations efficiency. Both factors play a pivotal role in the operation's efficiency: service strategy and service quality. There are many factors which are helping to make a healthy and prosperous operational activity [113], [114].

The first point of success in the service quality to give them many ways to communicate. With their customer because all the time, they are looking to get in touch with your business [115]–[117]. It is necessary to know what your customer wants from you and how they respond to them. There are different ways: survey solutions, mailed cards with physical products, different social media platforms (Facebook, Twitter, Instagram), and a feedback box on the business counter. So, to get better interaction with the customer, it is better to select a perfect option [118]–[121].

The second way of success in their customers' quality services is to embrace the snail's path. It is better to ask a company that they never appreciate employees for their quality work, suppliers to get the best services from them, or a customer to get a profitable business from them? If it does not happen in the past, then an appreciation should be given to them and enhance business performance with quality services [122]–[124]. They can give appreciation by merely sending them a handwritten note to say thanks or making a handmade appreciation card [125], [126].

In this part, the most effective way to encourage existing employees to perform well and give their best services to customers [127]. In the current organizational environment, we see the micro-manager because everyone pulling other legs [128]. Therefore, they need to empower existing employees to resolve the issues and increase customer expectations [129], [130]. The best way to improve the operational activities, the supervisors and manager, is going through the operational areas to know whether it is going well or not? It is a ubiquitous method and way of judging the company's operations. However, if we go for more formal ways, the company will use different audit reports, analysis tools, and business intelligence tactics to make operations more effective and efficient[131]–[133].

Another way of improvising the operational activities is to enhance the employee's skills to learn more about the system and make more efficient operations [134]. They need to build more standards like SOPs documentation, building training courses, and methodologies. In the end, the management must train the employees again and again unless they will fully skilled [135], [136].

To improve business growth and operational performance, it is crucial to keep in mind that people are the critical elements for business success [137]. Their relationship with each other is essential. It is better to focus on labor productivity by encouraging, motivating, and rewarding the company's top performers [138]. They should also discourage unproductive activity on the premises of an organization.

Due to the increase in the operation activities, there are so many challenges an organization may face due to high numbers of orders, product categories, regular maintenance, and usage of proper tools to meet these challenges [139]. There are different ways to improve the system design by evaluating and operations of the mobile devices zonal areas to set a goal for the operational team and meet the requirements.

2.5. General Research Model

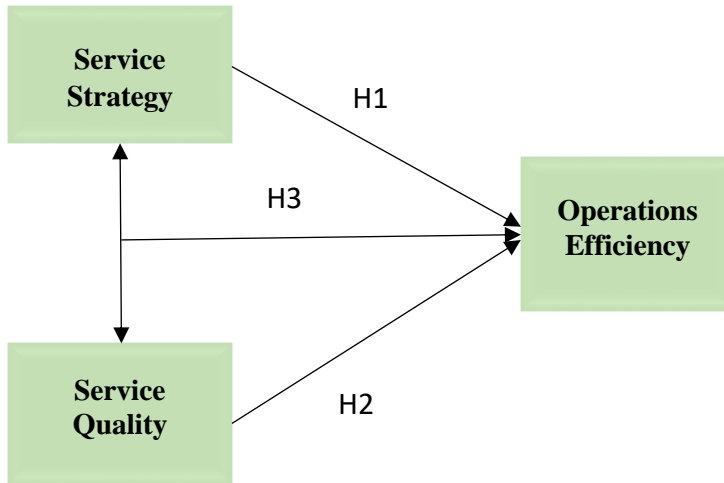


Figure 1: Conceptual Research Model

3. DISCUSSION

It is imperative to remember that people are the key components for business success if you want to increase corporate growth and operational performance. Their interdependence on one another is crucial. It is preferable to concentrate on increasing labor productivity by praising, inspiring, and recognizing the best employees. They should also forbid useless activity on an organization's grounds. An organisation may confront a great deal of obstacles as a result of increased operational operations, including large quantities of orders, a wide range of product categories, regular maintenance, and the need to use the right tools to address these challenges. In order to create a target for the operational team and achieve the requirements, the organizational management may require to adopt the strategies to enhance service quality by utilizing the human capital in the organization.

4. CONCLUSION

The above research can be summarized with strategical implications that can enhance the business performance by improving operations efficiency. There are various strategies can be implemented to enhance the business operations efficiency and service quality in order to keep the effective

strategical performance. It's crucial to manage product and service quality to make sure that a company excels at satisfying customer needs and achieving organizational objectives.

REFERENCES

- [1] B. Al Kurdi, H. M. Alzoubi, I. Akour, and M. T. Alshurideh, "The effect of blockchain and smart inventory system on supply chain performance: Empirical evidence from retail industry," *Uncertain Supply Chain Manag.*, vol. 10, no. 4, pp. 1111–1116, 2022, doi: 10.5267/j.uscm.2022.9.001.
- [2] M. A. M. Afifi, D. Kalra, T. M. Ghazal, and B. Mago, "Information Technology Ethics and Professional Responsibilities," *Int. J. Adv. Sci. Technol.*, vol. 29, no. 4, pp. 11336–11343, 2020, [Online]. Available: <https://www.researchgate.net/publication/352159596>.
- [3] M. T. Alshurideh, B. Al Kurdi, R. Masa'deh, and S. A. Salloum, "The moderation effect of gender on accepting electronic payment technology: a study on United Arab Emirates consumers," *Rev. Int. Bus. Strateg.*, vol. 31, no. 3, pp. 375–396, 2021, doi: 10.1108/RIBS-08-2020-0102.
- [4] T. M. Ghazal *et al.*, "Modeling habit patterns using conditional reflexes in agency," *Intell. Autom. Soft Comput.*, vol. 30, no. 2, pp. 539–552, Aug. 2021, doi: 10.32604/iasc.2021.018888.
- [5] B. Al Kurdi, M. Alshurideh, I. Akour, H. M. Alzoubi, B. Obeidat, and A. Alhamad, "The role of digital marketing channels on consumer buying decisions through eWOM in the Jordanian markets," *Int. J. Data Netw. Sci.*, vol. 6, no. 4, pp. 1175–1185, 2022, doi: 10.5267/j.ijdns.2022.7.002.
- [6] Saad Masood Butt, "Management and Treatment of Type 2 Diabetes," *Int. J. Comput. Inf. Manuf.*, vol. 2, no. 1, p. 1, 2022, doi: 10.54489/ijcim.v2i1.71.
- [7] M. Alshurideh, B. Al Kurdi, S. A. Salloum, I. Arpacı, and M. Al-Emran, "Predicting the actual use of m-learning systems: a comparative approach using PLS-SEM and machine learning algorithms," *Interact. Learn. Environ.*, 2020, doi: 10.1080/10494820.2020.1826982.
- [8] H. M. Alzoubi, G. Ahmed, and M. Alshurideh, "An empirical investigation into the impact of product quality dimensions on improving the order-winners and customer satisfaction," *Int. J. Product. Qual. Manag.*, vol. 36, no. 2, pp. 169–186, 2022, doi: 10.1504/IJPQM.2021.10037887.
- [9] T. Eli and Lalla Aisha Sidi Hamou, "Investigating the Factors That Influence Students' Choice of English Studies As a Major: the Case of University of Nouakchott Al Aasriya, Mauritania," *Int. J. Technol. Innov. Manag.*, vol. 2, no. 1, p. 1, 2022, doi: 10.54489/ijtim.v2i1.62.
- [10] M. El Khatib, A. Kherbash, A. Al Qassimi, and K. Al Mheiri, "How Can Collaborative Work and Collaborative Systems Drive Operational Excellence in Project Management?," *J. Serv. Sci. Manag.*, vol. 15, no. 03, pp. 297–307, 2022, doi: 10.4236/jssm.2022.153017.
- [11] B. Al Kurdi, M. Alshurideh, I. Akour, E. Tariq, A. Alhamad, and H. M. Alzoubi, "The effect of social media influencers' characteristics on consumer intention and attitude toward Keto products purchase intention," *Int. J. Data Netw. Sci.*, vol. 6, no. 4, pp. 1135–1146, 2022, doi: 10.5267/j.ijdns.2022.7.006.
- [12] H. Alzoubi, M. Alshurideh, B. Al Kurdi, I. Akour, and R. Aziz, "Does BLE technology contribute towards improving marketing strategies, customers' satisfaction and loyalty? The role of open innovation," *Int. J. Data Netw. Sci.*, vol. 6, no. 2, pp. 449–460, 2022, doi: 10.5267/j.ijdns.2021.12.009.

- [13] B. A. Kurdi, M. Alshurideh, and S. A. Salloum, "Investigating a theoretical framework for e-learning technology acceptance," *Int. J. Electr. Comput. Eng.*, vol. 10, no. 6, 2020, doi: 10.11591/IJECE.V10I6.PP6484-6496.
- [14] T. Ghazal, T. R. Soomro, and K. Shaalan, "Integration of Project Management Maturity (PMM) Based on Capability Maturity Model Integration (CMMI)," *Eur. J. Sci. Res.*, vol. 99, p. 418, 2013.
- [15] A. Alhamad *et al.*, "The effect of electronic human resources management on organizational health of telecommunications companies in Jordan," *Int. J. Data Netw. Sci.*, vol. 6, no. 2, pp. 429–438, 2022, doi: 10.5267/j.ijdns.2021.12.011.
- [16] Neyara Radwan, "the Internet'S Role in Undermining the Credibility of the Healthcare Industry," *Int. J. Comput. Inf. Manuf.*, vol. 2, no. 1, p. 1, 2022, doi: 10.54489/ijcim.v2i1.74.
- [17] Edward Probir Mondol, "the Role of Vr Games To Minimize the Obesity of Video Gamers," *Int. J. Comput. Inf. Manuf.*, vol. 2, no. 1, p. 1, 2022, doi: 10.54489/ijcim.v2i1.70.
- [18] M. T. Alshurideh, B. Al Kurdi, H. M. Alzoubi, B. Obeidat, S. Hamadneh, and A. Ahmad, "The influence of supply chain partners' integrations on organizational performance: The moderating role of trust," *Uncertain Supply Chain Manag.*, vol. 10, no. 4, pp. 1191–1202, Sep. 2022, doi: 10.5267/J.USCM.2022.8.009.
- [19] M. Alshurideh, S. A. Salloum, B. Al Kurdi, A. A. Monem, and K. Shaalan, "Understanding the quality determinants that influence the intention to use the mobile learning platforms: A practical study," *Int. J. Interact. Mob. Technol.*, vol. 13, no. 11, pp. 157–183, 2019, doi: 10.3991/ijim.v13i11.10300.
- [20] C. T. Amponsah, G. Ahmed, M. Kumar, and S. Adams, "The business effects of mega-sporting events on host cities: An empirical view," *Probl. Perspect. Manag.*, vol. 16, no. 3, pp. 324–336, 2018, doi: 10.21511/ppm.16(3).2018.26.
- [21] T. M. Ghazal *et al.*, "Hep-pred: Hepatitis C staging prediction using fine Gaussian SVM," *Comput. Mater. Contin.*, vol. 69, no. 1, pp. 191–203, Jun. 2021.
- [22] M. Alshurideh, B. Al Kurdi, A. Abu Hussien, and H. Alshaar, "Determining the main factors affecting consumers' acceptance of ethical advertising: A review of the Jordanian market," *J. Mark. Commun.*, vol. 23, no. 5, pp. 513–532, Mar. 2017, doi: 10.1080/13527266.2017.1322126.
- [23] R. M. Al Batayneh, N. Taleb, R. A. Said, M. T. Alshurideh, T. M. Ghazal, and H. M. Alzoubi, "IT Governance Framework and Smart Services Integration for Future Development of Dubai Infrastructure Utilizing AI and Big Data, Its Reflection on the Citizens Standard of Living," in *Its Reflection on the Citizens Standard of Living*, 2021, pp. 235–247, doi: 10.1007/978-3-030-76346-6_22.
- [24] J. R. Hanaysha, M. E. Al-Shaikh, S. Joghee, and H. M. Alzoubi, "Impact of Innovation Capabilities on Business Sustainability in Small and Medium Enterprises," *FIIB Bus. Rev.*, vol. 12, no. 1, pp. 55–68, 2021.
- [25] M. El Khatib, "BIM as a tool to optimize and manage project risk management," *Int. J. Mech. Eng.*, vol. 7, no. 1, pp. 6307–6323, 2022.
- [26] S. Zeeshan Zafar *et al.*, "Empirical linkages between ICT, tourism, and trade towards sustainable environment: evidence from BRICS countries," 2022, doi: 10.1080/1331677X.2022.2127417.
- [27] J. Tellez *et al.*, "AI-Based Prediction of Capital Structure: Performance Comparison of ANN SVM and LR Models," *Comput. Intell. Neurosci.*, vol. 2022, pp. 1–13, 2022, doi: 10.1155/2022/8334927.

- [28] B. A. Kurdi, M. Alshurideh, S. A. Salloum, Z. M. Obeidat, and R. M. Al-dweeri, "An empirical investigation into examination of factors influencing university students' behavior towards elearning acceptance using SEM approach," *Int. J. Interact. Mob. Technol.*, vol. 14, no. 2, pp. 19–41, 2020, doi: 10.3991/ijim.v14i02.11115.
- [29] H. M. Alzoubi, M. In'airat, and G. Ahmed, "Investigating the impact of total quality management practices and Six Sigma processes to enhance the quality and reduce the cost of quality: the case of Dubai," *Int. J. Bus. Excell.*, vol. 27, no. 1, pp. 94–109, 2022, doi: 10.1504/IJBEX.2022.123036.
- [30] B. Al Kurdi, M. Alshurideh, and T. Al afaishata, "Employee retention and organizational performance: Evidence from banking industry," *Manag. Sci. Lett.*, vol. 10, no. 16, pp. 3981–3990, 2020.
- [31] M. M. El Khatib, G. Ahmed, and A. Al-Nakeeb, "Enterprise Cloud Computing Project for Connecting Higher Education Institutions: A Case Study of the UAE," *Mod. Econ.*, vol. 10, no. 01, pp. 137–155, 2019, doi: 10.4236/me.2019.101010.
- [32] H. M. Alzoubi, H. Elrehail, J. R. Hanaysha, A. Al-Gasaymeh, and R. Al-Adaileh, "The Role of Supply Chain Integration and Agile Practices in Improving Lead Time During the COVID-19 Crisis," *Int. J. Serv. Sci. Manag. Eng. Technol.*, vol. 13, no. 1, pp. 1–11, 2022, doi: 10.4018/IJSSMET.290348.
- [33] R. Yanamandra and H. M. Alzoubi, "Empirical Investigation of Mediating Role of Six Sigma Approach in Rationalizing the COQ in Service Organizations," *Oper. Supply Chain Manag. An Int. J.*, vol. 15, no. 1, pp. 2579–9363, 2022.
- [34] T. M. Ghazal *et al.*, "Performances of k-means clustering algorithm with different distance metrics," *Intell. Autom. Soft Comput.*, vol. 30, no. 2, pp. 735–742, Aug. 2021, doi: 10.32604/iasc.2021.019067.
- [35] N. Ali *et al.*, "Modelling supply chain information collaboration empowered with machine learning technique," *Intell. Autom. Soft Comput.*, vol. 30, no. 1, pp. 243–257, 2021, doi: 10.32604/iasc.2021.018983.
- [36] M. El Khatib, A. Alhosani, I. Alhosani, O. Al Matrooshi, and M. Salami, "Simulation in Project and Program Management: Utilization, Challenges and Opportunities," *Am. J. Ind. Bus. Manag.*, vol. 12, no. 04, pp. 731–749, 2022, doi: 10.4236/ajibm.2022.124037.
- [37] H. M. Alzoubi, M. Vij, A. Vij, and J. R. Hanaysha, "What Leads Guests to Satisfaction and Loyalty in UAE Five-Star Hotels? AHP Analysis to Service Quality Dimensions.," *ENLIGHTENING Tour. A PATHMAKING J.*, vol. 11, no. 1, pp. 102–135, 2021.
- [38] Maged Farouk, "Studying Human Robot Interaction and Its Characteristics," *Int. J. Comput. Inf. Manuf.*, vol. 2, no. 1, p. 1, 2022, doi: 10.54489/ijcim.v2i1.73.
- [39] Nada Ratkovic, "Improving Home Security Using Blockchain," *Int. J. Comput. Inf. Manuf.*, vol. 2, no. 1, p. 1, 2022, doi: 10.54489/ijcim.v2i1.72.
- [40] H. M. Alzoubi and R. Aziz, "Does Emotional Intelligence Contribute to Quality of Strategic Decisions? The Mediating Role of Open Innovation," *J. Open Innov. Technol. Mark. Complex.*, vol. 7, no. 2, p. 130, May 2021, doi: 10.3390/joitmc7020130.
- [41] M. Alshurideh *et al.*, "Fuzzy assisted human resource management for supply chain management issues," *Ann. Oper. Res.*, pp. 1–19, Jan. 2022, doi: 10.1007/s10479-021-04472-8.
- [42] M. El Khatib, A. Al Hammadi, A. Al Hamar, K. Oraby, and M. Abdulaziz, "How Global Supply Chain Management Is Disrupting Local Supply Chain Management Case of Oil and Gas Industry in UAE," *Am. J. Ind. Bus. Manag.*, vol. 12, no. 05, pp. 1067–1078, 2022, doi:

- 10.4236/ajibm.2022.125056.
- [43] N. Ali *et al.*, “Fusion-based supply chain collaboration using machine learning techniques,” *Intell. Autom. Soft Comput.*, vol. 31, no. 3, pp. 1671–1687, 2022, doi: 10.32604/IASC.2022.019892.
- [44] B. Kurdi, M. Alshurideh, and A. Alnaser, “The impact of employee satisfaction on customer satisfaction: Theoretical and empirical underpinning,” *Manag. Sci. Lett.*, vol. 10, no. 15, pp. 3561–3570, 2020.
- [45] M. Afifi, D. Kaira, and T. Ghazal, “Integration of collaboration systems in hospitality management as a comprehensive solution,” *Int. J. Adv. Sci. Technol.*, vol. 29, no. 8s, pp. 3155–3173, 2020, [Online]. Available: <http://sersc.org/journals/index.php/IJAST/article/view/16386>.
- [46] J. Hanaysha, M. Al-Shaikh, and H. M. Alzoubi, “Importance of Marketing Mix Elements in Determining Consumer Purchase Decision in the Retail Market,” *Int. J. Serv. Sci. Manag. Eng. Technol.*, vol. 12, pp. 56–72, 2021, doi: 10.4018/IJSSMET.2021110104.
- [47] N. Alsharari, “the Implementation of Enterprise Resource Planning (Erp) in the United Arab Emirates: a Case of Musanada Corporation,” *Int. J. Technol. Innov. Manag.*, vol. 2, no. 1, p. 1, 2022, doi: 10.54489/ijtim.v2i1.57.
- [48] M. Alnuaimi, H. M. Alzoubi, D. Ajelat, and A. A. Alzoubi, “Towards intelligent organisations: An empirical investigation of learning orientation’s role in technical innovation,” *Int. J. Innov. Learn.*, vol. 29, no. 2, pp. 207–221, 2021.
- [49] B. H. Al Kurdi and M. T. Alshurideh, “Facebook Advertising as a Marketing Tool,” *Int. J. Online Mark.*, vol. 11, no. 2, pp. 52–74, 2021, doi: 10.4018/ijom.2021040104.
- [50] G. Ahmed and Nabeel Al Amiri, “the Transformational Leadership of the Founding Leaders of the United Arab Emirates: Sheikh Zayed Bin Sultan Al Nahyan and Sheikh Rashid Bin Saeed Al Maktoum,” *Int. J. Technol. Innov. Manag.*, vol. 2, no. 1, p. 1, 2022, doi: 10.54489/ijtim.v2i1.58.
- [51] A. Alzoubi, “MACHINE LEARNING FOR INTELLIGENT ENERGY CONSUMPTION IN SMART HOMES,” *Int. J. Comput. Inf. Manuf.*, vol. 2, no. 1, p. 2022, May 2022, doi: 10.54489/IJCIM.V2I1.75.
- [52] G. M. Qasaimeh and H. E. Jaradeh, “THE IMPACT OF ARTIFICIAL INTELLIGENCE ON THE EFFECTIVE APPLYING OF CYBER GOVERNANCE IN JORDANIAN COMMERCIAL BANKS,” *Int. J. Technol. Innov. Manag.*, vol. 2, no. 1, 2022.
- [53] S. Joghee, H. M. Alzoubi, and A. R. Dubey, “Decisions effectiveness of FDI investment biases at real estate industry: Empirical evidence from Dubai smart city projects,” *Int. J. Sci. Technol. Res.*, vol. 9, no. 3, pp. 3499–3503, 2020, Accessed: Sep. 15, 2022. [Online]. Available: www.ijstr.org.
- [54] John Kasem and Anwar Al-Gasaymeh, “a Cointegration Analysis for the Validity of Purchasing Power Parity: Evidence From Middle East Countries,” *Int. J. Technol. Innov. Manag.*, vol. 2, no. 1, p. 1, 2022, doi: 10.54489/ijtim.v2i1.60.
- [55] T. M. Ghazal, R. A. Said, and N. Taleb, *Internet of vehicles and autonomous systems with AI for Medical Things*. Soft Computing, 2021.
- [56] H. M. Alzoubi, M. Alshurideh, and T. M. Ghazal, “Integrating BLE Beacon Technology with Intelligent Information Systems IIS for Operations’ Performance: A Managerial Perspective,” 2021, pp. 527–538, doi: 10.1007/978-3-030-76346-6_48.
- [57] M. Alshurideh, R. M. d. T. Masa’deh, and B. Alkurdi, “The effect of customer satisfaction upon customer retention in the Jordanian mobile market: An empirical investigation,” *Eur. J. Econ. Financ. Adm. Sci.*, vol. 47, no. 47, pp. 69–78, 2012.

- [58] K. L. Lee, N. A. N. Azmi, J. R. Hanaysha, H. M. Alzoubi, and M. T. Alshurideh, "The effect of digital supply chain on organizational performance: An empirical study in Malaysia manufacturing industry," *Uncertain Supply Chain Manag.*, vol. 10, no. 2, pp. 495–510, 2022, doi: 10.5267/j.uscm.2021.12.002.
- [59] K. Elkhatib, M., Al Hosani, A., Al Hosani, I., & Albuflasa, "Agile Project Management and Project Risks Improvements: Pros and Cons.," *Mod. Econ.*, vol. 13, no. 9, pp. 1157–1176, 2022.
- [60] F. Matloob *et al.*, "Software defect prediction using ensemble learning: A systematic literature review," *IEEE Access*, vol. 9, no. 1109, pp. 98754–98771, 2021, doi: 10.1109/ACCESS.2021.3095559.
- [61] M. Shamout, R. Ben-Abdallah, M. Alshurideh, H. Alzoubi, B. Al Kurdi, and S. Hamadneh, "A conceptual model for the adoption of autonomous robots in supply chain and logistics industry," *Uncertain Supply Chain Manag.*, vol. 10, no. 2, pp. 577–592, 2022, doi: 10.5267/J.USCM.2021.11.006.
- [62] Vorobeva Victoria, "Impact of Process Visibility and Work Stress To Improve Service Quality: Empirical Evidence From Dubai Retail Industry," *Int. J. Technol. Innov. Manag.*, vol. 2, no. 1, 2022, doi: 10.54489/ijtim.v2i1.59.
- [63] M. Alshurideh, "Pharmaceutical Promotion Tools Effect on Physician's Adoption of Medicine Prescribing: Evidence from Jordan," *Mod. Appl. Sci.*, vol. 12, no. 11, 2018.
- [64] K. L. Lee, P. N. Romzi, J. R. Hanaysha, H. M. Alzoubi, and M. Alshurideh, "Investigating the impact of benefits and challenges of IOT adoption on supply chain performance and organizational performance: An empirical study in Malaysia," *Uncertain Supply Chain Manag.*, vol. 10, no. 2, pp. 537–550, 2022, doi: 10.5267/J.USCM.2021.11.009.
- [65] S. Hamadneh, O. Pedersen, M. Alshurideh, B. A. Kurdi, and H. M. Alzoubi, "An Investigation Of The Role Of Supply Chain Visibility Into The Scottish Blood Supply Chain," *J. Leg. Ethical Regul. Issues*, vol. 24, no. 1, pp. 1–12, 2021.
- [66] S. Guergov and N. Radwan, "Blockchain Convergence: Analysis of Issues Affecting IoT, AI and Blockchain," *Int. J. Comput. Inf. Manuf.*, vol. 1, no. 1, pp. 1–17, 2021, doi: 10.54489/ijcim.v1i1.48.
- [67] M. El Khatib, A. AlMaeni, and W. Alkamali, "The Relation between Effective Digital Program Governance and Program Success," *Am. J. Ind. Bus. Manag.*, vol. 12, no. 09, pp. 1402–1418, 2022, doi: 10.4236/ajibm.2022.129078.
- [68] A. Q. M. Alhamad, I. Akour, M. Alshurideh, A. Q. Al-Hamad, B. Al Kurdi, and H. Alzoubi, "Predicting the intention to use google glass: A comparative approach using machine learning models and PLS-SEM," *Int. J. Data Netw. Sci.*, vol. 5, no. 3, pp. 311–320, 2021, doi: 10.5267/j.ijdns.2021.6.002.
- [69] A. J. Obaid, "Assessment of Smart Home Assistants as an IoT," *Int. J. Comput. Inf. Manuf.*, vol. 1, no. 1, pp. 18–38, 2021, doi: 10.54489/ijcim.v1i1.34.
- [70] G. Ahmed and A. Rafiuddin, "Cultural Dimensions of Economic Development: A Case of UAE," *Theor. Econ. Lett.*, vol. 08, no. 11, pp. 2479–2496, 2018, doi: 10.4236/tel.2018.811160.
- [71] H. M. Alzoubi, G. Ahmed, A. Al-Gasaymeh, and B. Al Kurdi, "Empirical study on sustainable supply chain strategies and its impact on competitive priorities: The mediating role of supply chain collaboration," *Manag. Sci. Lett.*, vol. 10, no. 3, pp. 703–708, 2020.
- [72] M. Farouk, "The Universal Artificial Intelligence Efforts to Face Coronavirus COVID-19," *Int. J. Comput. Inf. Manuf.*, vol. 1, no. 1, pp. 77–93, 2021, doi: 10.54489/ijcim.v1i1.47.

- [73] M. M.ElKhatib, “Knowledge Management System: Critical Success Factors and Weight Scoring Model of the Technical Dimensions,” *Int. J. Appl. Inf. Syst.*, vol. 7, no. 9, pp. 6–12, 2014, doi: 10.5120/ijais14-451213.
- [74] E. Rehman, M. A. Khan, T. R. Soomro, N. Taleb, M. A. Afifi, and T. M. Ghazal, “Using blockchain to ensure trust between donor agencies and ngos in under-developed countries,” *Computers*, vol. 10, p. 8, Aug. 2021.
- [75] H. Alzoubi and G. Ahmed, “Do TQM practices improve organisational success? A case study of electronics industry in the UAE,” *Int. J. Econ. Bus. Res.*, vol. 17, no. 4, pp. 459–472, 2019, doi: 10.1504/IJEER.2019.099975.
- [76] E. P. Mondol, “The Impact of Block Chain and Smart Inventory System on Supply Chain Performance at Retail Industry,” *Int. J. Comput. Inf. Manuf.*, vol. 1, no. 1, pp. 56–76, 2021, doi: 10.54489/ijcim.v1i1.30.
- [77] M. El Khatib, A. Al Jaberi, and A. Al Mahri, “Benchmarking Projects’ ‘Lessons Learned’ through Knowledge Management Systems: Case of an Oil Company,” *iBusiness*, vol. 13, no. 01, pp. 1–17, 2021, doi: 10.4236/ib.2021.131001.
- [78] N. N. Alnazer, M. A. Alnuaimi, and H. M. Alzoubi, “Analysing the appropriate cognitive styles and its effect on strategic innovation in Jordanian universities,” *Int. J. Bus. Excell.*, vol. 13, no. 1, pp. 127–140, 2017, doi: 10.1504/IJBEX.2017.085799.
- [79] M. El Khatib, M. Almtairi, and S. A. Al Qasemi, “The Correlation between Emotional Intelligence and Project Management Success,” *iBusiness*, vol. 13, no. 01, pp. 18–29, 2021, doi: 10.4236/ib.2021.131002.
- [80] M. Alshurideh, A. Gasaymeh, G. Ahmed, H. Alzoubi, and B. Al Kurd, “Loyalty program effectiveness: Theoretical reviews and practical proofs,” *Uncertain Supply Chain Manag.*, vol. 8, no. 3, pp. 599–612, 2020, doi: 10.5267/j.uscm.2020.2.003.
- [81] M. El Khatib and A. Al Falasi, “Effects of Artificial Intelligence on Decision Making in Project Management,” *Am. J. Ind. Bus. Manag.*, vol. 11, no. 03, pp. 251–260, 2021, doi: 10.4236/ajibm.2021.113016.
- [82] R. Naqvi, T. R. Soomro, H. M. Alzoubi, T. M. Ghazal, and M. T. Alshurideh, “The Nexus Between Big Data and Decision-Making: A Study of Big Data Techniques and Technologies,” in *The International Conference on Artificial Intelligence and Computer Vision*, 2021, pp. 838–853, doi: 10.1007/978-3-030-76346-6_73.
- [83] B. Amrani, A. Z., Urquia, I., & Vallespir, “INDUSTRY 4.0 TECHNOLOGIES AND LEAN PRODUCTION COMBINATION: A STRATEGIC METHODOLOGY BASED ON LINKS QUANTIFICATION Anne Zouggar Amrani, Ilse Urquia Ortega, and Bruno Vallespir,” *Int. J. Technol. Innov. Manag. (IJTIM)*, 2(2)., vol. 2, no. 2, pp. 33–51, 2022.
- [84] M. Alzoubi, H., Alshurideh, M., Alkurdi, B. and Inairat, “Do perceived service value, quality, price fairness and service recovery shape customer satisfaction and delight? A practical study in the service telecommunication context,” *Uncertain Supply Chain Manag.*, vol. 8, no. 3, pp. 439–632, 2020.
- [85] G. Ahmed, C. T. Amponsah, and S. S. Deasi, “Exploring the Dynamics of Women Entrepreneurship : A Case Study of UAE,” *Int. J. Bus. Appl. Sci.*, vol. 7, no. 3, pp. 13–24, 2018.
- [86] T. Mehmood, H. M. Alzoubi, M. Alshurideh, A. Al-Gasaymeh, and G. Ahmed, “Schumpeterian entrepreneurship theory: Evolution and relevance,” *Acad. Entrep. J.*, vol. 25, no. 4, pp. 1–10, 2019.

- [87] P. S. Ghosh, S., & Aithal, "BEHAVIOUR OF INVESTMENT RETURNS IN THE DISINVESTMENT," *Int. J. Technol. Innov. Manag. (IJTIM)*, 2(2), vol. 2, no. 2, pp. 65–79, 2022.
- [88] G. Ahmed and N. Al Amiri, "An Analysis of Strategic Leadership Effectiveness of Prophet Muhammad (PBUH) Based on Dave Ulrich Leadership Code," *J. Islam. Stud. Cult.*, vol. 7, no. 1, pp. 11–27, 2019, doi: 10.15640/jisc.v7n1a2.
- [89] T. M. Ghazal *et al.*, "IoT for Smart Cities: Machine Learning Approaches in Smart Healthcare—A Review," *Futur. Internet*, vol. 13, no. 8, p. 218, 2021, doi: 10.3390/fi13080218.
- [90] M. Alshurideh, S. A. Salloum, B. Al Kurdi, and M. Al-Emran, "Factors affecting the social networks acceptance: An empirical study using PLS-SEM approach," in *ACM International Conference Proceeding Series*, 2019, vol. Part F1479, pp. 414–418, doi: 10.1145/3316615.3316720.
- [91] M. Suleman, T. R. Soomro, T. M. Ghazal, and M. Alshurideh, "Combating Against Potentially Harmful Mobile Apps," in *The International Conference on Artificial Intelligence and Computer Vision*, 2021, pp. 154–173.
- [92] T. M. Ghazal, *Positioning of UAV base stations using 5G and beyond networks for IOMT applications*. Arabian Journal for Science and Engineering, 2021.
- [93] M. F. Khan *et al.*, "An iomt-enabled smart healthcare model to monitor elderly people using machine learning technique," *Comput. Intell. Neurosci.*, vol. 2021, 2021, doi: 10.1155/2021/2487759.
- [94] N. Al Amiri, R. A. Rahim, and ..., "The organizational resources and knowledge management capability: A systematic review," *Bus. Econ. ...*, vol. 15, no. 5, pp. 636–647, 2019.
- [95] M. M. El Khatib and G. Ahmed, "Improving Efficiency in IBM Asset Management Software System 'Maximo': A Case Study of Dubai Airports and Abu Dhabi National Energy Company," *Theor. Econ. Lett.*, vol. 08, no. 10, pp. 1816–1829, 2018, doi: 10.4236/tel.2018.810119.
- [96] M. El Khatib, K. Alabdooli, A. AlKaabi, and S. Al Harmoodi, "Sustainable Project Management: Trends and Alignment," *Theor. Econ. Lett.*, vol. 10, no. 06, pp. 1276–1291, 2020, doi: 10.4236/tel.2020.106078.
- [97] A. U. Rehman, R. M. Saleem, Z. Shafi, M. Imran, M. Pradhan, and H. M. Alzoubi, "Analysis of Income on the Basis of Occupation using Data Mining," in *2022 International Conference on Business Analytics for Technology and Security, ICBATS 2022*, 2022, pp. 1–4, doi: 10.1109/ICBATS54253.2022.9759040.
- [98] G. Ahmed and C. T. Amponsah, "Gender Differences in Entrepreneurial Attitude and Intentions: A Case of Dubai," *Proc. Ed.*, vol. 11, no. 4, pp. 315–334, 2018, [Online]. Available: https://www.researchgate.net/profile/Rudresh-Pandey-2/publication/349368995_Consumers'_purchase_decision_towards_Private_Label_Brands_An_Empirical_Investigation_for_Select_Indian_Retailers/links/602d103f299bf1cc26cfa009/Consumers-purchase-decision-towards.
- [99] S. Akhtar, A., Bakhtawar, B., & Akhtar, "EXTREME PROGRAMMING VS SCRUM: A COMPARISON OF AGILE MODELS Asma Akhtar, Birra Bakhtawar, Samia Akhtar," *Int. J. Technol. Innov. Manag. (IJTIM)*, 2(2), vol. 2, no. 2, pp. 80–96, 2022.
- [100] J. C. T. Gaytan, A. M. Sakthivel, S. S. Desai, and G. Ahmed, "Impact of Internal and External Promotional Variables on Consumer Buying Behavior in Emerging Economy – An Empirical Study," *Skyline Bus. J.*, vol. 16, no. 1, pp. 45–54, 2020, doi: 10.37383/sbj160104.
- [101] H. M. Alzoubi and R. Yanamandra, "Investigating the mediating role of Information Sharing

- Strategy on Agile Supply Chain in Supply Chain Performance,” *Uncertain Supply Chain Manag.*, vol. 8, no. 2, pp. 273–284, 2020.
- [102] A. Ali, A. W. Septyanto, I. Chaudhary, H. A. Hamadi, H. M. Alzoubi, and Z. F. Khan, “Applied Artificial Intelligence as Event Horizon Of Cyber Security,” in *2022 International Conference on Business Analytics for Technology and Security (ICBATS, 2022)*, pp. 1–7, doi: 10.1109/ICBATS54253.2022.9759076.
- [103] M. El Khatib, F. Beshwari, M. Beshwari, and A. Beshwari, “The impact of blockchain on project management,” *ICIC Express Lett.*, vol. 15, no. 5, pp. 467–474, 2021, doi: 10.24507/icicel.15.05.467.
- [104] E. Khatib, Z. M., R. A., and A. Al-Nakeeb, “The effect of AI on project and risk management in health care industry projects in the United Arab Emirates (UAE),” *Int. J. Appl. Eng. Res.*, vol. 6, no. 1, 2021.
- [105] N. Al Amiri, R. E. A. Rahim, and G. Ahmed, “Leadership styles and organizational knowledge management activities: A systematic review,” *Gadjah Mada Int. J. Bus.*, vol. 22, no. 3, pp. 250–275, 2020, doi: 10.22146/gamaijb.49903.
- [106] H. M. Alzoubi, M. T. Alshurideh, B. Al Kurdi, K. M. K. Alhyasat, and T. M. Ghazal, “The effect of e-payment and online shopping on sales growth: Evidence from banking industry,” *Int. J. Data Netw. Sci.*, vol. 6, no. 4, pp. 1369–1380, 2022, doi: 10.5267/j.ijdns.2022.5.014.
- [107] M. El Khatib, L. Nakand, S. Almarzooqi, and A. Almarzooqi, “E-Governance in Project Management: Impact and Risks of Implementation,” *Am. J. Ind. Bus. Manag.*, vol. 10, no. 12, pp. 1785–1811, 2020, doi: 10.4236/ajibm.2020.1012111.
- [108] T. M. Ghazal *et al.*, “Securing Smart Cities Using Blockchain Technology,” in *2022 1st International Conference on AI in Cybersecurity (ICAIC, 2022)*, pp. 1–4, doi: 10.1109/icaic53980.2022.9896971.
- [109] M. M. El Khatib and G. Ahmed, “Management of artificial intelligence enabled smart wearable devices for early diagnosis and continuous monitoring of CVDS,” *Int. J. Innov. Technol. Explor. Eng.*, vol. 9, no. 1, pp. 1211–1215, 2019, doi: 10.35940/ijitee.L3108.119119.
- [110] S.-W. Lee *et al.*, “Multi-Dimensional Trust Quantification by Artificial Agents Through Evidential Fuzzy Multi-Criteria Decision Making,” *IEEE Access*, vol. 9, pp. 159399–159412, 2021.
- [111] M. M. El Khatib, A. Al-Nakeeb, and G. Ahmed, “Integration of Cloud Computing with Artificial Intelligence and Its Impact on Telecom Sector—A Case Study,” *iBusiness*, vol. 11, no. 01, pp. 1–10, 2019, doi: 10.4236/ib.2019.111001.
- [112] M. El Khatib, S. Al Blooshi, and A. Al-habeeb, “The Challenge and Potential Solutions of Reading Voluminous Electronic Medical Records (EMR): A Case Study from UAE,” *IOSR J. Bus. Manag. (IOSR-JBM)*, vol. 18, no. 12, pp. 38–46, 2016.
- [113] M. A. Khan, “Challenges Facing the Application of IoT in Medicine and Healthcare,” *Int. J. Comput. Inf. Manuf.*, vol. 1, no. 1, pp. 39–55, 2021, doi: 10.54489/ijcim.v1i1.32.
- [114] A. Alzoubi, “Renewable Green hydrogen energy impact on sustainability performance,” *Int. J. Comput. Inf. Manuf.*, vol. 1, no. 1, p. 2021, Dec. 2021, doi: 10.54489/IJCIM.V1I1.46.
- [115] T. Mehmood, “Does Information Technology Competencies and Fleet Management Practices lead to Effective Service Delivery?,” *Empir. Evid. from E-Commerce Ind.*, vol. 1, no. 2, pp. 14–41, 2021.
- [116] N. Alsharari, “Integrating Blockchain Technology with Internet of things to Efficiency,” *Int. J. Technol. Innov. Manag.*, vol. 1, no. 2, pp. 01–13, Dec. 2021, doi: 10.54489/IJTIM.V1I2.25.

- [117] D. Miller, "The Best Practice of Teach Computer Science Students to Use Paper Prototyping. International Journal of Technology," *Innov. Manag. (IJTIM)*, vol. 1, no. 2, pp. 42–63, 2021.
- [118] H. M. Alzoubi *et al.*, "Cyber Security Threats on Digital Banking," in *2022 1st International Conference on AI in Cybersecurity (ICAIC, 2022)*, pp. 1–4, doi: 10.1109/icaic53980.2022.9896966.
- [119] S. Gorla, "A DECK OF CARDS TO HELP TRACK DESIGN TRENDS TO ASSIST THE," *Int. J. Technol. Innov. Manag. (IJTIM)*, 2(2), vol. 2, no. 2, pp. 1–17, 2022.
- [120] D. M. M. El Khatib, "Integrating Project Risk Management and Value Engineering in Tendering Processes," *Int. J. Eng. Res.*, vol. 4, no. 8, pp. 442–445, 2015, doi: 10.17950/ijer/v4s8/808.
- [121] S. Y. Siddiqui *et al.*, "IoMT Cloud-Based Intelligent Prediction of Breast Cancer Stages Empowered with Deep Learning," *IEEE Access*, vol. 9, pp. 146478–146491, 2021, doi: 10.1109/ACCESS.2021.3123472.
- [122] T. Eli, "Students' Perspectives on the Use of Innovative and Interactive Teaching Methods at the University of Nouakchott Al Aasriya, Mauritania: English Department as a Case Study," *Int. J. Technol. Innov. Manag.*, vol. 1, no. 2, pp. 90–104, Dec. 2021, doi: 10.54489/IJTIM.V1I2.21.
- [123] M. M. El Khatib and M. J. C. Opulencia, "The Effects of Cloud Computing (IaaS) on E- Libraries in United Arab Emirates," *Procedia Econ. Financ.*, vol. 23, pp. 1354–1357, 2015, doi: 10.1016/s2212-5671(15)00521-3.
- [124] A. Abudaqa, M. F. Hilmi, H. Almujaani, R. A. Alzahmi, and G. Ahmed, "Students' perception of e-Learning during the Covid Pandemic: a fresh evidence from United Arab Emirates (UAE)," *J. E-Learning Knowl. Soc.*, vol. 17, no. 3, pp. 110–118, 2021, doi: 10.20368/1971-8829/1135556.
- [125] M. M. El Khatib *et al.*, "Digital Transformation and SMART-The Analytics factor," in *2022 International Conference on Business Analytics for Technology and Security, ICBATS 2022*, 2022, pp. 1–11, doi: 10.1109/ICBATS54253.2022.9759084.
- [126] M. M. El Khatib and G. Ahmed, "Robotic pharmacies potential and limitations of artificial intelligence: A case study," *Int. J. Bus. Innov. Res.*, vol. 23, no. 3, pp. 298–312, 2020, doi: 10.1504/IJBIR.2020.110972.
- [127] S. Rana, S. Verma, M. M. Haque, and G. Ahmed, "Conceptualizing international positioning strategies for Indian higher education institutions," *Rev. Int. Bus. Strateg.*, vol. 32, no. 4, pp. 503–519, 2022, doi: 10.1108/RIBS-07-2021-0105.
- [128] A. Akhtar, S. Akhtar, B. Bakhtawar, A. A. Kashif, N. Aziz, and M. S. Javeid, "COVID-19 Detection from CBC using Machine Learning Techniques. International Journal of Technology," *Innov. Manag. (IJTIM)*, vol. 1, no. 2, pp. 65–78, 2021.
- [129] M. El Khatib, M. Hammerschmidt, and M. Al Junaibi, "Leveraging innovation input on enhancing smart service quality. Cases from Abu Dhabi Emirate," *Int. J. Manag. Cases*, vol. 23, no. 2, pp. 46–62, 2021, [Online]. Available: <http://www.redi-bw.de/db/ebsco.php/search.ebscohost.com/login.aspx%3Fdirect%3Dtrue%26db%3Dbuh%26AN%3D151548527%26site%3Dehost-live>.
- [130] A. M. Sakkthivel, G. Ahmed, C. T. Amponsah, and G. N. Muuka, "The influence of price and brand on the purchasing intentions of Arab women: an empirical study," *Int. J. Bus. Innov. Res.*, vol. 28, no. 2, pp. 141–161, 2022, doi: 10.1504/IJBIR.2022.123260.
- [131] F. Del and G. Solfa, "IMPACTS OF CYBER SECURITY AND SUPPLY CHAIN RISK ON DIGITAL OPERATIONS: EVIDENCE FROM THE UAE PHARMACEUTICAL INDUSTRY Federico Del Giorgio Solfa," *Int. J. Technol. Innov. Manag. (IJTIM)*, 2(2), vol. 2, no. 2, pp. 18–32, 2022.

- [132] R. Bibi *et al.*, “Edge AI-Based Automated Detection and Classification of Road Anomalies in VANET Using Deep Learning,” *Comput. Intell. Neurosci.*, vol. 2021, 2021, doi: 10.1155/2021/6262194.
- [133] M. S. Aslam *et al.*, “Energy-efficiency model for residential buildings using supervised machine learning algorithm,” *Intell. Autom. Soft Comput.*, vol. 30, no. 3, pp. 881–888, 2021, doi: 10.32604/iasc.2021.017920.
- [134] A. Abudaqa, R. A. Alzahmi, H. Almujaeni, and G. Ahmed, “Does innovation moderate the relationship between digital facilitators, digital transformation strategies and overall performance of SMEs of UAE?,” *Int. J. Entrep. Ventur.*, vol. 14, no. 3, pp. 330–350, 2022, doi: 10.1504/ijev.2022.124964.
- [135] Nasim, S. F., M. R. Ali, and U. Kulsoom, “Artificial Intelligence Incidents & Ethics A Narrative Review. International Journal of Technology, Innovation and Management,” *Int. J. Technol. Innov. Manag.*, vol. 2, no. 2, pp. 52–64, 2022.
- [136] M. El Khatib, A. Al Mulla, and W. Al Ketbi, “The Role of Blockchain in E-Governance and Decision-Making in Project and Program Management,” *Adv. Internet Things*, vol. 12, no. 03, pp. 88–109, 2022, doi: 10.4236/ait.2022.123006.
- [137] O. Gulseven and G. Ahmed, “The State of Life on Land (SDG 15) in the United Arab Emirates,” *Int. J. Soc. Ecol. Sustain. Dev.*, vol. 13, no. 1, pp. 1–15, 2022, doi: 10.4018/ijsted.306264.
- [138] A. A. Kashif, B. Bakhtawar, A. Akhtar, S. Akhtar, N. Aziz, and M. S. Javeid, “Treatment Response Prediction in Hepatitis C Patients using Machine Learning Techniques,” *Int. J. Technol. Innov. Manag.*, vol. 1, no. 2, pp. 79–89, Dec. 2021, doi: 10.54489/IJTIM.V1I2.24.
- [139] M. El Khatib, S. Hamidi, I. Al Ameer, H. Al Zaabi, and R. Al Marqab, “Digital Disruption and Big Data in Healthcare-Opportunities and Challenges,” *Clin. Outcomes Res.*, vol. 14, pp. 563–574, 2022, doi: 10.2147/CEOR.S369553.