

Employee Well-Being in the Digital Era: Exploring the Paradox of Flexibility and Burnout

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ARTICLE INFORMATION

Publication information

Research article

HOW TO CITE

Tinake, S. Y., & Tamima, M. N. S. D. (2026). digital flexibility and burnout using a library Employee well-being in the digital era: research approach with systematic Exploring the paradox of flexibility and narrative synthesis. Data were obtained from peer-reviewed journals indexed in Google Scholar, including major publishers such as Elsevier, Emerald, MDPI, and Springer. Guided by the Job Demands–Resources (JD-R) Model and the Conservation of Resources (COR) Theory, the findings show that digital flexibility can enhance autonomy, engagement, and efficiency. However, when work–life boundaries become blurred, this same flexibility may trigger technostress, emotional exhaustion, and reduced well-being. The review highlights that organizational support, empathetic leadership, and a strong psychosocial safety climate are crucial in preventing resource depletion and sustaining employee performance. Overall, the study concludes that achieving sustainable digital work requires aligning technological advancements with strategies that protect and promote employee psychological well-being.

DOI:

<https://doi.org/10.32535/jicp.v8i4.4370>

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Received: 18 November 2025
Accepted: 20 December 2025
Published: 31 January 2026

ABSTRACT

Digital transformation has reshaped modern work by introducing greater flexibility while simultaneously creating new risks for employees' psychological well-being. This study examines the paradox of digital flexibility and burnout using a library research approach with systematic narrative synthesis. Data were obtained from peer-reviewed journals indexed in Google Scholar, including major publishers such as Elsevier, Emerald, MDPI, and Springer. Guided by the Job Demands–Resources (JD-R) Model and the Conservation of Resources (COR) Theory, the findings show that digital flexibility can enhance autonomy, engagement, and efficiency. However, when work–life boundaries become blurred, this same flexibility may trigger technostress, emotional exhaustion, and reduced well-being. The review highlights that organizational support, empathetic leadership, and a strong psychosocial safety climate are crucial in preventing resource depletion and sustaining employee performance. Overall, the study concludes that achieving sustainable digital work requires aligning technological advancements with strategies that protect and promote employee psychological well-being.

Keywords Burnout; Conservation of Resources Theory; Digital Flexibility; Employee Well-Being; Job Demands–Resources Model; Job Performance

INTRODUCTION

The development of digital technology has fundamentally changed the way individuals and organizations work in the 21st century. Digital transformation is no longer just a trend, but a strategic necessity for organizational sustainability across various sectors (Fernandez-Vidal et al., 2022; Kraus et al., 2021). The emergence of Industry 4.0 and the massive data revolution have prompted companies to adopt technology-based work systems, such as automation, artificial intelligence, and virtual communication (Kumar & Kaur Bagga, 2023; Leesakul et al., 2022). In this context, traditional work models that rely heavily on physical presence are shifting toward remote and hybrid systems that provide flexibility in time and space. These changes not only affect organizational structures and collaboration patterns, but also have profound implications for employees' psychological well-being (Al-Ayed et al., 2025; Henke et al., 2022).

One of the most prominent impacts of the digitalization of work is the emergence of the paradox of flexibility. On one hand, the flexibility offered by digital systems has been proven to enhance autonomy, work-life balance, and employee satisfaction (Shimura et al., 2021). On the other hand, the boundaries between work and personal life are becoming increasingly blurred, potentially increasing psychological distress and the risk of burnout (Arunprasad et al., 2022; Van Zoonen & Sivunen, 2022). This phenomenon shows that digital transformation, while intended to simplify work and improve efficiency, can also generate new sources of stress when organizations fail to manage digital work demands in a balanced manner. As a result, employees' psychological well-being has become a strategic issue requiring both scientific and practical attention.

Previous studies have highlighted various benefits of digital flexibility, such as increased productivity, time efficiency, and opportunities to create a more sustainable work environment (Chwiłkowska-Kubala et al., 2023; Hao et al., 2023). Nevertheless, much of the existing research still focuses on the technological and managerial dimensions of digital transformation, while the psychological and social dimensions of workers often receive less attention (Al-Alawi et al., 2023). In fact, recent findings show that adapting to a digital work environment requires new skills, including resilience, self-autonomy, and emotional intelligence (Henke et al., 2022; Rahmatullah et al., 2022). In other words, organizational success in the digital era depends not only on technological readiness, but also on humans' ability to adapt to rapid and continuous change.

This paradox becomes even more complex when associated with the rise of remote and hybrid work, which increased significantly after the COVID-19 pandemic. A study by Sahut and Lissillour (2023) shows that remote work systems offer substantial opportunities for organizational efficiency, yet also present challenges in maintaining employees' emotional engagement. Meanwhile, research by Van Zoonen and Sivunen (2022) found that high frequencies of digital communication can lead to feelings of social isolation and psychological exhaustion, especially among individuals with low social support. These conditions demonstrate the need for a theoretical framework capable of explaining the dynamics between digital work demands and employees' personal resources.

To understand this phenomenon more deeply, this article applies two complementary theoretical frameworks: the Job Demands-Resources (JD-R) Model and the Conservation of Resources (COR) Theory. The JD-R Model provides insight into how the balance between job demands and resource availability influences employee well-being and performance levels (Idris et al., 2011; Koroglu & Ozmen, 2022). Meanwhile, COR Theory emphasizes the importance of preserving psychological resources to mitigate stress and prevent long-term fatigue (Wright & Hobfoll, 2004; Halbesleben et

al., 2014). By integrating these two frameworks, this study aims to shed light on the paradox of employee well-being in the digital era—where flexibility designed to support balance may, in fact, become a new source of pressure.

LITERATURE REVIEW

The Job Demands–Resources (JD-R) Model

The Job Demands–Resources (JD-R) model provides one of the most comprehensive frameworks for understanding employee well-being and performance in organizational settings. Developed by Demerouti and Bakker, the model posits that all job characteristics can be categorized as either demands or resources, each exerting opposing influences on employee functioning. Job demands—such as workload, time pressure, and digital surveillance—require sustained effort and often deplete psychological or physical energy. In contrast, job resources—such as autonomy, social support, and access to technology—enable employees to meet work goals, foster personal development, and buffer the negative effects of excessive demands (Idris et al., 2011). In today's digital workplaces, this balance between demands and resources has become increasingly complex, as technological innovations simultaneously ease certain tasks while amplifying cognitive and emotional strain.

The relevance of the JD-R model to the digital era lies in its flexibility to account for evolving work environments. Technological advancements have introduced new forms of autonomy and efficiency, yet they also heighten the risk of information overload and blurred work–life boundaries (Chowhan & Pike, 2023). For instance, hybrid work arrangements often grant employees greater flexibility, but constant connectivity and digital communication pressures can turn flexibility into a hidden demand. When job resources—such as supportive leadership or clear digital norms—are insufficient, the positive potential of flexibility may invert, leading to stress, fatigue, and ultimately burnout (Zhou et al., 2024). Thus, the JD-R model explains the paradox of digital work: the same technological tools that empower employees may simultaneously undermine their well-being if the resource–demand balance is not maintained.

Another key strength of the JD-R framework is its capacity to integrate both motivational and strain processes. The health impairment process describes how excessive demands drain energy and diminish psychological well-being, leading to disengagement and decreased performance. In contrast, the motivational process illustrates how adequate resources enhance engagement and foster optimal performance (Grover et al., 2018; Koroglu & Ozmen, 2022). These dual mechanisms provide a nuanced understanding of how digital environments shape employee experiences. For example, employees equipped with adequate digital resources—such as skill training or adaptive technologies—are more likely to experience work engagement and psychological growth despite high workloads. Conversely, when technology outpaces support systems, cognitive overload can quickly erode well-being and diminish effectiveness.

The model has also evolved to include contextual variables such as leadership, social capital, and psychosocial safety climate. Idris et al. (2011) emphasized the role of a strong psychosocial safety climate as an overarching organizational resource that fosters trust and mitigates job strain. Similarly, Baquero (2023) found that authentic leadership strengthens employees' psychological well-being by enhancing engagement and trust, which, in turn, improve performance outcomes. Within digitalized organizations, such resources extend beyond traditional interpersonal factors to include the design of digital tools, clarity of communication channels, and fairness of algorithmic management systems. Hence, resource adequacy in the digital era requires both technological and social alignment to sustain well-being and performance.

Conservation of Resources (COR) Theory

The Conservation of Resources (COR) theory developed by [Wright and Hobfoll \(2004\)](#) provides an in-depth perspective on how individuals seek to maintain, protect, and develop the resources they possess to survive in stressful work environments. According to this theory, stress occurs when a person's resources are threatened, lost, or when resource investments do not yield the expected outcomes. These resources include external conditions (such as social support and job security), personal resources (such as optimism and competence), and psychological energy (including time, attention, and vitality). In today's digital work context, COR theory has become particularly relevant because workers must constantly adapt to rapid changes, high information loads, and expectations of flexibility that often drain psychological energy ([Halbesleben et al., 2014](#); [Wright & Hobfoll, 2004](#)).

In the digital age, COR theory explains that excessive work flexibility can become a new source of pressure as boundaries between work and personal life become increasingly blurred. Technology does provide flexibility in terms of time and place of work, but it also extends employees' psychological working hours, creates a sense of being "always connected," and reduces opportunities to recover personal energy. According to [Liu et al. \(2021\)](#), work flexibility improves performance only when individuals possess sufficient resources to adjust—such as organizational support, control over work time, and clear performance expectations. Conversely, when these resources are limited, flexibility accelerates emotional exhaustion and reduces psychological well-being. Thus, COR theory provides a framework for understanding the paradox of flexibility in the digital age, where autonomy intended to enhance well-being can become a burden when resources are depleted.

The theory also highlights the importance of resource gain and resource loss spirals—cycles in which the loss of resources triggers further losses, whereas successful resource retention or acquisition generates additional gains. In organizations, social support, transformational leadership, and a work environment that values life balance are key components of a resource-gain spiral ([Kim Quy et al., 2023](#); [Liu et al., 2025](#)). Employees with a reserve of psychological resources—such as resilience and optimism—are better equipped to withstand heavy digital demands and are more likely to develop long-term well-being. Conversely, when individuals are under-resourced, chronic stress and burnout can occur, consistent with findings by [Wright and Cropanzano \(1998\)](#), which highlight emotional exhaustion as a strong predictor of decreased work performance.

Additionally, COR theory provides insights into how organizations can design strategies to minimize resource loss. [Westman et al. \(2004\)](#) assert that well-being-focused organizational and managerial support can strengthen individuals' ability to maintain their psychological resources. Leadership that provides meaning, role clarity, and opportunities for recovery helps employees restore energy and maintain psychological balance amid digital demands. In this context, COR theory serves not only as a framework for stress and resource management but also as a practical guide for organizations seeking to build adaptive and sustainable work systems in the digital era.

Integrative Perspectives: Connecting JD-R and COR in a Digital Work Environment

The linkage between the Job Demands–Resources (JD-R) Model and the Conservation of Resources (COR) Theory provides a strong conceptual foundation for understanding employee psychological well-being in the digital age. Both theories emphasize the importance of balancing work demands and available resources, but from different angles. The JD-R Model focuses on structural job characteristics, explaining how they

act as burdens (demands) or supports (resources). Meanwhile, COR Theory highlights individual psychological processes in maintaining and managing personal resources. When combined, they create a more holistic analysis: JD-R illustrates how organizational conditions shape pressures and opportunities, whereas COR explains how individuals respond, cope, and restore psychological balance (Halbesleben et al., 2014; Wright & Hobfoll, 2004).

The integration of JD-R and COR becomes particularly relevant in digital work environments characterized by high flexibility but also heightened burnout risk. Technology-based workplaces introduce new forms of demands—such as technostress, information overload, and expectations of constant responsiveness (Chowhan & Pike, 2023). From a JD-R perspective, these factors constitute job demands that can diminish energy and engagement when not balanced with resources such as social support, autonomy, and digital training (Nuutinen et al., 2022). From a COR perspective, these pressures reflect processes of resource depletion when employees face ongoing demands without sufficient recovery time. However, organizations that provide strong supportive resources—such as empathetic leadership, healthy flexible work structures, and work–life balance policies—can strengthen resource gain spirals that enhance employee well-being (Liu et al., 2021; Naqshbandi et al., 2024). Thus, integrating these two theories offers deeper insight into how balancing demands and resources is central to sustaining well-being and performance in the digital world of work.

RESEARCH METHOD

This study uses a library research approach with a systematic narrative analysis method, designed to identify, evaluate, and synthesize the findings of previous research in a structured and transparent manner (Snyder, 2019; Xiao & Watson, 2019). This approach was chosen because it is relevant for developing a comprehensive understanding of employee well-being in the digital age, particularly in relation to work flexibility and the potential risk of burnout.

The data collection process was conducted through a systematic search of academic literature using Google Scholar as the primary database. The search employed a combination of keywords such as “employee well-being,” “job performance,” “digital work,” “flexibility,” “remote work,” and “burnout.” To ensure the validity and credibility of sources, only articles published in reputable peer-reviewed scientific journals were included. Several key journals used as references include the Journal of Business Research (Elsevier), the International Journal of Manpower (Emerald), Applied Psychology (Wiley), Frontiers in Psychology (Frontiers Media), Affective Science (Springer Nature), Technology in Society (Elsevier), and the International Journal of Environmental Research and Public Health (MDPI).

The inclusion criteria consisted of English-language publications that discuss employee well-being, work performance, and the impact of digital transformation on work dynamics. Articles focusing solely on the technical aspects of digitization without considering psychological or organizational dimensions were excluded. From the initial search, approximately 80 articles were identified and subsequently narrowed down to 40 of the most relevant articles based on topic alignment, methodological quality, and theoretical contribution.

Literature analysis was carried out using thematic narrative synthesis, in which each article was reviewed to identify recurring patterns and key themes. Three main themes emerged: (1) the impact of digital flexibility on psychological well-being, (2) the balance between work demands and employee resources, and (3) the risk of burnout in

technology-based work environments. These themes were then integrated with two primary theoretical frameworks—the Job Demands–Resources (JD-R) Model and the Conservation of Resources (COR) Theory—to conceptually explain the paradox of well-being in the digital age.

This approach strengthens the validity of the study because it draws on cross-disciplinary empirical literature from reputable journals, ensuring that the resulting synthesis is not only conceptual but also supported by representative empirical evidence. Thus, this research provides a robust theoretical foundation for understanding the relationship between digital flexibility, psychological well-being, and employee performance in the modern work era (Paul & Criado, 2020).

RESULTS

The review of the literature reveals that employee well-being in the digital era has become a growing concern, particularly as the COVID-19 pandemic accelerated the adoption of remote work systems. Most studies emphasize that digital flexibility provides substantial benefits for autonomy, job satisfaction, and work–life balance (Ahmed et al., 2021; Naqshbandi et al., 2024; Sahut & Lissillour, 2023). Increased flexibility in the time and place of work strengthens employees’ sense of control and intrinsic motivation.

However, several findings also highlight the paradox of digital flexibility. Studies by Chowhan and Pike (2023) and Bakker et al. (2023) warn that excessive flexibility without clear boundaries can trigger technostress, emotional exhaustion, and social isolation. This aligns with Kim (2022), who found that excessive digital exposure without adequate social support diminishes psychological well-being.

Organizational and social factors play a major role in maintaining this balance. Empathetic leadership and a supportive work culture significantly reduce employee stress and enhance emotional well-being (Mohr et al., 2021; Raina, 2022). Furthermore, according to the Job Demands–Resources (JD-R) Model, maintaining a balance between job demands and psychological resources is essential for sustaining both performance and mental health (Idris et al., 2011; Koroglu & Ozmen, 2022; Nuutinen et al., 2022).

Meanwhile, the Conservation of Resources (COR) Theory explains that continuous loss of personal resources—such as rest, social support, and a sense of control—increases the risk of burnout (Bakker et al., 2023; Wright & Hobfoll, 2004). These findings underscore the importance of psychological recovery as a protective mechanism in technology-driven work environments that demand constant adaptation.

Table 1. Summary of Selected Studies

No.	Author	Year	Study Objectives	Methodology	Main Findings
1.	Ahmed, F. et al.	2021	To examine how inclusive leadership influences employees’ psychological wellbeing during crisis situations.	Longitudinal mediation study (three-wave design).	Inclusive leadership enhances psychological wellbeing through perceived organizational support.

2.	Ng, P.M. et al.	2022	Evaluate how technology, organization, and environmental contexts affect the adoption of remote work.	Systematic review (TOE framework)	Digital adaptation depends on the readiness of technology and organizational culture.
3.	Naqshbandi, M. M. et al.	2024	Examine the relationship between work flexibility, engagement, and performance in a hybrid workplace.	Quantitative (cross-sectional survey)	Flexibility and autonomy improve work engagement and psychological well-being.
4.	Chowman, J. & Pike, K.	2023	Analyze the influence of workload and work-life interfaces on job satisfaction during the pandemic.	Quantitative (JD-R model)	Excessive workload increases technostress and decreases work well-being.
5.	Bakker, A. B. et al.	2023	Testing the effects of chronic burnout in the face of weekly work demands.	Mixed-method (JD-R & COR framework)	A decrease in personal resources leads to burnout and decreased performance.
6.	Mohr, C. D. et al.	2021	Assess the effectiveness of supervisor training in improving the daily well-being of veteran employees.	Quantitative experiments	Empathy training improves emotional stability and psychological well-being.
7.	Raina, R	2022	Exploring the impact of empathic behavior on postcritical employee wellbeing.	Qualitative studies (interviews & thematic analysis)	Empathetic leadership and supportive communication increase resilience and meaning at work.
8.	Koroglu, S. & Ozmen, O.	2022	Examine the relationship between work engagement, innovation, and psychological wellbeing.	Quantitative (survey-based, JD-R model)	Work engagement mediates the influence of resources on innovative behaviors.

9.	Wright, T. A. & Hobfoll, S. E.	2004	Testing the relationship between commitment, psychological wellbeing, and burnout.	Quantitative (COR theory framework)	Loss of resources is directly related to a decline in wellbeing and performance.
10.	Liu, L. et al.	2025	Analyze the influence of social support on new teachers' work engagement.	Quantitative (survey, COR & SOR)	Social support strengthens engagement and reduces the stress of digital adaptation.
11.	Kim, H. K.	2022	Examining the relationship between work stress, coping strategies, and the well-being of female workers.	Quantitative (correlational survey)	Coping and resilience strategies reduce the impact of negative digital stress.
12.	Park, C. L. et al.	2023	Explore the importance of emotional wellbeing and meaning in work.	Conceptual review	Well-being increases when individuals find personal meaning in digital work.

Source: [Ahmed, F. et al. \(2021\)](#); [Ng, P.M. et al. \(2022\)](#); [Naqshbandi, M. M. et al. \(2024\)](#); [Chowhan, J. & Pike, K. \(2023\)](#); [Bakker, A. B. et al. \(2023\)](#); [Mohr, C. D. et al. \(2021\)](#); [Raina, R. \(2022\)](#); [Koroglu, Ş. & Ozmen, O. \(2022\)](#); [Wright, T. A. & Hobfoll, S. E. \(2004\)](#); [Liu, L. et al. \(2025\)](#); [Kim, H. K. \(2022\)](#); [Park, C. L. et al. \(2023\)](#).

DISCUSSION

The findings highlight that employee well-being in the digital era embodies a clear paradox: flexibility offers greater autonomy but simultaneously heightens psychological strain. In line with the Job Demands–Resources (JD-R) Model, digital work enhances engagement and satisfaction when job demands are balanced with adequate resources. However, blurred boundaries and constant connectivity can transform flexibility into an additional stressor that triggers technostress and emotional exhaustion ([Bakker et al., 2023](#); [Chowhan & Pike, 2023](#); [Kim, 2022](#)). Thus, digital well-being depends not merely on technological progress but on how organizations structure humane work systems that enable recovery and provide adequate support.

Complementing this, the Conservation of Resources (COR) Theory explains that the depletion of personal resources—such as energy, time, and social support—leads to burnout and lower job performance ([Liu et al., 2025](#); [Wright & Hobfoll, 2004](#)). Sustainable digital work therefore requires policies that protect employee resources, including empathetic leadership, the right to disconnect, and a strong psychosocial safety climate ([Idris et al., 2011](#); [Mohr et al., 2021](#)). In essence, maintaining well-being in the digital age depends on aligning organizational flexibility with psychological sustainability.

CONCLUSION

Digital transformation has revolutionized the global work landscape in unprecedented ways. While digital flexibility is often celebrated as a symbol of progress and efficiency, this study reveals a fundamental paradox regarding employees' psychological well-being. The literature review indicates that technology-driven work flexibility functions as a double-edged sword: on one hand, it enhances autonomy, productivity, and job satisfaction; on the other, it heightens psychological strain, social isolation, and the risk of burnout when not balanced with sufficient organizational and personal resources.

The integration of the Job Demands–Resources (JD-R) Model and the Conservation of Resources (COR) Theory provides a strong theoretical framework to explain this paradox. The JD-R Model underscores the importance of balancing job demands and resources to maintain employee well-being, while COR emphasizes the preservation of psychological resources to prevent fatigue and performance decline. Findings suggest that digital flexibility does not always yield positive outcomes if organizations fail to create psychologically safe environments and provide adequate social support mechanisms.

Conceptually, this article contributes to the growing body of literature on employee well-being in the digital era by offering an integrative perspective linking flexibility, job demands, and psychological sustainability. It argues that employee well-being is not merely a function of individual adaptability to technology, but a systemic balance between human factors, digital infrastructure, and organizational policies. Practically, the findings emphasize that digital transformation should prioritize not only structural efficiency but also the fostering of psychological well-being through balanced job design, empathetic leadership, and inclusive work cultures.

Nevertheless, this study has limitations, as it is based on secondary literature and does not empirically test causal relationships. Future research should employ mixed-method approaches to validate the proposed conceptual framework in organizational contexts. Further investigations may also explore mediating variables such as psychological capital, digital fatigue, and work engagement to deepen understanding of employee well-being dynamics in increasingly digitalized workplaces.

ACKNOWLEDGMENT

The authors gratefully acknowledge the contributions of informants, colleagues, and all individuals who supported this research through their insights and engagement. Their involvement greatly enriched the quality and depth of this study.

DECLARATION OF CONFLICTING INTERESTS

The authors have declared no potential conflicts of interest concerning the study, authorship, and/or publication of this article.

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