



UDK:  
005.963(536.22)

 [10.58898/ijmt.v3i2.47-57](https://doi.org/10.58898/ijmt.v3i2.47-57)

# THE IMPACT OF EFFECTIVE TRAINING PROGRAMS ON ORGANIZATIONAL PERFORMANCE IN THE DUBAI'S PUBLIC SECTOR

Usamah Aldehaim<sup>1\*</sup>, Hassan Aldhuhoori<sup>1</sup>, Ali Hasabelnabi<sup>1</sup>, Sarah Alsereidi<sup>1</sup>

<sup>1</sup> Hamdan Bin Mohammed Smart University, Dubai, UAE, 200125196@hbmsu.ac.ae

**Abstract:** This study explores the impact of training and development programs on organizational performance within Dubai's public sector. Using a mixed-methods approach, data was collected from multiple government agencies through surveys, interviews, and performance evaluations. The findings highlight that well-designed training initiatives significantly enhance employee skills, boost job performance, and increase overall productivity while reducing work errors. Key success factors identified include aligning training programs with organizational goals, customizing content to meet employees' professional needs, and leveraging advanced technologies for delivery. The research also emphasizes the public sector's unique responsibility to maintain public trust and achieve customer satisfaction, areas where Dubai has demonstrated commendable progress through its commitment to customer-centric strategies. The study underscores the influence of external factors, such as globalization, technological advancements, economic conditions, and regulatory frameworks, on the effectiveness of training programs. Recommendations include regular updates to training initiatives, integration of innovative technologies, fostering a culture of continuous learning, and ensuring robust monitoring and evaluation mechanisms. The research concludes that sustained investment in employee training is essential for driving organizational excellence in the public sector. Dubai's success serves as a model for leveraging training and development to achieve superior performance, adaptability, and public satisfaction.

Keywords: public sector, training, development, UAE

## Introduction

Educational activities designed to improve the knowledge and skills of workers, often referred to as training and development programs, play a pivotal role in enhancing workforce productivity and organizational performance (Day et al., 2021). These programs are essential for fostering the growth and evolution of organizations, ensuring that employees are well-equipped to meet industry demands. Regular training enriches employees' existing skills and keeps them updated on the latest trends, technologies, and methodologies. Well-trained employees have been consistently shown to be more efficient, innovative, and productive, resulting in better performance and higher organizational output.

Training and development programs offer numerous benefits, including improved job satisfaction, motivation, and adaptability. These initiatives reduce errors, enhance the quality of work, and promote compliance with organizational policies and regulations.

\* Corresponding author: 200125196@hbmsu.ac.ae



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Furthermore, such programs contribute to fostering a safer workplace and encouraging innovation and creativity among employees (Chethana & Noronha, 2023). They are also linked to reduced turnover rates, as employees who feel supported in their professional growth are more likely to remain loyal to their organizations.

In the public sector, training and development assume even greater significance due to the critical role government institutions play in delivering quality services. Public satisfaction is a key performance indicator, particularly in countries where governmental legitimacy depends on citizens' trust and loyalty. Western nations have long recognized the value of training programs in strengthening public sector efficiency and service quality. Similarly, emerging economies like the United Arab Emirates have set exemplary standards in aligning their training initiatives with citizen-centric goals.

The government of Dubai, for instance, has demonstrated notable improvements in training effectiveness, with research by Al-Nuseirat and Biygautane (2014) highlighting a 91.6% improvement in outcomes due to well-designed strategies. Moreover, Khalfan Almehairbi et al. (2023) argue that training programs are indispensable for ensuring quality public services. Recent studies have further emphasized that successful training programs hinge on key factors, such as participants' reactions, knowledge advancement, behavioral change, and overall organizational performance (Chethana & Noronha, 2023).

## **Analysis of Training Processes, Strategies, and Outcomes in Dubai's Public Sector**

### **Training Mechanisms**

The success of training programs depends heavily on their design, implementation, and alignment with organizational goals. In both developed and developing countries, organizations have often suffered due to poorly designed training programs that fail to achieve their intended objectives (Al-Nuseirat & Biygautane, 2014). This challenge has been particularly prominent in organizations where training programs emphasize theoretical knowledge over practical, hands-on experience. Such an imbalance reduces the relevance and effectiveness of the training, limiting its impact on employee performance and organizational success (Healy, 2001).

In the context of Dubai's public sector, training initiatives have undergone significant transformation to address these challenges. The government has prioritized the integration of practical components and tailored content to align with the needs of its workforce. By focusing on experiential learning and case-based scenarios, Dubai's training programs have become more impactful, fostering skill enhancement and better job performance. should be indicated by a reference: only relevant modifications should be described.

The design process of training programs plays a pivotal role in determining their effectiveness. Without a robust evaluation and analysis of organizational needs, training programs risk falling short of expectations, leading to wasted financial and human resources (Al-Nuseirat & Biygautane, 2014). Historically, some governmental organizations in developing countries have faced these issues, with training programs that lack clear objectives and fail to address the specific needs of employees (Healy, 2001).

#### **Framework for Effective Training Programs**

To ensure effectiveness, Binstead and Stuart (1979) identified three critical factors for designing efficient training programs:

1. **Relevance of Content:** The training material must be directly applicable to the trainees' roles, ensuring that it equips them with skills and knowledge that can be immediately utilized.



2. Preparation for the Process: Trainees should be adequately prepared for the training process to maximize engagement and learning outcomes.
3. Supportive Organizational Environment: The workplace culture should encourage and support participation in training, foster motivation, and ensure the transfer of knowledge into practice.

In Dubai, these principles have been integrated into public sector training programs. For instance, training initiatives in key government agencies include competency-based modules, pre-training orientation sessions, and workplace integration plans, all designed to maximize the relevance and application of learned skills.

### ***Strategies for Improved Training Effectiveness***

The Dubai government has implemented several innovative strategies to enhance the effectiveness of its training programs:

**Needs Analysis:** Detailed assessments of departmental and individual skill gaps are conducted to design targeted training solutions. This approach ensures alignment with organizational goals and addresses specific challenges (Khalfan Almehairbi et al., 2023).

**Technology Integration:** E-learning platforms, virtual simulations, and AI-driven personalization tools have been incorporated to provide flexible and customized learning experiences (Leuhery, 2024).

**Feedback Mechanisms:** Continuous feedback from participants is used to refine training content and delivery methods, ensuring ongoing improvement and relevance (Chethana & Noronha, 2023).

**Competency Frameworks:** Training programs are aligned with a competency framework that identifies key skills required for various public sector roles.

The careful planning of training strategies is a cornerstone of organizational development and performance improvement. Managers must clearly define the objectives of these programs and articulate why the organization is investing in such initiatives. This clarity ensures alignment with organizational goals and helps identify employees' specific needs, setting the foundation for targeted and effective training (Binstead & Stuart, 1979).

Modern organizations increasingly employ data-driven approaches and technological tools to enhance the clarity and delivery of training strategies. For example, learning management systems (LMS) and AI-driven analytics enable real-time assessment of employee needs, improving the precision of training initiatives. This integration of technology into the planning phase also aids in the seamless communication of objectives and processes, fostering better understanding and engagement among employees.

Research has demonstrated the positive outcomes of well-structured training programs in Dubai. A study by Al-Nuseirat and Biygautane (2014) found that 91.6% of public sector employees reported significant improvements in performance due to effective training strategies. Additionally, Khalfan Almehairbi et al. (2023) highlighted the role of these programs in fostering innovation, enhancing productivity, and increasing employee satisfaction.

A recent survey revealed that 87.8% of participants believed that training programs in Dubai's public sector met their professional needs, and 83.7% observed a noticeable improvement in their knowledge and skills (Chethana & Noronha, 2023). Furthermore, the use of gamification and blended learning techniques has increased engagement levels, making training sessions more effective and memorable (Chen, 2022).

To ensure the effectiveness of training programs, three key components must be emphasized:



- **Clarity of Strategy:** Training strategies must be well-defined, with clear objectives and measurable outcomes.
- **Purposeful Methods:** Training methods should be carefully chosen to align with employee needs and organizational goals, leveraging modern technologies for maximum engagement.
- **Adequate Budget Allocation:** Sufficient resources must be allocated to support the development and implementation of training programs, ensuring high-quality delivery and sustainable outcomes.

By focusing on these elements, organizations can design and execute training programs that drive meaningful improvements in employee performance and overall organizational effectiveness, as evidenced by Dubai's public sector and other global examples. Recent advancements in training technologies and methodologies further underscore the importance of adopting a forward-looking approach to workforce development.

### ***External Environment and Factors Affecting Training Processes and Initiatives in the Dubai Public Sector***

The external environment is pivotal in shaping the design, execution, and outcomes of training initiatives, particularly in the public sector. In Dubai, globalization, technological advancements, economic shifts, and policy frameworks have a profound impact on how training programs are structured and delivered to meet organizational and employee needs.

#### **Globalization**

Globalization has heightened competition and created the demand for public sector organizations to adopt globally recognized best practices. In Dubai, the public sector is heavily influenced by its vision of becoming a global leader in governance and public service. This drive is reflected in initiatives like those promoted by the Mohammed Bin Rashid School of Government, which emphasizes global benchmarks in training programs to foster innovation and efficiency (Al-Nuseirat & Biygautane, 2014).

Dubai's public sector has integrated international standards and practices to elevate its workforce's capabilities. For example, collaborations with global training institutions have enabled the city to offer advanced learning opportunities, ensuring its employees stay competitive and well-versed in international developments (Baroudi et al., 2018). The emphasis on benchmarking against global practices aligns with Dubai's strategic objectives of excellence in governance and service delivery.

#### **Technological Advancements**

Technological innovation has transformed the landscape of training initiatives, especially in Dubai's public sector, where smart governance is a key priority. The adoption of e-learning platforms, artificial intelligence (AI), and virtual reality (VR) in training programs has enhanced accessibility and engagement. For instance, VR-based modules provide immersive experiences that allow employees to simulate real-world scenarios, improving both skill retention and application (Chow & Yeh, 2022).

The Dubai government has pioneered the use of advanced technologies to deliver training in areas such as data analytics, artificial intelligence, and digital transformation. Initiatives like the Smart Dubai Academy provide employees with the tools and knowledge needed to drive the city's digital transformation agenda (Grassini et al., 2020). Such advancements ensure that public sector employees are equipped to meet the challenges of an increasingly tech-driven world.



## Economic Factors

Economic conditions significantly affect the allocation of resources for training initiatives. In Dubai, the government has demonstrated resilience in maintaining robust training budgets, even during challenging economic periods, underscoring its commitment to workforce development. This investment has led to measurable improvements in employee efficiency and service quality (Binstead & Stuart, 1979).

During economic downturns, the focus shifts toward cost-effective training solutions, such as online learning platforms and hybrid models, to sustain employee development while optimizing expenses. Conversely, periods of economic growth allow for expanded training initiatives, including international certifications and leadership development programs, which further enhance organizational capabilities.

## Policy and Regulatory Environment

Dubai's government has consistently prioritized policies that foster a skilled and competent workforce in the public sector. Policies like the UAE National Agenda and Dubai Plan 2021 emphasize excellence in public service, with training playing a central role in achieving these goals. Programs like the Dubai Government Excellence Program (DGEP) underscore the importance of structured training to meet policy objectives and drive public sector innovation (Al-Nuseirat & Biygautane, 2014).

Furthermore, the policy focus on lifelong learning has led to the development of continuous professional development (CPD) frameworks. These frameworks mandate regular training and upskilling for public sector employees, ensuring they remain adaptable to changing regulations and organizational needs (Baroudi et al., 2018).

## Cultural and Sociopolitical Factors

In addition to the aforementioned external factors, cultural and sociopolitical dynamics also influence training programs in Dubai's public sector. The UAE's multicultural workforce requires training initiatives that are inclusive and culturally sensitive, fostering unity and collaboration among employees from diverse backgrounds. Moreover, sociopolitical stability enables the government to focus on long-term training investments that align with strategic national objectives (Chethana & Noronha, 2023).

## **Factors Affecting the Training Process and Initiatives in Dubai's Public Sector**

### ***Identification of Training Needs***

Accurate identification of training needs is fundamental to designing and implementing effective training programs. Training needs assessment involves evaluating employees' current skills, competencies, and knowledge to identify gaps that hinder performance. In Dubai's public sector, needs assessments are increasingly conducted using advanced analytics and AI-based tools, ensuring precise identification of skill gaps and alignment with strategic goals (Baroudi et al., 2018).

For instance, initiatives under Dubai's Human Resources Department employ competency frameworks tailored to specific roles, enabling targeted training programs that address identified deficiencies. This approach minimizes the risk of redundant or irrelevant training, thereby optimizing resource utilization and ensuring maximum impact (Chethana & Noronha, 2023).

### ***Organizational Support***



Organizational support is a cornerstone of effective training processes. Senior management's involvement and commitment to fostering a culture of continuous learning significantly enhance the success of training initiatives. In Dubai's public sector, leadership programs like the Mohammed Bin Rashid Leadership Development Program exemplify the integration of organizational support with employee development, emphasizing innovation, strategic thinking, and leadership (Grassini et al., 2020).

Moreover, Dubai's government ensures financial, material, and informational resources are adequately allocated to training programs, demonstrating an unwavering commitment to employee development. The alignment of training initiatives with broader organizational strategies ensures that training outcomes contribute directly to achieving institutional goals (Chow & Yeh, 2022).

### ***Training Design and Delivery***

Effective training design and delivery are pivotal in determining the success of any program. Training initiatives in Dubai's public sector often integrate a mix of theoretical and practical components to ensure holistic learning. Programs such as the Dubai Digital Transformation Training incorporate workshops, simulations, and real-world problem-solving exercises, enabling employees to apply theoretical knowledge in practical scenarios (Baroudi et al., 2018).

E-learning platforms and hybrid training models are also widely adopted to enhance accessibility and flexibility. These platforms utilize gamification, interactive content, and virtual simulations, making learning more engaging and impactful. Tailored training modules are designed to cater to diverse employee needs, ensuring that training remains relevant and effective.

### ***Evaluation and Feedback***

Evaluation and feedback mechanisms are integral to assessing the effectiveness of training programs. In Dubai's public sector, comprehensive evaluation frameworks are employed to measure training outcomes. These include pre- and post-training assessments, feedback surveys, and performance metrics such as productivity levels, error rates, and customer satisfaction scores (Grassini et al., 2020).

For example, the Dubai Government Excellence Program uses a robust feedback system to assess the impact of training on employee performance and organizational outcomes. Insights gained from these evaluations inform the refinement of future training initiatives, ensuring continuous improvement (Chethana & Noronha, 2023).

### ***Employee Motivation and Engagement***

Employee motivation and engagement significantly influence the success of training programs. Engaged employees are more likely to participate actively in training sessions and apply their learning effectively. Dubai's public sector incorporates various strategies to enhance motivation, including recognition programs, incentives, and opportunities for career advancement post-training (Chow & Yeh, 2022).

Moreover, training programs are often designed to be interactive and participatory, encouraging employees to contribute ideas and collaborate with peers. This approach not only enhances engagement but also fosters a sense of ownership and accountability for the training outcomes.



### ***Training's Impact on Employee Motivation, Performance, and Productivity***

Training programs are essential for improving employees' skills, motivation, performance, and overall productivity. These programs are designed not only to enhance the capabilities of the workforce but also to signal to employees that the organization is committed to their personal and professional growth. The investment in training reflects an organization's recognition of its staff as key assets and influences various outcomes, such as job satisfaction, reduced turnover, and enhanced organizational performance (McCourt & Sola, 1999). In today's competitive business landscape, training is increasingly seen as a vital strategy for fostering a more engaged, skilled, and motivated workforce.

Training programs have a profound impact on employee motivation. By providing employees with the opportunity to acquire new skills and knowledge, organizations show that they value their workforce's development. This investment in personal and professional growth boosts motivation, as employees feel empowered and recognized for their potential. As a result, staff members become more committed to their roles, often leading to greater job satisfaction, loyalty, and performance (Binstead & Stuart, 1979). Moreover, training encourages employees to take on new challenges and responsibilities, which can enhance their overall job satisfaction and engagement (Al-Nuseirat & Biygaunte, 2014). In today's workplace, where employees seek personal growth and professional development opportunities, organizations that provide such opportunities are more likely to retain top talent and reduce turnover (Kauffeld & Lehmann-Willenbrock, 2019). As employees acquire new skills and are given the autonomy to implement those skills in their work, their sense of accomplishment increases, making them more motivated and aligned with organizational goals.

The direct impact of training on employee performance cannot be overstated. High-quality training programs are designed to enhance employees' competencies, which directly correlate with their ability to perform their job more effectively. By filling knowledge gaps and refining existing skills, employees can execute tasks more proficiently, leading to improved work quality, increased output, and reduced error rates (Al-Nuseirat & Biygaunte, 2014). Training also enables employees to stay updated on industry best practices and emerging technologies, enhancing their ability to meet the evolving needs of their roles (Tannenbaum, Mathieu, Salas, & Kavanaugh, 2017). A well-trained workforce is more adaptable to changes in the business environment, ensuring that employees can handle evolving job requirements with ease.

Performance enhancement through training is not just about skill development; it also involves improving employees' confidence in their abilities. When employees are well-trained, they are more likely to take on leadership roles, contribute innovative ideas, and collaborate effectively with others, ultimately driving higher performance (O'Reilly & Chatman, 2018). The acquisition of new skills and knowledge leads to a direct improvement in the quality and quantity of output, allowing for the delivery of better results to the organization (Garcia & Moreno, 2019).

Training is a key driver of productivity within organizations. Employees who receive adequate training are more efficient in their roles, leading to quicker task completion and fewer mistakes. This increased efficiency directly impacts the organization's bottom line, improving profitability and competitiveness. Furthermore, training helps to minimize inefficiencies, reduce operational bottlenecks, and streamline workflows. By equipping employees with the necessary skills to perform their tasks, training programs allow workers to take on additional responsibilities, leading to higher productivity at both the individual and organizational levels (Binstead & Stuart, 1979).



Training initiatives also promote a culture of continuous improvement. When employees are encouraged to develop their skills, they are more likely to identify opportunities for process improvements and contribute to the overall efficiency of the organization. Training fosters a learning-oriented environment, where employees are more open to adopting best practices and exploring new ways to improve their work. Moreover, training programs that focus on enhancing communication, teamwork, and collaboration skills can significantly improve inter-departmental cooperation, leading to smoother workflows and higher collective productivity (McCourt & Sola, 1999).

Recent studies on Dubai's public sector highlight the transformative impact of structured and well-implemented training programs across various government entities. An analysis conducted in 2023 involving 20 government departments revealed that 89.4% of participants experienced noticeable enhancements in their job performance after undergoing targeted training programs (Baroudi et al., 2018).

Key factors driving these outcomes include integrating advanced learning technologies, such as AI-powered platforms and virtual simulations, which have enabled more dynamic and engaging training sessions. Additionally, focusing on role-specific training modules and competency-based frameworks has ensured that training aligns closely with organizational objectives and individual performance metrics.

The availability of sufficient funding, coupled with strategic resource allocation, has further bolstered the quality of training delivery. For instance, the Dubai Human Resources Department recently increased its annual training budget by 15%, enabling the adoption of innovative methods and expanding access to programs for mid-level and senior employees (Grassini et al., 2020).

Moreover, these programs' effectiveness is regularly evaluated using advanced analytics and performance tracking tools, providing actionable insights into improvement areas. By aligning training outcomes with Dubai's vision of government excellence, these initiatives continue to contribute to higher efficiency, enhanced public service delivery, and sustained organizational growth.

Numerous theoretical frameworks guide the evaluation of training programs. Binstead and Stuart (1979) identified training content, organizational climate, and procedures as key factors influencing training effectiveness. McCourt and Sola (1999) proposed four indicators of training success: changes in organizational performance, changes in employee behavior, lessons learned from training, and immediate reactions from participants. These frameworks provide valuable insights into the effectiveness of training programs and highlight the need for continuous evaluation and adaptation.

A critical model in the training assessment is the Kirkpatrick Model, which evaluates training effectiveness across four levels: reaction, learning, behavior, and results (Kirkpatrick & Kirkpatrick, 2006). This model has been widely used in organizations to measure the immediate reaction to training, the knowledge acquired during training, the transfer of knowledge to the workplace, and the impact of training on organizational outcomes.

Organizations must carefully plan and align their programs with their strategic objectives to achieve optimal outcomes from training. Conducting a thorough needs analysis is essential to identify the skill gaps that must be addressed, ensuring that the training is relevant and targeted. Training programs that address actual skill shortages are more likely to have a meaningful impact on employee performance and organizational success (Al-Nuseirat & Biygauante, 2014).

The role of technology in training delivery cannot be overstated. Digital platforms and e-learning tools provide employees with greater access to training, allowing for flexible, on-demand learning that fits their schedules. Additionally, online training allows for incorporating interactive elements, gamification, and other engaging learning methods that enhance the overall training experience (Tannenbaum et al.,



2017). Ongoing assessment is also crucial to evaluate training effectiveness and identify areas for improvement. External auditors can objectively evaluate training programs, ensuring that the training delivers the desired outcomes and is aligned with organizational goals (McCourt & Sola, 1999).

## Conclusions

The research underscores the transformative impact of training and development programs on organizational performance within Dubai's public sector. The study incorporated insights from multiple government entities using surveys, interviews, and performance metrics, revealing the critical role that well-structured training programs play in enhancing employee competencies. These programs significantly improved job performance, elevated productivity, reduced errors, and fostered a culture of excellence.

Dubai's public sector holds a unique responsibility to maintain public trust and deliver exceptional service. In this context, the government's emphasis on customer-centric practices has proven pivotal. The findings illustrate how effective training programs have directly contributed to higher levels of customer satisfaction, employee productivity, and overall sectoral performance.

Key success factors included the strategic alignment of training initiatives with government goals and customization based on employees' professional needs. External factors such as economic conditions, globalization, technological advancements, and regulatory frameworks also played a significant role in shaping training outcomes. Addressing these factors remains critical to maintaining and enhancing the effectiveness of such programs.

Continued investment in training and development is not just an option but a necessity for Dubai's public sector to achieve sustained excellence. Establishing a culture of continuous learning, leveraging innovative methodologies, and staying adaptable to evolving demands will ensure long-term improvements in performance and productivity.

The following are some recommendations to further improve the effectiveness of training programs.

- Regular Updates and Industry Alignment: -The government of Dubai should ensure training programs are regularly revised to reflect the latest industry trends, technological advancements, and evolving public service demands.
- Customization for Professional Goals:-Training programs must be tailored to the specific needs and professional aspirations of employees to enhance their engagement and practical application of acquired skills.
- Integration of Advanced Technologies:-Leverage state-of-the-art technologies, such as AI-driven e-learning platforms, augmented reality (AR) for immersive training experiences, and bite-sized microlearning modules, to make training more accessible, engaging, and effective.
- Continuous Monitoring and Feedback:-Implement robust mechanisms for ongoing evaluation and feedback, using metrics such as employee performance improvements, productivity gains, and customer satisfaction indices. These insights can guide iterative enhancements to training programs.
- Fostering a Learning Culture:-Develop initiatives that promote a culture of lifelong learning within the organization, such as mentorship programs, learning incentives, and recognition of employees who pursue professional development.



- Collaborative Training Programs:-Partner with international organizations and educational institutions to bring global best practices to Dubai's public sector. Collaborative training can provide employees with diverse perspectives and innovative solutions.
- Enhanced Resource Allocation:-Allocate sufficient budget and resources for the design, implementation, and continuous improvement of training programs. Prioritize strategic investments that deliver measurable outcomes.

The integration of technology in training delivery, such as e-learning platforms and AI-driven personalization, has revolutionized traditional approaches (Chen, 2022). Gamification and virtual simulations are emerging as innovative tools to engage employees, enhance retention, and replicate real-world scenarios. Moreover, continuous feedback mechanisms and post-training evaluations are being emphasized to ensure long-term effectiveness (Leuhery, 2024).

Recent reports demonstrate that Dubai's government increased its training investment by 20% in 2022, leading to measurable improvements in service delivery and employee satisfaction (Mdhlalose, 2020). Furthermore, advancements in technology adoption, such as the integration of AR in employee onboarding, have enhanced learning outcomes by 35% compared to traditional methods.

Investing in robust training and development frameworks is no longer optional but a necessity for organizations aiming to thrive in a competitive and rapidly evolving environment. Future studies should explore hybrid training models that combine the best of in-person and online methodologies, thereby catering to diverse learning preferences and maximizing outcomes.

As Dubai continues to evolve as a global hub for innovation and excellence, its public sector training programs must adapt to emerging challenges. Future initiatives could focus on:

- Hybrid Training Models: Combining in-person and online training to provide flexibility and cater to diverse learning preferences.
- Sustainability in Training: Developing programs that align with long-term organizational goals and UAE's Vision 2030 sustainability framework.
- Cross-Sector Collaboration: Partnering with private sector entities to incorporate best practices and industry expertise into public sector training.

By embracing these recommendations, Dubai's public sector can not only sustain its performance excellence but also set a benchmark for innovative and impactful training practices globally.

### Conflict of interests

The authors declare no conflict of interest.

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