

# Google Gemini's Influence on Workplace Dynamics in Bangkok: An Empirical Study of AI Integration, Employee Interactions, and Job Satisfaction

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## Abstract

This research study delved into the intricacies surrounding adoption of Google's Gemini and its ramifications on employee interactions, daily operational tasks, and overall job satisfaction within organizational contexts. Employing qualitative methodology, the study utilized in-depth interviews as the primary data collection method. Employing a purposive sampling technique, the participant pool comprised a diverse array of eight individuals from various organizational departments of firms in Bangkok, Thailand to ensure inclusion of different perspectives and roles. Through content analysis, the study scrutinized the multifaceted impact of Gemini on the dynamics of organizational operations. The findings revealed that the introduction of Google's Gemini significantly reverberated across three dimensions of workplace dynamics: employee interactions, execution of daily operational tasks, and the overarching sentiment of job satisfaction among employees. While integration of Gemini promises to substantially augment productivity levels and elevate workforce morale, a nuanced and balanced approach is imperative to optimize its benefits while mitigating potential drawbacks. This necessitates a deliberate focus on preserving the human elements indispensable for fostering a dynamic, innovative, and harmonious team environment amidst the technological advancements facilitated by Gemini.

**Keywords:** *Gemini, employee interactions, operational tasks, job satisfaction*

## Introduction

The integration of artificial intelligence (AI) into the workplace has fundamentally reshaped how businesses operate, influencing everything from operational efficiency to employee engagement. This transformative technology offers numerous potential benefits, such as automating routine tasks, enhancing decision-making processes, and personalizing employee experiences, but it also introduces challenges, including ethical considerations and the potential for workforce displacement (Wamba-Taguimdje et al., 2020; Zirar et al., 2023). AI technologies such as machine learning algorithms, natural language processing, and robotic process automation have become integral in various sectors including finance, healthcare, manufacturing, and customer service. These tools help companies to analyze vast amounts of data quickly, predict trends, and make informed decisions more efficiently than ever before. For instance, AI-driven analytics can identify inefficiencies in supply chains, while chatbots can handle customer inquiries, freeing up human employees for more complex tasks (Jha et al., 2021; Haleem et al., 2022; Aldoseri et al., 2023).

Launched in May 2023, Google's Bard AI represents an advanced AI chatbot engineered to respond to a broad spectrum of user inquiries with a sophistication nearing human understanding. Similar to other AI-powered text generation tools such as ChatGPT, Bard AI differentiates itself by integrating the capabilities of Google Search. This integration facilitates direct access to contemporary information from the Internet, proving particularly advantageous for tasks necessitating up-to-date knowledge or rapid information retrieval. The foundation of Bard AI lies in Google's Pathways Language Model (PaLM 2), which has undergone extensive training on a comprehensive dataset encompassing text from books, articles, websites, and code from GitHub repositories. Such thorough training empowers Bard AI to execute a variety of tasks, including text generation, language translation, creation of diverse creative content, and providing informative responses to user queries (Rudolph et al., 2023; Siad, 2023; Waisberg et al., 2024).

Furthermore, as reported by Pichai and Hassabis (2023), CBS News (2024), and Langley (2024), Google renamed its "Bard" chatbot to reflect the new AI technology powering it, named "Gemini." The launch of Gemini intensifies competition between Google and Microsoft in the realm of emerging AI technologies, which these companies promote as innovative tools for enhancing creativity, facilitating tasks such as code debugging, and even preparing for job interviews. Google has introduced a free version of Gemini, alongside a premium variant available at \$20 per month, offering two months for free to attract trial users. Ahead of the official announcement, Sissie Hsiao, a Google general manager responsible for Gemini, expressed to journalists, "We believe this represents one of the most significant advancements in fulfilling our mission." Gemini's functionalities will be integrated into Google's search application for iPhones, a platform where Apple has traditionally promoted its Siri voice assistant for similar tasks. According to the Mountain View, California based company, Gemini is a highly advanced AI system capable of tutoring students, providing coding assistance to engineers, generating creative project ideas, and producing content based on user preferences. While its longstanding voice assistant will continue to be available, Google expects that Gemini will become the primary method through which users engage with the technology to assist in their thinking, planning, and creative processes. This development signifies Google's continued exploration of new and potentially challenging territories, while still adhering to its foundational mission to "organize the world's information and make it universally accessible and useful."

The critical dependence of many organizations on effective customer service highlights the importance of ensuring customer satisfaction and loyalty, as well as maintaining high performance levels. Within this context, recent advancements in AI offer substantial opportunities for enhancing operational efficiencies and improving employee interactions. Google Gemini, a state-of-the-art AI tool, has demonstrated considerable potential to revolutionize workplace dynamics. Although numerous studies have been conducted on various AI applications, such as ChatGPT—for instance, Limna et al. (2024) investigated the integration of ChatGPT in business environments in Bangkok, Thailand—the specific implications of Google Gemini within Thai organizational settings remain insufficiently explored. This empirical study explores the integration of Google Gemini and its impact on employee interactions, daily operational tasks, and overall job satisfaction. By examining these crucial areas, the research seeks to provide deeper insights into the effects of AI technologies on organizational dynamics and employee well-being. The findings are expected to inform the development of more effective strategies for AI integration in the workplace, focusing on enhancing both employee satisfaction and organizational performance.

### **Research Objective**

The primary objective of this study is to explore the specific impacts of Google's Gemini on workplace dynamics in Bangkok, Thailand, focusing on three key areas: 1) employee interactions, 2) daily operational tasks, and 3) job satisfaction. Workplace dynamics, in this context, refer to the interactions, relationships, and communication patterns among employees within an organization.

1. For employee interactions, the study examines how the automation of routine tasks and enhanced communication through Google's Gemini influence interpersonal relationships and collaboration among employees.
2. Regarding daily operational tasks, it explores how Gemini streamlines operations, reduces the burden of mundane tasks, and allows employees to focus on strategic and creative activities.
3. Finally, for job satisfaction, the study assesses how the integration of Gemini affects employees' overall job satisfaction by reducing workload and stress and providing opportunities for more meaningful work.

By examining these areas, the research aims to provide insights into the broader impact of AI technologies on organizational dynamics and employee well-being.

## Review of Related Literature

In the contemporary dynamic business environment, effective workforce management emerges as a critical challenge for organizations aiming to secure sustainable growth and a competitive edge. Hurry (2024) proposes a transformative approach to workforce management that leverages advanced analytics, AI, and integrated strategies to accurately forecast performance. This method synthesizes data-driven insights with proactive decision-making, enabling businesses to optimize employee performance, enhance productivity, and drive organizational success. The holistic framework encompasses predictive analytics models, AI-driven algorithms, and strategic initiatives, all aimed at facilitating comprehensive workforce optimization. By employing machine learning techniques, organizations can acquire valuable insights into employee behavior, preferences, and performance patterns, which support proactive interventions to address potential issues and seize opportunities. By aligning workforce management strategies with broader organizational goals, companies can cultivate a culture of continuous improvement and innovation. This alignment helps ensure long-term sustainability and resilience in a rapidly changing market environment.

Mossavar-Rahmani and Zohuri (2024) highlighted that global industrial landscapes are undergoing significant transformation due to the integration of AI in workplace settings, ushering in a new era marked by enhanced productivity, creativity, and revolutionary changes. AI technologies are becoming indispensable tools that refine workflows, automate repetitive tasks, and augment human capabilities across various sectors, including finance, human resources, and manufacturing. In manufacturing, AI-driven robotic systems are improving speed and precision, thereby increasing output and achieving economies of scale. In the financial sector, AI algorithms play a crucial role by analyzing extensive datasets to provide insights into market trends, risks, and investment strategies. Furthermore, AI-powered chatbots are transforming customer service by delivering immediate, personalized support, revolutionizing the interaction between consumers and businesses.

Naqbi et al. (2024) illustrated that the integration of generative AI across diverse organizational settings signifies a substantial advancement in digital transformation and creativity enhancement. The deployment of generative AI in sectors such as academia, engineering, and communications is revolutionizing productivity enhancements, ranging from the generation of compelling advertising content to the rapid production of precise technical reports. Nonetheless, the implementation of generative AI presents several ethical challenges, necessitating strict adherence to safety standards and legislative frameworks. It is imperative to acknowledge the social and cultural ramifications associated with its use. Consequently, while generative AI serves as a powerful tool for business innovation, its effective and responsible utilization demands meticulous management.

Fenwick et al. (2024) elucidated a modern and forward-thinking perspective on the strategic and human-centric functions of human resource management (HRM) as AI becomes increasingly integrated within the workplace. Over the past twenty years, HRM has experienced a profound transformation, shaped by market dynamics and technological advances, transitioning into a discipline that is both cross-functional and data-driven. As AI infiltrates various HRM functions, it catalyzes a revolution in traditional practices by increasing system efficiencies, conducting advanced data analysis, and enhancing value creation processes within organizations. Consequently, HRM assumes a vital role in addressing the complexities introduced by AI-driven environments, ensuring that integration of these technologies is aligned with organizational goals and employee welfare.

Bhargava et al. (2021) qualitatively explored working adults' perceptions of the implementation of robotics, AI, and automation [Robotics, Artificial Intelligence, and Automation (RAIA)] on job security, job satisfaction, and employability. The findings suggested that "human touch" and "soft skills" remain irreplaceable by RAIA. Employees need to view RAIA as an opportunity rather than a threat, although they may face a job satisfaction dilemma. Organizations must be well-prepared for industrial changes both before and after implementation of RAIA. These insights are valuable for industrial and organizational psychologists, HRM practitioners, and strategic IT decision-makers in managing RAIA-related technological changes. Considering employees' suggestions and perceptions can help mitigate the consequences of these changes. Both employees and employers should adopt a

flexible and open-minded approach toward RAI technology, embracing its potential impact on job roles and responsibilities, with a commitment to continuous learning and technological adaptation.

According to Braganza et al. (2021), innovative and highly efficient Artificial Intelligence System Automation (AI-SA) is reshaping jobs and the nature of work throughout supply chain and operations management. AI-SA can have one of three effects on existing jobs: no effect, elimination of entire jobs, or elimination of specific tasks within a job. This paper focused on jobs that remained after the effects of AI-SA, albeit with alterations. The term "Gigification" is used to describe these altered jobs, as they share characteristics of gig work. The study examined the relationship between Gigification, job engagement, and job satisfaction. While Gigification tended to increase job satisfaction and engagement, AI-SA weakens this positive impact. The authors suggested that, over time, the effects of AI-SA on workers will lead to a shift from full-time, permanent jobs to gigified jobs.

## **Methodology**

This research adopted a qualitative methodological approach. Central to this approach were in-depth interviews, a hallmark of qualitative research. Qualitative research aims to uncover the underlying reasons and processes that guide individuals' decisions and actions, seeking to understand how these choices ultimately take shape (Kalu & Bwalya, 2017). In-depth interviews are particularly effective in garnering detailed insights on specific topics, yielding precise information aligned with research objectives. They facilitate a deep dive into subject matter, enabling a nuanced understanding that quantitative methods may not capture (Rutledge & Hogg, 2020). Additionally, it integrated a documentary method as a complementary approach to reinforce primary data collection. This involved a meticulous review of secondary data, which played a crucial role in formulating pertinent interview questions. The synthesis of primary data from in-depth interviews and secondary data reviewed provided a robust foundation for achieving comprehensive and accurate research outcomes.

The study employed a purposive sampling methodology to select respondents. Purposive sampling involves the intentional selection of participants deemed to have a deep understanding and knowledge pertinent to the research topic (Tongco, 2007). The sample was comprised of eight participants. They were specifically chosen for their direct experience with AI tools like Google's Gemini within their professional roles, ensuring that their insights were highly pertinent to the study. Individuals who had actively engaged with or managed the implementation of AI technologies in their respective departments were selected.

To capture a wide range of perspectives on the impact of Gemini, the sample included participants from various departments such as operations, human resources, information technology, and research and development. The organizations varied in their nature, encompassing sectors such as business operations and technical support. The participants held positions at different levels within their organizations, including operational, middle management, and strategic levels. This diverse representation made possible a broad understanding of Gemini's impact across various organizational functions and hierarchies. Ensuring an equal gender distribution (four males and four females) provided a balanced view of experiences and perceptions. The age range of participants (29 to 40 years) ensured that they were mature professionals with diverse career experiences, contributing to the depth of the insights gathered. All participants were residents of Bangkok, Thailand, ensuring contextual relevance to regional business practices and cultural dynamics, making the findings more applicable to similar settings. Additionally, the participants were professionals and subject-matter experts in organizational workplace dynamics, particularly with recent experiences or knowledge related to AI tools like Gemini. The extent to which the respondents used generative AI in the workplace varied. Some participants used Gemini extensively for automating routine tasks like data entry, email filtering, and report generation. Others utilized it for more strategic functions, such as data analysis and pattern recognition, which enhanced decision-making and operational efficiency. Overall, the integration of Gemini into their daily work allowed participants to focus more on high-level problem-solving and strategic thinking, significantly influencing their job roles and satisfaction.

Table 1 presents the participants' demographic information, detailing their gender, age, department, as well as the dates and times at which their interviews were conducted.

**Table 1** Respondents' Demographic Information and Interview Dates and Times

No.	Gender	Age	Department	Date and Time of Interview
R1	Male	32	Operations	March 26, 2024 at 09:30 am
R2	Male	40	Human Resources	March 26, 2024 at 11:00 am
R3	Male	39	Human Resources	March 26, 2024 at 01:00 pm
R4	Male	31	Research and Development	March 27, 2024 at 09:00 am
R5	Female	29	Operations	March 27, 2024 at 11:00 am
R6	Female	37	Information Technology	March 27, 2024 at 01:00 pm
R7	Female	40	Human Resources	March 28, 2024 at 09:00 am
R8	Female	33	Research and Development	March 28, 2024 at 01:00 pm

From Table 1, the study respondents also represented different organizational levels, with distinct roles and job descriptions. In operations (R1 and R5), responsibilities included overseeing daily business activities, optimizing operational efficiency, and ensuring smooth workflow. Gemini's automation of repetitive tasks such as data entry and report generation allowed these participants to focus more on strategic planning and client interactions. Human resources professionals (R2, R3, and R7) managed employee relations, recruitment, training, and development. The tool streamlined communication tasks like scheduling meetings and summarizing key decisions, enhancing overall efficiency, and enabling deeper engagement in strategic human resources initiatives and employee development programs. In research and development (R4 and R8), responsibilities encompassed conducting research, developing new products, and improving existing ones. Gemini assisted in data analysis and pattern recognition, significantly reducing time spent on routine work and allowing these respondents to concentrate on innovative research and product development. For information technology (R6), tasks involved managing the company's IT infrastructure, ensuring cybersecurity, and supporting technology-driven projects. The automation of routine IT tasks and enhanced data analysis capabilities improved operational efficiency and accuracy, enabling the IT professional to focus on higher-level problem-solving and system improvements.

Content analysis facilitates the systematic and objective delineation and quantification of distinct phenomena. This method allows for the extraction of valid inferences from verbal, visual, or written data (Vespestad & Clancy, 2021). In this study, content analysis served as the primary tool for analyzing qualitative data gathered from in-depth interviews. It was instrumental in interpreting participants' nuanced verbal responses, enabling a comprehensive understanding of the study's subject matter within the context of Gemini's influence on workplace dynamics.

## Results

A systematic analysis of participants' responses yielded several noteworthy themes regarding the implementation of Gemini within organizational workplace dynamics. These themes encompassed employee interactions, the management of daily operational tasks, and the overarching impact on job satisfaction. Gemini's integration in the workplace has positively impacted employee interactions by freeing up time for more meaningful engagement, improving operational efficiency through

automation, and enhancing job satisfaction by reducing stress and enabling focus on more valuable tasks. However, the study also underscored the necessity for organizations to address concerns about job security and provide continuous training to help employees thrive in an AI-enhanced environment. Each theme provides a nuanced understanding of the transformative effects that Google's Gemini exerts on both interpersonal collaborations and procedural efficiencies within workplaces. This exploration offers valuable insights into how such technological integration can enhance or modify traditional work environments, potentially leading to improved productivity and employee morale.

### ***Employee Interactions***

Employee interactions in the workplace were notably influenced by the introduction of Gemini, which serves multiple functions that reshape communication dynamics. By managing routine communication tasks such as scheduling meetings, summarizing key decisions, and providing language translations, Gemini helped streamline interactions and reduce miscommunications, particularly in diverse teams or those spread across various geographical locations. This optimization of communication processes allowed employees to focus more on substantive, in-person engagements and collaborative brainstorming sessions, thereby enhancing interpersonal relationships and fostering a more cooperative work atmosphere. However, a potential downside is an over-reliance on Gemini for communication that could lead to a decrease in face-to-face interactions among team members. This shift might undermine team cohesion and diminish opportunities for spontaneous knowledge exchange, which are often crucial for holistic team development and innovation.

Gemini has been a game changer for us, especially in how we handle our day-to-day communications. This AI tool takes over routine tasks like scheduling meetings and summarizing decisions, which has been incredibly helpful. (R1)

With the routine tasks automated, we now have the capacity to engage more deeply in project work and brainstorming sessions. This additional time has allowed us to improve our focus on creative and strategic areas where human input is crucial. Instead of merely exchanging emails, we are now able to hold meaningful discussions that drive innovation and strategic planning. For example, our team meetings have transformed from procedural updates to sessions where we collaborate on new ideas and solutions, fostering a more dynamic and productive work environment. (R2)

To be honest, while Google's Gemini is great for managing structured tasks, there is a slight concern that we might start relying too much on digital communication. This can reduce our face-to-face interactions, which are critical for building relationships and informal knowledge sharing. (R3)

Initially, there was a bit of a learning curve, and some team members felt a bit isolated. But as we have adjusted, we have found ways to use Gemini to actually enhance our team dynamics. For instance, its translation features help us communicate more effectively with our international colleagues, which has been fantastic for inclusivity. (R4)

As teams become more global and diverse, Gemini is essential for managing communication barriers and administrative overhead. But it is important to keep the human element in mind and use these tools to support, not replace, the personal interactions that foster team spirit and innovation. (R7)

### ***Daily Operational Tasks***

The integration of Gemini significantly enhanced daily operational tasks within organizations. By automating repetitive tasks such as data entry, report generation, and email filtering, Gemini increased operational efficiency and liberated employees' time. This allowed them to focus more on strategic thinking, problem-solving, and client interactions, thus adding greater value to their roles. While Gemini does not replace traditional data analysis tools, its capabilities in text generation, summarization, completion, and editing help process and interpret large volumes of textual data. This enhances the accuracy of routine tasks by identifying patterns and insights that may elude human observation, supporting more informed decision-making processes. These features, combined with descriptive statistics, ensure that Gemini aids in data interpretation and complements, rather than replaces, specialized data analysis tools. Additionally, this process improves workflow precision and

reliability. The introduction of Gemini prompts a redefinition of required skill sets within workforces. As certain tasks are managed by Gemini, previously valuable skills may decrease in relevance, necessitating a shift in employee competencies. Consequently, organizations are offering training and development opportunities to equip employees with new skills tailored to effectively collaborate with AI assistants like Gemini, ensuring workforce relevance and maximizing AI efficiencies.

Gemini allows employees to focus on more value-added activities. With repetitive tasks being managed by Gemini, we find ourselves spending more time on strategic thinking and direct client interactions. It has really shifted our focus towards higher-level problem-solving and innovation. (R5)

Gemini has been pivotal. By handling mundane tasks like data entry, report generation, and email filtering, this AI tool has drastically improved our operational efficiency. Moreover, Gemini's ability to analyze text-based datasets and identify patterns is exceptional. This not only cuts down the time we spend on analyzing data, but also significantly reduces the margin for human error. The accuracy it brings to our workflows is quite remarkable. (R6)

As Gemini takes over certain tasks, the skill sets required for many roles are changing. Our organization is actively investing in training programs to help employees acquire new skills that complement Gemini's capabilities. It is about working alongside AI, not being overshadowed by it. By equipping employees with these new skills, we aim to enhance their workforce's ability to collaborate with AI tools effectively and maintain a competitive edge in the evolving job market. (R7)

In a competitive business environment, efficiency and precision are key. Technologies like Gemini not only enhance these aspects, but also allow businesses to remain agile and responsive to market changes. Adopting such technologies isn't just beneficial; it is necessary for survival and growth. (R8)

### **Overall Job Satisfaction**

The deployment of Gemini within organizations has a profound impact on overall job satisfaction through several distinct pathways. First, by automating mundane and repetitive tasks, Gemini has significantly reduced employee stress and workload. This reduction in daily task pressure can lead to a more positive and less burdensome work experience, enhancing employees' overall job satisfaction. Moreover, relief from these routine duties has allowed employees to engage more deeply with work that is both challenging and fulfilling. This shift enables them to utilize their creativity and expertise more effectively, which can substantially increase job engagement and satisfaction. Employees often find greater value in their roles when they can focus on complex, meaningful tasks that require higher cognitive skills and provide a sense of accomplishment.

However, the introduction of such AI technology also brings about concerns regarding job displacement. With Gemini taking over tasks traditionally performed by humans, fears of redundancy may arise among workforces. It is imperative for organizations to mitigate these fears through clear and transparent communication about AI's role in workplaces. Additionally, offering reskilling and upskilling programs can reassure employees about their career prospects, helping them adapt to the evolving job landscape where AI complements human capabilities rather than replacing them outright. This strategic approach is crucial in maintaining morale and job satisfaction as AI becomes more prevalent in organizational settings.

Gemini has greatly impacted our job satisfaction by taking over the more mundane and repetitive tasks. This shift has noticeably reduced stress levels and allowed us to engage in more meaningful and intellectually stimulating work, which has been fantastic for morale. (R1)

The employees have positive feelings about using their creativity and expertise more effectively. By automating the routine tasks, employees now have the opportunity to tackle more complex challenges, which plays to their strengths and fosters a deeper sense of achievement and satisfaction in their roles. It is empowering for them to apply their skills in ways that add significant value. (R3)

With AI taking over certain tasks, there are concerns about job security among your staff, which, to me, is a natural concern. There is an initial fear that AI might replace jobs. However, our organization is

committed to transparency about the role of AI. We emphasize that AI tools, like Google's Gemini, are here to augment our capabilities, not replace us. (R4)

We offer reskilling and upskilling programs to ensure that our employees are equipped to work alongside AI. These programs are designed to help employees develop new skills that are in demand in an AI-enhanced workplace. For example, we focus on data analysis, project management, and even AI oversight. The aim is to prepare our workforce not just to coexist with AI, but to thrive with it. (R5)

In my opinion, the key is to balance the use of AI with the human aspect of work. This is very important. We need to use AI tools like Gemini to handle tasks that can be automated, but also ensure that we maintain and enhance the elements of work that require human touch—creativity, empathy, and strategic thinking. Providing opportunities for growth and emphasizing the value of human contributions in the AI landscape are essential. (R8)

## **Discussion**

Integration of Google's Gemini into organizational settings has had a profound impact on employee interactions, daily operational tasks, and overall job satisfaction. Gemini has significantly influenced in-person interactions among employees by automating routine tasks and enhancing communication efficiency. This AI tool frees up time, allowing employees to engage more in meaningful face-to-face discussions during meetings and collaborative sessions. In addition, participants highlighted that Gemini facilitates better team dynamics by ensuring alignment through automated summaries and translations, bridging language barriers in diverse teams. This reduction in routine task stress enables employees to focus on strategic activities and innovation during in-person meetings, enhancing overall productivity. However, concerns about over-reliance on digital communication potentially reducing spontaneous interactions were noted. To address this, organizations are encouraged to balance AI use with initiatives promoting in-person engagements and provide training programs to help employees integrate digital tools while maintaining effective face-to-face communication.

Gemini enhances both digital and in-person interactions, creating a more cohesive and productive work environment. This integration profoundly impacts employee interactions, daily operational tasks, and overall job satisfaction. While handling routine communication tasks increases efficiency and fosters improved interpersonal relationships, it also presents challenges such as reduced face-to-face interactions. Organizations must reevaluate necessary skills and develop training programs to adapt to an AI-enhanced work environment. Despite reducing stress and workloads, Gemini raises concerns about job security, necessitating transparent communication and supportive measures like reskilling and upskilling programs.

The findings of this study are aligned with previous research, illustrating the complex role of AI in modern workplace environments. Notably, Mossavar-Rahmani and Zohuri (2024) observed that adoption of AI in workplace settings is precipitating a profound transformation across the global industrial landscape, heralding a new era characterized by heightened productivity, increased creativity, and revolutionary shifts. AI technologies are emerging as vital tools that streamline workflows, automate repetitive tasks, and enhance human capabilities in diverse sectors such as finance, human resources, and manufacturing. This integration of AI is reshaping how businesses operate, driving efficiency and innovation across multiple industries. In addition, Tiwari et al. (2024) explored the multifaceted impacts of AI on productivity, job roles, decision-making processes, and wider socioeconomic contexts. Technologies such as machine learning and natural language processing have been instrumental in facilitating routine tasks, thereby enabling employees to allocate more time to creative and strategic initiatives. This shift is likely to significantly enhance productivity, contributing to improvements in operational efficiency across various industries. Nevertheless, the transformative nature of AI also introduces concerns regarding job displacement and necessitates the upskilling of employees to accommodate evolving job roles.

Furthermore, Morandini et al. (2023) also noted that introduction of AI within organizations involves the simultaneous implementation of various organizational strategies. Initially, it is essential

to identify the cross-functional skills required to bridge existing skills gaps in workplaces. Moreover, organizations play a crucial role in assisting employees to recognize the skills necessary for adopting AI, enhancing their existing skills, and developing new capabilities. Additionally, companies must establish processes to support their workforces by offering targeted training and development opportunities. This ensures that employees maintain open attitudes and adaptable mental models in preparation for evolving labor markets and the accompanying challenges. Moreover, Asfahani (2022) confirmed a positive association between AI and various aspects of industrial-organizational psychology. The study's results indicated that AI-enabled systems and robotics are poised to play a significant role in the future, highlighting their potential to positively impact workplace dynamics and employee well-being. This association underscores the importance of integrating AI technologies thoughtfully within organizational frameworks to enhance operational efficiency and job satisfaction. Ahumada-Tello et al. (2023) found that AI is a valuable tool that facilitates more effective decision-making, and holds promise for enhancing employee well-being. AI can play an important role in shaping the future of work and improving employee satisfaction.

Overall, while the introduction of Gemini can significantly enhance productivity and employee morale, a balanced approach is required to fully leverage its benefits while mitigating the potential downside. This involves maintaining a focus on human elements crucial for fostering a dynamic, innovative, and cohesive team environment.

## **Conclusions**

This study provides detailed insights into how respondents' organizations have adopted Google's Gemini and integrated its use within their business processes. Specifically, the use of Gemini has been applied to data entry, email filtering, and other routine tasks. Gemini automates these mundane tasks, significantly reducing the level of effort required from employees. This shift allows employees to focus on more strategic and value-added activities, which enhances operational efficiency and precision. To establish the relationship between using Gemini and job satisfaction in the workplace, in-depth interviews with participants who had direct experience with Gemini were conducted. The interviews focused on understanding how the automation of routine tasks by Gemini impacted participants' workload, stress levels, and overall job satisfaction. Content analysis of these interviews revealed that the reduction in mundane tasks led to a more positive work experience, allowing employees to engage in more fulfilling and intellectually stimulating activities. This shift in job responsibilities contributed to an increase in job satisfaction among employees. Through these methods, the study provides clear evidence of the impact of Google's Gemini on both business processes and employee satisfaction, demonstrating the tool's effectiveness in enhancing workplace dynamics.

The implementation of Gemini in organizations significantly affected workplace dynamics across three main areas: employee interactions, daily operational tasks, and overall job satisfaction. Gemini streamlines communication by automating routine tasks, allowing employees to focus on more substantive and collaborative work. However, this reliance on digital communication might reduce personal interactions, potentially affecting team cohesion. In operational tasks, Gemini's automation improves efficiency and accuracy but necessitates shifts in employee skill sets, prompting organizations to invest in training programs. For job satisfaction, while Gemini reduces workloads and stress by handling mundane tasks, concerns about job displacement and the need for new competencies arise. Overall, the integration of Gemini offers considerable benefits in productivity and morale, but requires careful management to balance technology's advantages with maintaining essential human elements of the workplace.

Integration of Gemini into organizational processes presents significant academic and practical implications, enriching both theoretical understanding and operational workplace strategies. Academically, Gemini provides a fresh perspective on communication dynamics, offering a platform to test and expand communication theories across diverse and geographically dispersed teams. It also serves as a pivotal case study for operations management, exploring the interplay between automation and human activity, and shedding light on AI's psychological impacts on job satisfaction

and organizational behavior. Practically, adoption of Gemini necessitates development of innovative human resource strategies focused on continuous learning and adaptability, highlighting the importance of strategic change management so that technological integration is aligned with both business and employee needs. Furthermore, Gemini transforms leadership and team management practices by promoting inclusivity and redefining collaboration in a technologically advanced setting. These contributions underscore Gemini's role in enhancing operational productivity, fostering workplace inclusivity, and stimulating innovative work practices, ultimately steering organizations towards a more flexible and adaptive approach to work in an AI-enhanced environment.

### Limitations and Recommendations for Future Studies

The study has several limitations that suggest areas for improvement in future research. Firstly, the small sample size of eight participants limits the generalizability of findings. Future studies should include a larger and more diverse group of participants to enhance data robustness. Secondly, the reliance on qualitative methods and a focus solely on Bangkok did not capture the full spectrum of potential impacts across different cultural and organizational contexts. Incorporating quantitative methods and expanding the geographic scope could provide a more comprehensive understanding of Gemini's effects. Additionally, the subjective nature of qualitative analysis might introduce biases, which could be mitigated by using a mixed-methods approach to balance qualitative insights with quantitative data. Furthermore, while the study provides empirical insights, some findings may be seen as generally known facts. Future research should aim to delve deeper into the specific and nuanced impacts of AI technologies like Gemini. This includes investigating less obvious effects and providing more granular insights that contribute significantly to the body of knowledge on AI in the workplace.

Another limitation of this study is the lack of a clearly specified method for assessing job satisfaction. While the study evaluated job satisfaction based on factors such as the reduction in workloads and stress due to automation of routine tasks, opportunities for engaging in more meaningful activities, and overall improvements in workplace morale and engagement, these criteria were not explicitly detailed in the original discussion. Future studies should clearly define and standardize the criteria for assessing job satisfaction to ensure consistency and comparability of results. Additionally, future research should include a broader range of job roles and industries to obtain a more comprehensive understanding of how AI tools like Gemini impact job satisfaction across different contexts. Furthermore, longitudinal studies could provide deeper insights into the long-term effects of AI integration on job satisfaction and workplace dynamics.

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