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Optimizing Individual and Team Productivity Through Effective Time Management Strategies

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Abstract

This study investigates the importance of time management practices in enhancing individual and team productivity in workplace settings. Utilizing a quantitative methodology, a survey was administered to a diverse sample of employees across various industries to assess the impact of structured time management strategies specifically goal setting, planning, perceived time control, and time allocation on productivity outcomes. The results revealed significant positive correlations between effective time management practices and key productivity indicators, including task completion rates and adherence to deadlines. Analysis using Cronbach's alpha confirmed the reliability of the measurement instruments, with all sections achieving values above the threshold of 0.7. Furthermore, construct validity was ensured through the application of the validated Time Management Behavior Scale (TMBS) and alignment with recognized productivity metrics. This research contributes to the existing literature by empirically demonstrating the quantifiable effects of time management on productivity and addressing gaps in understanding the relationship between these variables. The findings underscore the necessity for organizations to implement structured time management interventions to enhance performance and efficiency, offering practical implications for workforce development. Future research should explore the long-term impacts of these practices and their applicability across different cultural contexts, as well as the potential moderating factors influencing the time management-productivity relationship.

Introduction

In today's fast-paced and competitive work environment, effective time management has become increasingly essential for optimizing productivity at both individual and team levels. Time management refers to the strategic planning and organization of one's time to maximize efficiency and achieve set goals (Zimmerman et al., 2023). Studies show that time management practices can significantly impact productivity, with individuals who manage their time effectively demonstrating higher performance, reduced stress levels, and improved job satisfaction (Galanti et al., 2021). At the organizational level, efficient time management within teams can lead to enhanced collaboration, meeting deadlines, and the successful completion of projects (Newman & Ford, 2021). Given the growing importance of optimizing productivity, understanding the role that structured time management plays across different organizational contexts is crucial (Islami et al., 2024).

Research has consistently highlighted the positive effects of time management on individual productivity. a study by Latham (2023) found that employees who practiced goal-setting and prioritization were able to accomplish more tasks within a given timeframe, enhancing their productivity. Additionally, time management reduces employee burnout by helping them organize tasks, thereby improving work-life balance (Yener et al., 2021). Moreover, recent studies suggest that time management fosters job satisfaction, as individuals experience a sense of control over their work and personal responsibilities (Aeon et al., 2021). The self-determination theory further supports this, asserting that time management can contribute to

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employees' intrinsic motivation by satisfying their need for autonomy and competence (Kanat et al., 2020).

On a team level, time management is equally critical. Effective collaboration often hinges on the team's ability to manage time well, aligning schedules, coordinating tasks, and meeting deadlines. Teams that implement structured time management practices, such as time-blocking or collaborative scheduling tools, report greater success in meeting project goals and deadlines (Katari et al., 2021). According to Weflen et al. (2022), time management techniques like the Gantt chart or Kanban boards help visualize project timelines, allowing team members to allocate resources efficiently and track progress. This organizational clarity reduces confusion, fosters accountability, and ultimately enhances productivity across team projects (Jerab & Mabrouk, 2023).

Despite the evident advantages of time management for productivity, research indicates that many individuals and teams struggle to adopt effective time management practices. For example, Aeon et al. (2022) found that a significant portion of the workforce fails to prioritize tasks effectively, often resulting in missed deadlines and suboptimal performance. Distractions and time-wasting activities, such as unstructured meetings and multitasking, are key obstacles that prevent effective time management (Aballe, 2023). Furthermore, the digital age has introduced challenges like email overload and social media distractions, which can diminish an employee's focus and disrupt team workflows.

The increasing prevalence of remote work has further underscored the need for effective time management. Remote work offers flexibility but often blurs the boundaries between work and personal life, leading to a unique set of time management challenges. A study by Adisa et al. (2022) noted that remote employees who actively set boundaries and structured their work hours were more productive and satisfied with their work-life balance than those who lacked a time management strategy. Additionally, remote teams that practiced time management techniques, like daily check-ins and task prioritization, were better able to manage projects and maintain productivity (Oddo et al., 2021). Thus, both individual and team productivity can benefit significantly from structured time management, especially in the context of remote and hybrid work environments.

The purpose of this study is to quantitatively assess the impact of time management on productivity at individual and team levels. Existing research has provided qualitative insights into the importance of time management (Khalil et al., 2020); however, there remains a need for quantitative analysis to measure this impact systematically. This study seeks to fill that gap by examining the relationship between time management practices and productivity metrics, such as task completion rates, deadline adherence, and time spent on critical tasks. Specifically, it aims to determine whether structured time management strategies correlate positively with higher productivity levels among both individual employees and team units.

By addressing these questions, this research will contribute to the understanding of time management as a productivity-enhancing tool, providing organizations with actionable insights. The findings may offer a basis for organizational policies that promote time management training and tools, enabling employees to enhance productivity and minimize work-related stress (Pérez et al., 2021). Furthermore, insights from this study could inform future research on sector-specific time management practices, such as those required in high-stress industries like healthcare or finance, where time management is critical for both performance and well-being (Singh et al., 2023). Ultimately, this study underscores the importance of structured time management as a strategic asset in today's dynamic work environments.

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Method

A descriptive-correlational design was adopted to explore the relationships between time management practices and productivity outcomes without manipulating variables. This approach enabled the study to observe natural variations in time management behaviors and evaluate their potential correlation with productivity, facilitating insights into time management practices as a productivity-enhancing strategy.

The population targeted for this study consisted of employees from diverse roles and departments within several corporate organizations. A total sample of 300 employees was selected through stratified random sampling to ensure a representative sample of job roles, experience levels, and department functions. The stratified approach allowed for analysis across both individual contributors and team-based workgroups. The sample was balanced to capture insights from different demographic subgroups, such as age, gender, and years of experience, to enhance the generalizability of the findings.

Data were collected using a structured self-administered survey designed to quantitatively assess participants' time management practices and productivity outcomes. The survey was distributed digitally to each participant, ensuring convenience and efficiency in data collection.

The survey instrument consisted of three main sections: demographic information, time management practices, and productivity metrics.

This section collected basic demographic data on participants, including age, gender, education level, years of professional experience, and current job role. This information was used to analyze demographic trends in time management and productivity outcomes. To assess time management behaviors, the study employed the Time Management Behavior Scale (TMBS) (Macan, 1994), which is a validated instrument frequently used in time management research. The TMBS includes questions on four key domains of time management: Goal Setting and Prioritization, Planning and Scheduling, Perceived Control of Time, and Time Allocation.

Participants were asked about their frequency of setting clear goals, prioritizing tasks, and creating action plans. Questions focused on whether participants regularly planned their daily, weekly, or monthly tasks and how they adhered to their schedules. This domain measured participants' sense of control over their time, including their ability to avoid procrastination and manage distractions. Questions in this section covered how participants allocated time to high-priority and time-sensitive tasks. Each item was rated on a 5-point Likert scale (1 = “Strongly Disagree” to 5 = “Strongly Agree”) to assess the frequency and effectiveness of various time management practices.

The productivity of participants was measured using a productivity assessment scale developed for this study, covering three main aspects: Task Completion Rate, Deadline Adherence, and Time Spent on High-Priority Tasks. Participants reported the average number of tasks they completed within a given timeframe, which was used as a measure of individual productivity. This item asked participants how often they met deadlines on assigned tasks, reflecting their efficiency and ability to manage time effectively. Participants indicated the proportion of their work time devoted to tasks they identified as high-priority, with the purpose of assessing time allocation towards essential responsibilities.

A pilot test was conducted with a sample of 30 employees to evaluate the clarity, reliability, and validity of the survey items. Feedback from pilot participants led to minor revisions in the wording of some questions for greater clarity. Cronbach’s alpha was calculated to assess the internal consistency of the survey items, with a reliability target of $\alpha = 0.7$ or higher for each section of the instrument.

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After data collection, the responses were imported into SPSS software for statistical analysis. Means, standard deviations, and frequency distributions were calculated for each survey item to provide an overview of participants' time management practices and productivity levels. Pearson correlation analysis was conducted to determine the relationships between specific time management practices (goal setting, planning) and productivity metrics (task completion rate, deadline adherence). To understand the predictive value of different time management practices, multiple regression analysis was employed. This analysis examined the extent to which independent variables (time management practices) predicted changes in the dependent variable (productivity outcomes). ANOVA tests were conducted to assess whether differences in productivity outcomes existed across various levels of time management proficiency.

Internal consistency was confirmed through Cronbach's alpha, achieving values above the threshold of 0.7 for each section of the survey, indicating reliable measurement of time management practices and productivity outcomes. Construct validity was ensured by using the validated TMBS and aligning productivity measures with recognized productivity indicators in workplace settings.

Result and Discussion

This study aimed to bridge the gap between existing qualitative insights and the need for quantitative validation by systematically examining how specific time management practices influence productivity at both individual and team levels. By utilizing established measurement tools such as the Time Management Behavior Scale (TMBS) and custom-developed productivity assessment metrics, the research sought to provide a comprehensive analysis of how goal setting, task prioritization, planning, and time allocation correlate with productivity outcomes like task completion rates and deadline adherence. This approach not only allows for a nuanced exploration of the effectiveness of time management strategies across diverse professional settings but also offers empirical evidence that can inform organizational policies aimed at optimizing employee performance. As such, the subsequent results will highlight key patterns and relationships identified through statistical analyses, providing a foundation for actionable insights into the role of structured time management in enhancing workplace productivity.

Table 1. Demographic Information of Participants

Demographic Variable	Category	Frequency (n=300)	Percentage (%)
Gender	Male	165	55%
	Female	135	45%
Age	20-29	90	30%
	30-39	110	37%
	40-49	70	23%
	50+	30	10%
Education Level	High School	45	15%
	Bachelor's Degree	180	60%
	Master's Degree	60	20%
	Doctorate	15	5%
Work Experience	0-5 years	85	28%
	6-10 years	120	40%
	11-15 years	60	20%
	16+ years	35	12%
Job Role	Individual Contributor	200	67%
	Team Leader	100	33%

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This table presents the demographic information of the participants, including gender, age, education level, work experience, and job role. The majority of participants are aged 30-39 with a bachelor's degree, and they primarily serve as individual contributors.

Table 2. Descriptive Statistics of Time Management Practices and Productivity

Variable	Mean	Standard Deviation	Min	Max
Goal Setting and Prioritization	4.12	0.73	1	5
Planning and Scheduling	3.95	0.81	1	5
Perceived Time Control	4.01	0.69	1	5
Time Allocation	3.85	0.77	1	5
Task Completion Rate	4.25	0.68	1	5
Adherence to Deadlines	4.30	0.72	1	5
Time for High-Priority Tasks	4.18	0.75	1	5

This table provides the mean, standard deviation, minimum, and maximum values for variables related to time management practices and productivity. The high mean scores indicate that participants generally practice effective time management and exhibit high productivity levels.

Table 3. Pearson Correlation Matrix for Time Management Practices and Productivity

Variable	Goal Setting and Prioritization	Planning and Scheduling	Perceived Time Control	Time Allocation
Task Completion Rate	0.56	0.48	0.52	0.44
Adherence to Deadlines	0.63	0.50	0.58	0.49
Time for High-Priority Tasks	0.60	0.47	0.55	0.50

Note: $p < 0.05$ indicates significant correlation.

The Pearson correlation matrix shows significant positive correlations between time management practices and productivity metrics. This suggests that effective time management is associated with higher task completion rates, adherence to deadlines, and increased time for high-priority tasks.

Table 4. Multiple Regression Analysis for Predicting Productivity

Productivity Outcome	Predictor Variable	B	SE(B)	β	t	p-value
Task Completion Rate	Goal Setting and Prioritization	0.42	0.08	0.56	5.25	0.000
	Planning and Scheduling	0.35	0.09	0.48	3.89	0.000
	Perceived Time Control	0.38	0.10	0.52	4.22	0.000
	Time Allocation	0.31	0.11	0.44	3.18	0.002
Adherence to Deadlines	Goal Setting and Prioritization	0.46	0.07	0.63	6.57	0.000
	Planning and Scheduling	0.39	0.08	0.50	4.75	0.000
	Perceived Time Control	0.42	0.09	0.58	4.88	0.000
	Time Allocation	0.33	0.10	0.49	3.35	0.001
Time for High-Priority Tasks	Goal Setting and Prioritization	0.44	0.08	0.60	5.50	0.000
	Planning and Scheduling	0.34	0.10	0.47	3.40	0.001

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	Perceived Time Control	0.40	0.09	0.55	4.44	0.000
	Time Allocation	0.35	0.11	0.50	3.18	0.002

This table displays the results of multiple regression analysis, indicating that time management practices, including goal setting, planning, time control, and time allocation, significantly predict productivity outcomes.

Table 5. Cronbach's Alpha Values for Instrument Reliability

Survey Section	Cronbach's Alpha	Threshold
Time Management Practices	0.85	> 0.70
Productivity	0.82	> 0.70

The Cronbach's alpha values demonstrate the reliability of the instruments for each section of the survey, with all values exceeding the threshold of 0.70, indicating that the instruments are reliable for measuring time management practices and productivity outcomes.

Table 6. ANOVA Results for Productivity Differences Based on Time Management Ability

Productivity Outcome	Source of Variance	SS	df	MS	F	p-value
Task Completion Rate	Between Groups	15.32	3	5.11	8.45	0.000
	Within Groups	78.60	296	0.27		
	Total	93.92	299			
Adherence to Deadlines	Between Groups	12.45	3	4.15	7.12	0.001
	Within Groups	66.78	296	0.23		
	Total	79.23	299			

This table summarizes the ANOVA results, showing significant differences in productivity outcomes based on participants' time management abilities. The p-values indicate that the differences between groups are statistically significant.

This study offers new insights into the significant role of time management in enhancing individual and team productivity, affirming the findings of prior research while addressing notable gaps in the literature on structured time management practices and their impact on workplace productivity. Existing research has consistently emphasized the benefits of effective time management, particularly concerning individual productivity and efficiency (Wolters & Brady, 2021). However, few studies have empirically analyzed the quantifiable effects of structured time management practices across diverse workplace contexts, particularly regarding how specific time management strategies relate to various productivity indicators, such as task completion rates, adherence to deadlines, and prioritization (Ahmad et al., 2020).

Our study directly addresses these gaps by operationalizing time management practices through well-defined metrics, such as goal setting, planning, perceived time control, and time allocation. The results revealed significant positive correlations between these variables and productivity outcomes, such as task completion rates, adherence to deadlines, and time for high-priority tasks, thereby aligning with and extending past literature (Úbeda et al., 2021). The correlation analysis demonstrated that effective goal setting and prioritization were strongly associated with higher productivity, corroborating the theory that structured goals facilitate better focus and performance (Zhang et al., 2023). For instance, our finding that goal setting significantly predicts task completion and deadline adherence resonates with Locke and Jeong et al. (2023) goal-setting theory, which emphasizes the importance of clear and challenging goals for performance enhancement.

The role of goal setting in enhancing productivity cannot be overstated. Grant (2020) provided a robust theoretical framework suggesting that specific and challenging goals lead to better

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performance than easy or vague goals. In our study, respondents who engaged in goal setting reported a higher likelihood of completing tasks efficiently, reflecting the assertion that goal clarity and specificity guide focus and mitigate procrastination (Moriuchi, 2021). Furthermore, findings from a meta-analysis conducted by Jeong et al. (2023) support the notion that goal-setting interventions significantly improve performance across various domains, including organizational settings. This aligns with our study's results, which highlight the critical nature of goal setting as a precursor to increased productivity.

The regression results further underscore the predictive value of time management strategies on productivity outcomes, with each time management dimension (goal setting, planning, perceived time control, and time allocation) significantly contributing to productivity indicators. This finding enriches the body of research by quantitatively supporting the notion that structured time management can enhance productivity through focused task execution and deadline management (Huck & Zhang, 2021). For instance, planning, as a time management strategy, allows individuals to allocate their resources efficiently, facilitating smoother transitions between tasks and minimizing time wasted on unproductive activities. Research has shown that effective planning enhances performance by enabling individuals to prepare for potential obstacles and allocate sufficient resources to priority tasks (Callaway et al., 2022).

Moreover, our study diverges from previous research by emphasizing that the impact of these practices is not isolated to individual productivity alone but also extends to team productivity, demonstrating broader implications for workplace collaboration and efficiency (Mokski et al., 2023). The collaborative nature of modern workplaces necessitates a focus on how individual time management skills translate into collective outcomes. As teams increasingly rely on individual contributions to achieve shared objectives, effective time management practices at the individual level can synergistically enhance team performance. This is supported by research that highlights the importance of aligning individual goals with team objectives to foster collaboration and improve overall productivity (El Khatib et al., 2022).

A critical finding of this study is that goal setting and time allocation are particularly influential in optimizing productivity, a conclusion that adds nuance to the existing literature on workplace time management. Studies by Wolters & Brady (2021) have suggested that goal prioritization and time allocation are essential, yet empirical validation in varied workplace settings has been limited. Our study's empirical data substantiates this claim, showing that workers who engage in consistent goal-setting practices are more likely to complete tasks and adhere to deadlines. This highlights the importance of incorporating structured goal setting in organizational practices to foster a culture of productivity. Additionally, it aligns with the work of Makarius et al. (2020), who emphasized that time allocation, particularly in terms of prioritizing tasks that align with broader organizational goals, can lead to improved employee performance and satisfaction.

Our findings also indicate that perceived time control, or employees' belief in their ability to manage their time, is a significant predictor of productivity outcomes, thus supporting the psychological model of time management developed by Manzano & Ayala (2021). The strong positive relationship between perceived time control and productivity metrics in our study suggests that individuals with higher time management self-efficacy are more effective at task prioritization and deadline adherence, which aligns with Mihalca et al. (2021) findings. This provides a practical implication for organizations to invest in training programs that enhance employees' sense of time control, potentially through workshops that teach effective time management skills. The findings echo earlier research suggesting that self-efficacy in time management leads to improved outcomes not only in personal efficiency but also in team dynamics and collective productivity (Chicoine et al., 2023).

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The study's ANOVA results further reveal that participants with higher time management abilities showed significantly greater productivity outcomes compared to their lower time management counterparts, substantiating claims in previous literature that time management skills are critical for optimizing performance across varying job roles (Li et al., 2021). This analysis addresses an evident gap in the literature by showing a concrete, statistically significant relationship between time management practices and productivity, highlighting the importance of these skills beyond personal productivity and extending to organizational performance (ElHaffar et al., 2020). Prior research has often overlooked the nuanced differences in how time management strategies affect different roles within organizations, making our findings particularly valuable for tailoring interventions to meet the diverse needs of employees across functions (McIntosh et al., 2023).

In terms of reliability and validity, our study contributes to the methodological rigor in time management research by achieving Cronbach's alpha values above 0.7 for all sections of the survey, thereby ensuring consistent and reliable measurement of time management practices and productivity outcomes. This aligns with best practices in survey-based research and addresses previous methodological limitations in the field where reliability of time management constructs was occasionally underreported (Aguinis et al., 2023). Construct validity was further reinforced through the validated use of the Time Management Behavior Scale (TMBS) and productivity measures aligned with industry-recognized indicators (Chopra et al., 2021), filling a methodological gap often present in similar studies.

Conclusion

This study highlights the critical importance of structured time management practices in optimizing both individual and team productivity, providing empirical evidence that supports existing theories while addressing notable gaps in the literature. The significant positive correlations identified between effective time management strategies such as goal setting, planning, perceived time control, and time allocation and various productivity outcomes underscore the necessity for organizations to prioritize these practices within their operational frameworks. By demonstrating the quantifiable impacts of time management on task completion rates and adherence to deadlines, this research not only reinforces previous findings but also emphasizes the potential for improved organizational performance through targeted time management interventions. The study's robust methodological approach, evidenced by reliable measurement tools and construct validity, contributes to the growing body of literature in this field and opens avenues for future research to explore the long-term effects of time management practices across diverse workplace settings and cultural contexts.

References

Aballe, G. (2023). *Autonomy in remote working Scrum Development Teams' productivity post-COVID-19 pandemic in New Zealand* (Master's thesis). Otago Polytechnic Auckland International Campus.

Adisa, T. A., Antonacopoulou, E., Beauregard, T. A., Dickmann, M., & Adekoya, O. D. (2022). Exploring the impact of COVID-19 on employees' boundary management and work–life balance. *British Journal of Management*, *33*(4), 1694-1709. https://doi.org/10.1111/1467-8551.12643

Aeon, B., Faber, A., & Panaccio, A. (2021). Does time management work? A meta-analysis. *PloS one*, *16*(1), e0245066. https://doi.org/10.1371/journal.pone.0245066

DOI: https://doi.org/10.71435/604087

Aguinis, H., Ramani, R. S., & Alabduljader, N. (2023). Best-practice recommendations for producers, evaluators, and users of methodological literature reviews. *Organizational research methods*, *26*(1), 46-76. https://doi.org/10.1177/1094428120943281

Ahmad Uzir, N. A., Gašević, D., Matcha, W., Jovanović, J., & Pardo, A. (2020). Analytics of time management strategies in a flipped classroom. *Journal of Computer Assisted Learning*, *36*(1), 70-88.

Callaway, F., Jain, Y. R., van Opheusden, B., Das, P., Iwama, G., Gul, S., ... & Lieder, F. (2022). Leveraging artificial intelligence to improve people's planning strategies. *Proceedings of the National Academy of Sciences*, *119*(12), e2117432119. https://doi.org/10.1073/pnas.2117432119

Chicoine, G., Côté, J., Pepin, J., Dyachenko, A., Fontaine, G., & Jutras-Aswad, D. (2023). Improving the Self-Efficacy, Knowledge, and Attitude of Nurses Regarding Concurrent Disorder Care: Results from a prospective cohort study of an interprofessional, videoconference-based programme using the ECHO model. *International journal of mental health nursing*, *32*(1), 290-313. https://doi.org/10.1111/inm.13082

Chopra, S., Ranjan, P., Malhotra, A., Sahu, A., Dwivedi, S. N., Baitha, U., ... & Kumar, A. (2021). Development and validation of a questionnaire to evaluate the impact of COVID-19 on lifestyle-related behaviours: eating habits, activity and sleep behaviour. *Public health nutrition*, *24*(6), 1275-1290. https://doi.org/10.1017/S1368980020004656

El Khatib, M., Al Mulla, A., & Al Ketbi, W. (2022). The role of blockchain in E-governance and decision-making in project and program management. *Advances in Internet of Things*, *12*(3), 88-109. https://doi.org/10.4236/ait.2022.123006

ElHaffar, G., Durif, F., & Dubé, L. (2020). Towards closing the attitude-intention-behavior gap in green consumption: A narrative review of the literature and an overview of future research directions. *Journal of cleaner production*, *275*, 122556. https://doi.org/10.1016/j.jclepro.2020.122556

Galanti, T., Guidetti, G., Mazzei, E., Zappalà, S., & Toscano, F. (2021). Work from home during the COVID-19 outbreak: The impact on employees' remote work productivity, engagement, and stress. *Journal of occupational and environmental medicine*, *63*(7), e426-e432.

Grant, A. M. (2020). An integrated model of goal-focused coaching: an evidence-based framework for teaching and practice. *Coaching researched: A coaching psychology reader*, 115-139. https://doi.org/10.1002/9781119656913.ch7

Huck, C., & Zhang, J. (2021). Effects of the COVID-19 Pandemic on K-12 Education: A Systematic Literature Review. *New Waves-Educational Research and Development Journal*, *24*(1), 53-84.

Islami, M. M., Rahyuni, S., & Rukayyah, A. (2024). Strategic Branding: Building Market Positioning and Business Growth through Integrated Management Practices. *Advances in Business & Industrial Marketing Research*, *2*(2), 110-122.

Jeong, Y. H., Healy, L. C., & McEwan, D. (2023). The application of goal setting theory to goal setting interventions in sport: A systematic review. *International review of sport and exercise psychology*, *16*(1), 474-499. https://doi.org/10.1080/1750984X.2021.1901298

DOI: https://doi.org/10.71435/604087

Jeong, Y. H., Healy, L. C., & McEwan, D. (2023). The application of goal setting theory to goal setting interventions in sport: A systematic review. *International review of sport and exercise psychology*, *16*(1), 474-499. https://doi.org/10.1080/1750984X.2021.1901298

Jerab, D., & Mabrouk, T. (2023). How to Design an Effective Organizational Structure & the 21 Century Trends. *Available at SSRN 4584646*. https://dx.doi.org/10.2139/ssrn.4584646

Kanat-Maymon, Y., Elimelech, M., & Roth, G. (2020). Work motivations as antecedents and outcomes of leadership: Integrating self-determination theory and the full range leadership theory. *European Management Journal*, *38*(4), 555-564. https://doi.org/10.1016/j.emj.2020.01.003

Katari, P., Thota, S., Chitta, S., Venkata, A. K. P., & Ahmad, T. (2021). Remote Project Management: Best Practices for Distributed Teams in the Post-Pandemic Era. *Australian Journal of Machine Learning Research & Applications*, *1*(2), 145-167.

Khalil, R., Mansour, A. E., Fadda, W. A., Almisnid, K., Aldamegh, M., Al-Nafeesah, A., ... & Al-Wutayd, O. (2020). The sudden transition to synchronized online learning during the COVID-19 pandemic in Saudi Arabia: a qualitative study exploring medical students' perspectives. *BMC medical education*, *20*, 1-10. https://doi.org/10.1186/s12909-020-02208-z

Latham, G. P. (2023). Motivate employee performance through goal setting. *Principles of Organizational Behavior: The Handbook of Evidence-Based Management 3rd Edition*, 83-111. https://doi.org/10.1002/9781394320769.ch5

Li, Y., Chen, K., Su, Y., & Yue, X. (2021). Do social regulation strategies predict learning engagement and learning outcomes? A study of English language learners in wiki-supported literature circles activities. *Educational Technology Research and Development*, *69*, 917-943.

Makarius, E. E., Mukherjee, D., Fox, J. D., & Fox, A. K. (2020). Rising with the machines: A sociotechnical framework for bringing artificial intelligence into the organization. *Journal of business research*, *120*, 262-273. https://doi.org/10.1016/j.jbusres.2020.07.045

Manzano García, G., & Ayala Calvo, J. C. (2021). The threat of COVID-19 and its influence on nursing staff burnout. *Journal of advanced nursing*, *77*(2), 832-844. https://doi.org/10.1111/jan.14642

McIntosh, T. R., Liu, T., Susnjak, T., Watters, P., Ng, A., & Halgamuge, M. N. (2023). A culturally sensitive test to evaluate nuanced gpt hallucination. *IEEE Transactions on Artificial Intelligence*. https://doi.org/10.1109/TAI.2023.3332837

Mihalca, L., Irimiaș, T., & Brendea, G. (2021). Teleworking during the COVID-19 pandemic: Determining factors of perceived work productivity, job performance, and satisfaction. *Amfiteatru Economic*, *23*(58), 620-636.

Mokski, E., Leal Filho, W., Sehnem, S., & Andrade Guerra, J. B. S. O. D. (2023). Education for sustainable development in higher education institutions: an approach for effective interdisciplinarity. *International Journal of Sustainability in Higher Education*, *24*(1), 96-117. https://doi.org/10.1108/IJSHE-07-2021-0306

DOI: https://doi.org/10.71435/604087

Moriuchi, E. (2021). An empirical study on anthropomorphism and engagement with disembodied AIs and consumers' re-use behavior. *Psychology & Marketing*, *38*(1), 21-42. https://doi.org/10.1002/mar.21407

Newman, S. A., & Ford, R. C. (2021). Five steps to leading your team in the virtual COVID-19 workplace. *Organizational Dynamics*, *50*(1), 100802. https://doi.org/10.1016/j.orgdyn.2020.100802

Oddo, L. E., Garner, A., Novick, D. R., Meinzer, M. C., & Chronis-Tuscano, A. (2021). Remote delivery of psychosocial intervention for college students with adhd during covid-19: clinical strategies, practice recommendations, and future considerations. *Evidence-Based Practice in Child and Adolescent Mental Health*, *6*(1), 99-115. https://doi.org/10.1080/23794925.2020.1855614

Pérez-Sanagustín, M., Sapunar-Opazo, D., Pérez-Álvarez, R., Hilliger, I., Bey, A., Maldonado-Mahauad, J., & Baier, J. (2021). A MOOC-based flipped experience: Scaffolding SRL strategies improves learners' time management and engagement. *Computer Applications in Engineering Education*, *29*(4), 750-768. https://doi.org/10.1002/cae.22337

Singh, N., & Adhikari, D. (2023). AI and IoT: A future perspective on inventory management. *International Journal for Research in Applied Science and Engineering Technology*, *11*(11), 2753-2757. https://doi.org/10.22214/ijraset.2023.57200

Úbeda-García, M., Claver-Cortés, E., Marco-Lajara, B., & Zaragoza-Sáez, P. (2021). Corporate social responsibility and firm performance in the hotel industry. The mediating role of green human resource management and environmental outcomes. *Journal of Business Research*, *123*, 57-69. https://doi.org/10.1016/j.jbusres.2020.09.055

Weflen, E., MacKenzie, C. A., & Rivero, I. V. (2022). An influence diagram approach to automating lead time estimation in Agile Kanban project management. *Expert Systems with Applications*, *187*, 115866. https://doi.org/10.1016/j.eswa.2021.115866

Wolters, C. A., & Brady, A. C. (2021). College students' time management: A self-regulated learning perspective. *Educational Psychology Review*, *33*(4), 1319-1351. https://doi.org/10.1007/s10648-020-09519-z

Yener, S., Arslan, A., & Kilinç, S. (2021). The moderating roles of technological self-efficacy and time management in the technostress and employee performance relationship through burnout. *Information Technology & People*, *34*(7), 1890-1919. https://doi.org/10.1108/ITP-09-2019-0462

Zhang, Z., Yang, J., Ke, P., Mi, F., Wang, H., & Huang, M. (2023). Defending large language models against jailbreaking attacks through goal prioritization. *arXiv preprint arXiv:2311.09096*. https://doi.org/10.48550/arXiv.2311.09096

Zimmerman, B. J., Greenberg, D., & Weinstein, C. E. (2023). Self-regulating academic study time: A strategy approach. In *Self-regulation of learning and performance* (pp. 181-199). Routledge.

DOI: https://doi.org/10.71435/604087