

SUSTAINABLE WORK-LIFE INTEGRATION POST-PANDEMIC: COPING AND RESILIENCE STRATEGIES IMPACTING JOB PERFORMANCE.

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KEYWORDS **ABSTRACT**

Covid-19,
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Performance

The COVID-19 pandemic highlighted major challenges in balancing work and family responsibilities, stressing the importance for business to embrace and apply strong coping and resilience measures. The purpose of this study is to examine how IT employers can boost job performance and support work-family equilibrium in the post-pandemic context, while improving employee well-being and productivity. This study seeks ways to build resilience through coping strategies and organizational support by using both qualitative interviews and quantitative surveys with IT workers. The initial results indicate that clear communication, employee support programs, and flexible work options is required for solving work-family problems and boosting job performance. To improve resilience and productivity, the study suggests that employers focus on offering flexible work arrangements, mental health support, and fostering a positive work culture.

Introduction

Standard work patterns received a major disrupt during the COVID-19 pandemic. which has created a major havoc to the supply chain across the global especially in IT Industry. The entire dynamics of the work culture has significantly changed. Due to the logistical, technological, and psychological challenges produced by the quick transition to remote work, work routines and interpersonal dynamics have changed. As a result of this, Job demands have increased drastically putting forth the work-life balance. To overcome these challenges, coping strategies and resilience techniques were created by IT employees to manage a balance between the demands of remote work and personal commitments. These strategies can help in reducing stress, preventing burnout and other health concerns and at the same time enhance the performance at the workplace and the overall health of the organization.

Hence it is necessary to come up with effective strategies to manage the effects of the pandemic on remote work and increasing employee expectations. This study aims at understanding how IT professionals deal with the challenges that are associated with the pandemic by dissecting the relationship between these variables. This can assist organizations to come up with measures that

can enhance the well-being of employees and at the same time boost their productivity. In order to ensure that the businesses are able to operate effectively it is important that the organizations adapt and develop strategies that will enhance the resilience of individuals while at the same time ensuring that healthy coping mechanisms are well catered for. This is especially important in a workplace setting when one has to manage work duties and at the same time attend to his or her personal requirements including caring for family, managing finance, and maintaining good health.

The following research is therefore designed to explore the response of IT employees to the effects of COVID-19 pandemic. Therefore, it has become crucial for the IT employees to change the work environment to meet the current challenges. The objective of this study is to assess how the IT employees are coping with the changes brought about by the COVID-19 pandemic. This is crucial for the IT employees as it will enable them to comprehend these strategies that can be used to minimize the negative effects on the productivity and wellbeing. Not only for IT employees, but the study also provides useful information for the organization for developing strategies and policies that can improve the health of IT employees and increase their productivity. It also helps develop better support system and care for IT employees by understanding how they cope up with the challenges. The ultimate aim is to increase job performance in the changing IT world, promote resilience, and enhance well-being.

The objectives of this study are:

- (1) To examine the existence and severity of work-family conflicts during the pandemic.
- (2) To identify the causes of these conflicts.
- (3) To investigate how work-family conflicts affect employees job performance.
- (4) To examine how individual and situational factors influence the relationship between work-family conflict and job performance.
- (5) To provide suggestions for employers and policymakers on how to reduce work-family conflicts and improve employees' well-being and job performance.

By combining both qualitative and quantitative methodologies, the study focuses on developing targeted solutions that build resilience and improve job performance. The study also focuses on analyzing strategies and challenges to provide real-time solutions for managing post-pandemic challenges.

Literature Review

Work-Family Conflict During the COVID-19 Pandemic

The COVID-19 pandemic disrupted traditional work patterns, leading to increased work-family conflict as employees navigated blurred boundaries between professional and personal responsibilities. Remote work, while ensuring business continuity, created challenges such as extended work hours, constant connectivity, and overlapping role demands (Shockley et al., 2021). These issues were particularly acute in the IT industry, where employees faced intensified client expectations, technological barriers, and increased workloads (Wang et al., 2020). Research has highlighted the widespread prevalence of work-family conflict during this period but remains limited in exploring its industry-specific manifestations, especially in IT professionals.

Impact of Work-Family Conflict on Job Performance

Work-family conflict has been well-documented as a predictor of reduced job performance due to stress and resource depletion (Greenhaus & Beutell, 1985). During the pandemic, this relationship became more pronounced as employees struggled to balance caregiving responsibilities, household demands, and professional obligations (Allen et al., 2000). Job performance suffered as a result of cognitive overload and emotional exhaustion. Although prior studies have examined this dynamic in general populations, there is a gap in understanding how IT professionals, a critical workforce during the pandemic, were uniquely impacted.

Resilience and Coping Strategies

Resilience and coping strategies are pivotal in mitigating the adverse effects of work-family conflict. Resilience enables individuals to adapt positively to stress, thereby reducing its impact on well-being and job performance (Luthans et al., 2006). Coping strategies such as time management, boundary-setting, and prioritization have been shown to alleviate role conflict and promote work-life balance (Kossek et al., 2011). Despite the growing body of research on resilience and coping, there is limited exploration of how IT professionals utilized these mechanisms to address pandemic-induced challenges.

Role of Organizational Support

Organizations play a crucial role in mitigating work-family conflict through supportive practices such as flexible work arrangements, mental health resources, and enhanced communication (Allen et al., 2013). During the pandemic, organizations that adapted to employees' evolving needs, such as offering remote work resources and family-friendly policies, reported higher levels of employee satisfaction and performance (Wang et al., 2020). However, research focusing on the effectiveness of these interventions in the IT industry is sparse, presenting an opportunity to investigate how organizational support influenced outcomes for IT employees.

Individual and Situational Factors

Work-family conflict is influenced by individual factors such as gender, caregiving responsibilities, and personality traits, as well as situational factors like the availability of remote work resources and household dynamics (Michel et al., 2011). For instance, employees with significant caregiving responsibilities experienced heightened conflicts, while those with robust technological setups faced fewer disruptions. Although these factors are frequently discussed in work-family literature, their role within the IT sector during the pandemic remains underexplored.

Research Gap and Contribution

While extensive literature exists on work-family conflict and its implications, few studies have examined its impact on IT professionals during the COVID-19 pandemic. Furthermore, limited research has explored the interplay of resilience, coping strategies, and organizational support in mitigating these conflicts. This study aims to address these gaps by investigating the unique experiences of IT employees, offering actionable insights to enhance employee well-being, resilience, and productivity in the post-pandemic era.

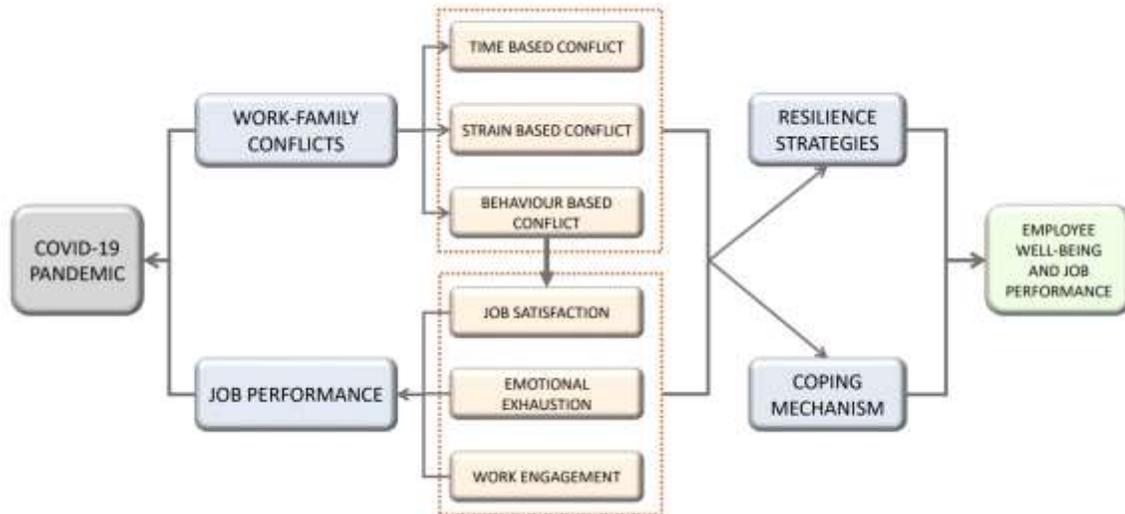
Conceptual Framework

The conceptual framework shows that the experiences, coping strategies, and resilience of IT employees are greatly influenced by various factors, especially after the COVID-19 pandemic. It mainly focuses on COVID-19 related stressors like remote work, job demands, and work-family conflict. These stresses impact the employees' self-confidence, the ability to bounce back, stay positive and confident in their abilities, and in turn influence how they perceive their job demands and resources.

To deal with these challenges, it is important for IT employees to adopt some resilience techniques and coping mechanisms. These methods can be divided into two: the emotion-focused coping which aims to control the feelings and the problem-focused coping which aims to manage the problems. The framework also identifies how individual characteristics and environmental factors such as demographic characteristics and sources of social support may moderate the efficacy of these strategies.

This study employs both qualitative interviews and quantitative surveys to establish the connection between these factors and their impact on well-being and job performance, which helps us gain a clear understanding. Figure 1 below visually presents the dynamics indicating the relationships and influences within the Conceptual Framework.

Figure 1. Conceptual Framework



The conceptual framework focuses on how different kinds of conflict including time-based, strain-based, and behaviour-based conflict influence work engagement, emotional exhaustion, and job satisfaction which in turn affect productivity. The problem is that role conflicts that arise from work and non-work responsibilities create stress and pressure. Referring to theories such as Role Stress Theory and the Conservation of Resources (COR) Theory, employees use coping and resilience strategies to deal with these conflicts. This study aims to examine the effects of these strategies on work-family conflict, employees' well-being, and productivity with the help of quantitative surveys and qualitative interviews. Therefore, the employers who are aware of these dynamics can come up with specific employee support programs that can enhance the working environment in the current post-pandemic period.

Theoretical Framework and Hypothesis

Theoretical Framework

This study is grounded in the Work-Family Conflict Theory (Greenhaus & Beutell, 1985), which posits that the competing demands of work and family roles lead to inter-role conflict, adversely affecting individuals' well-being and job performance. During the COVID-19 pandemic, the challenges associated with remote work and the dissolution of traditional boundaries between work and home life intensified these conflicts, particularly for IT professionals.

Work-Family Conflict and Job Stress

Work-family conflict (WFC) creates stress by increasing role overload and emotional exhaustion. Research indicates that individuals experiencing heightened WFC are more likely to encounter psychological strain, thereby reducing their capacity to perform effectively (Allen et al., 2000; Carlson et al., 2000). This study extends this understanding by exploring how pandemic-induced WFC exacerbated stress among IT professionals (H1).

Job Stress and Job Performance

Job stress resulting from work-family conflict depletes employees' cognitive and emotional resources, negatively influencing their ability to meet job demands (Netemeyer et al., 1996). Stress-related performance declines are particularly relevant in the high-pressure IT sector, where employees face elevated expectations (Greenhaus & Beutell, 1985). The study hypothesizes that job stress mediates the relationship between WFC and job performance (H2).

Resilience and Coping Strategies as Mediators

Resilience and effective coping strategies enable individuals to adapt to stress and maintain equilibrium in challenging circumstances. Drawing from the Conservation of Resources Theory (Hobfoll, 1989), resilience and coping mechanisms are proposed as mediators that buffer the

negative impact of WFC on job performance, facilitating better outcomes (Kossek et al., 2011; Luthans et al., 2006). This study examines their mediating role within the context of the IT industry during the pandemic (H3).

Individual and Situational Factors as Moderators

Individual characteristics such as gender, caregiving responsibilities, and personality traits, along with situational factors like remote work infrastructure, influence the severity of work-family conflict. For example, employees with significant caregiving duties may experience heightened WFC, while robust technological setups can mitigate such conflicts (Michel et al., 2011; Shockley et al., 2017). These moderators are examined to understand their role in shaping the WFC experience during the pandemic (H4).

Organizational Support as a Moderator

Organizational support, including flexible work arrangements and access to mental health resources, plays a pivotal role in alleviating the adverse effects of work-family conflict. Based on the Social Support Theory (House, 1981), this study posits that supportive organizational practices moderate the relationship between WFC and employee well-being, reducing stress and enhancing job performance (Lapierre & Allen, 2006; Allen et al., 2013). The moderating role of organizational support in the IT context is specifically explored (H5).

Methodology

Using a mixed-methods approach, this study investigates how IT employees managed resilience, coping mechanisms, and experiences during the COVID-19 pandemic. In-depth qualitative interviews provided insights into IT employees' personal experiences, stress management techniques, and resilience-building strategies, helping to understand how they dealt with remote work challenges, job demands, and work-family conflicts. Additionally, a structured online survey was conducted to collect quantitative data on various factors, which was analyzed using statistical methods like regression and correlation to identify key relationships. By combining insights from both the qualitative and quantitative phases, the study offers a comprehensive overview of the factors shaping coping and resilience in the IT sector. The data aims to assist the IT industry in developing targeted interventions and creating support systems to enhance employee well-being and productivity post-COVID-19 pandemic.

Data Analysis

A sample size of 103 IT employees was categorized based on age, gender, and length of service. The gender breakdown includes 27 female participants (26%) and 76 male participants (74%). Age distribution is as follows: 49% are under 25, 32% are between 25 and 34, 14% are between 35 and 44, and 5% are over 45. Regarding educational qualifications, 67% hold a bachelor's degree, while 33% have a Master's degree. The participants' work experience spans various categories: 7% have been employed for less than one year, 55% for 1 to 3 years, 14% for 3 to 7 years, 6% for 7 to 10 years, and 19% have over 10 years of experience. The positions held by the respondents include Software Engineer, IT Analyst, IT Executive, QA Lead Engineer, Technical Lead, and Programmer Analyst.

Results

Time based conflicts

This study explores time-based conflict variables (T1 to T10) that reflect the challenges respondents face in balancing work and family responsibilities. Key dimensions of conflict include stress from juggling duties, sacrificing family time for work, and work schedules interfering with family activities. Mean scores for these variables, ranging from 2.25 to 2.60 on a 1 to 4 scale, indicate a moderate level of work-family conflict among respondents as shown in Table 1.

Table 1. Time Based - Mean, Standard Deviation and Variance for Survey Variables

VARIABLE	Mean	SD	VARIANCE
T1	2.3786	0.9678	0.9366
T2	2.3592	0.9447	0.8925
T3	2.5825	1.1549	1.3338
T4	2.4660	1.0329	1.0670
T5	2.3495	0.9535	0.9092
T6	2.5243	0.9343	0.8729
T7	2.6019	1.0565	1.1161
T8	2.4272	0.9524	0.9071
T9	2.3592	0.9133	0.8341
T10	2.2524	1.0414	1.0845

Variables T3 (sacrificing family time for work) and T7 (work schedules interfering with family activities) have the highest mean scores (2.58 and 2.60, respectively), highlighting these as the most common sources of conflict. Conversely, T10 (family responsibilities preventing work deadlines) has the lowest mean score (2.25), suggesting this is less frequently a concern for respondents.

Standard deviations and variances reveal the diversity of experiences: T3 and T7 show greater variability, indicating varied levels of conflict in these areas, while T9 (work schedule preventing family care) displays more consistent responses. These findings underscore the complex and diverse nature of work-family conflict challenges.

Figure 2. Time Based – Mean, SD and Variance

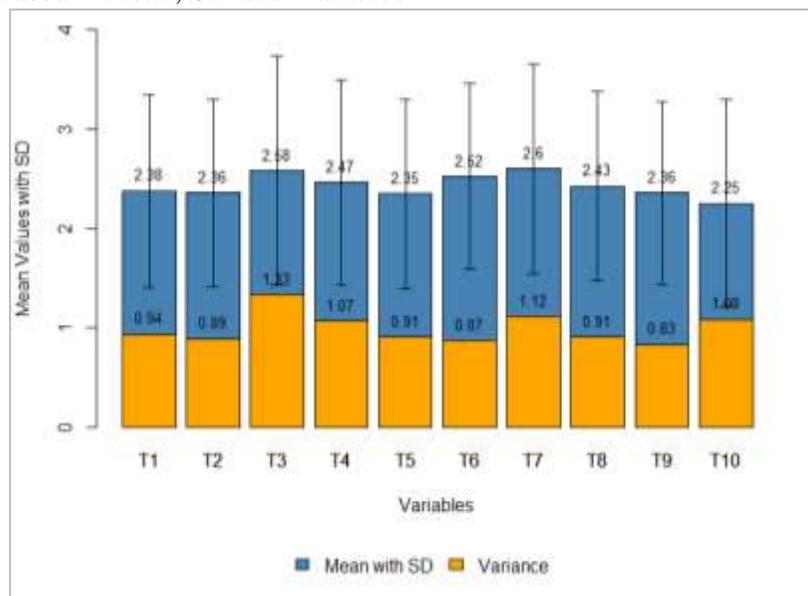


Figure 2 represents work-family conflict variables through blue bars indicating average scores. Taller blue bars signify higher reported conflict, while vertical lines on the bars show variability around the mean—longer lines indicate greater differences in respondents' perceptions. Orange bars at the bottom represent variance, quantifying the spread of responses; higher orange bars reflect more diverse experiences.

Key findings include T3 (sacrificing family time for work) and T7 (work schedule interfering with family activities) as areas with both high conflict levels and variability. In contrast,

T10 shows lower conflict levels with more consistent responses, highlighting less variability in this area. This visualization emphasizes the most prevalent areas of conflict and the diversity of respondent experiences.

Strain Based Conflicts

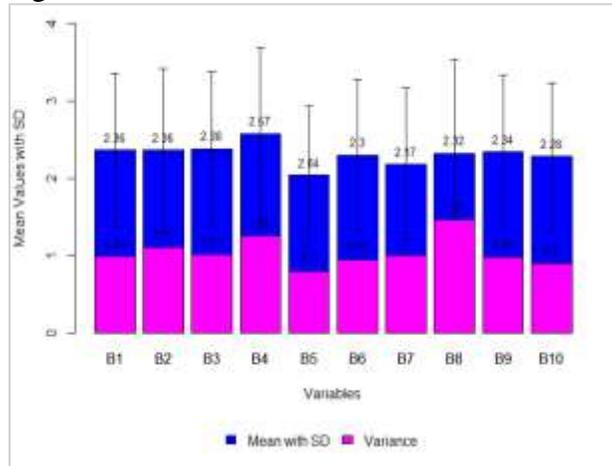
Table 2 illustrates the mean values, standard deviations, and variances for ten strain-based variables (S1 to S10) that capture various dimensions of work-related stress and its impact on family responsibilities. The analysis employed descriptive statistics to provide insights into the respondents' experiences regarding their work-family interactions.

Table 2. Strain Based - Mean, Standard Deviation and Variance for Survey Variables

VARIABLE	Mean	SD	VARIANCE
S1	2.3592	0.9949	0.9899
S2	2.3592	1.0520	1.1067
S3	2.3786	1.0072	1.0144
S4	2.5728	1.1214	1.2575
S5	2.0388	0.8925	0.7965
S6	2.3010	0.9750	0.9506
S7	2.1748	1.0005	1.0010
S8	2.3204	1.2100	1.4640
S9	2.3398	0.9920	0.9840
S10	2.2816	0.9505	0.9035

The mean scores for strain-based variables (S1 to S10) range from 2.0388 (S5) to 2.5728 (S4) on a 1 to 4 scale, indicating a moderate level of strain among respondents. While challenges in balancing work and family responsibilities are evident, extreme stress levels are not commonly reported. Standard deviations, depicted as error bars, range from 0.8925 (S5) to 1.1214 (S4), reflecting variability in respondents' experiences. Higher variability, as seen in S4, suggests diverse levels of strain, with some individuals facing significant challenges while others report lower strain. Variance values, ranging from 0.7965 (S5) to 1.4640 (S8), further highlight the consistency of responses. Higher variance indicates a broader distribution, revealing that certain stressor impact individuals differently. The analysis highlights how respondents experience work-related strain.

Figure 3. Strain Based – Mean, SD and Variance



From the analysis presented in Figure 3, it is possible to obtain crucial information regarding the pressure that the participants felt when trying to manage work and family life. The use of mean values, standard deviations and variances shows how work-family interaction is a multifaceted process and therefore requires specific measures to help people deal with these conflicting demands. This is a useful starting point for exploring the relationship between work stressors and wellbeing as well as the family context.

Behaviour-Based Conflict

Behaviour-based questions assess how work responsibilities interfere with family life, thus giving insight into the emotional and practical difficulties posed by employees. For example, behaviours like bringing work home, checking emails during family time, and placing work ahead of family commitments. These behaviours indicate the influence of work-based stressors, which includes feelings of guilt from wanting to be present at any missed family activity, or even the need to cancel vacation plans because of work demands. This directly relates to the impact of work-family conflict and supportive workplace practices that are present in balancing the two domains for a healthier balance in life.

Table3.

VARIABLE	Mean	SD	VARIANCE
B1	2.3592	1.0520	1.1067
B2	3.0777	0.9327	0.8699
B3	2.3301	0.8062	0.6499
B4	2.3495	1.0129	1.0260
B5	2.2330	0.9885	0.9772
B6	2.6505	1.2219	1.4931
B7	2.2136	1.0219	1.0443
B8	2.0097	0.8878	0.7882
B9	2.6796	0.8396	0.7049
B10	2.3592	1.0884	1.1845

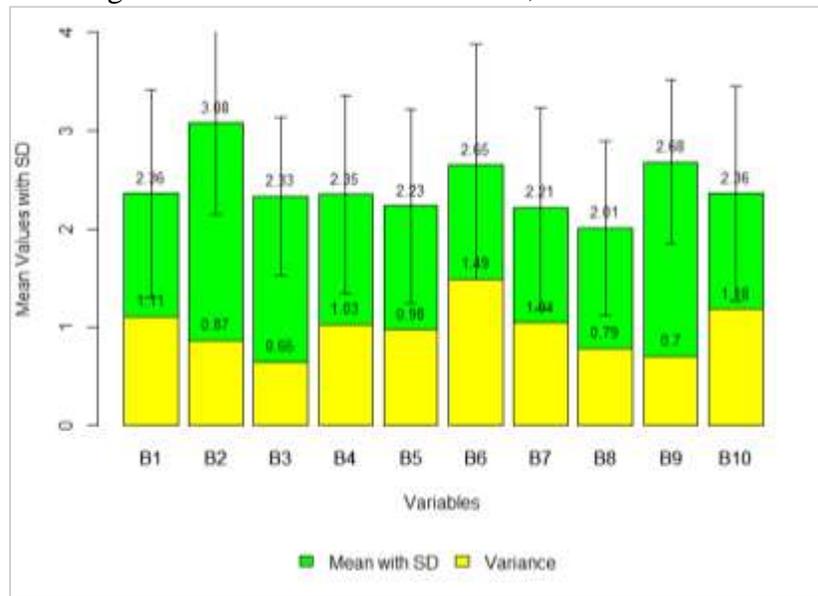
Behaviour Based - Mean, Standard Deviation and Variance for Survey Variables

The analysis shown in table 3 of behaviour-based variables reveals varying degrees of work-family conflict, with mean scores ranging from 2.0097 (B8) to 3.0777 (B2) on a 1 to 4 scale. The mean score for B2 (3.0777), which addresses the frequency of checking work-related emails during family time, is the highest of the variables. Therefore, it is possible that most respondents frequently check work emails at the expense of family members. This signifies palpable rather high encroachment of work on personal life, with possible strained relationships and reduced quality time for the family.

On the contrary, B8 (2.0097) that looks into neglecting personal or family needs due to work obligations has the least mean score. This might mean that while work demands are at the top, some of the respondents would still probably prioritize some of these family needs, though this can vary from person to person.

Standard deviations and variances reflect variations in response, too. For example, a rather high standard deviation for B6 (1.2219) implies a mixed bag of responses about having to work during planned time off. B3 (0.8062) is not as diversified, whereas there is more general agreement across the respondents about availability for family time.

Figure 4. Behaviour Based – Mean, SD and Variance



These results are illustrated by figure 4 above where bars indicate mean for each question and error bars show standard deviation. This visualisation brings out the difference in experiences between people so we can better see the interplay between work and family.

Overall, these findings suggest that we need to better manage work-family conflict as part of our organisational culture, since frequent disruption can have deep effects on employee wellbeing and family relationships.

Job Satisfaction

Based on a series of ten questions, where they are asked to rate many aspects of their work life, this research is looking at home-worker job satisfaction. These are the questions that measure satisfaction with flexibility about scheduling, the freedom to create a healthy working environment, the savings in commute time, management of the workspace, balancing work and life, and work-life balance generally. By focusing on these points, we will learn more about the effects that working from home has on employee satisfaction, and what factors are important for the overall work experience.

Table 4. Job Satisfaction - Mean, Standard Deviation and Variance for Survey Variables

VARIABLE	Mean	SD	VARIANCE
JS1	3.7379	0.8929	0.7973
JS2	3.5631	0.9633	0.9279
JS3	3.6214	0.8726	0.7614
JS4	3.2427	0.7444	0.5541
JS5	3.3786	0.8029	0.6446
JS6	3.4272	0.7718	0.5957
JS7	3.6990	1.0792	1.1647
JS8	3.6602	0.8993	0.8088
JS9	3.3107	0.9769	0.9543
JS10	3.5243	0.8117	0.6588

Table 4 provides insights into various aspects of job satisfaction among employees working from home. These 10 items of job satisfaction score average 3.24-3.7 on a scale of 1-5, which is

high satisfaction. These are especially valuable to employees for flexibility (JS1) and freedom (JS2): they have the highest mean ratings for these questions. On the other hand, juggling work and personal obligations (JS4) has a somewhat lower mean, indicating that some people may find this more difficult. Low response variability is indicated by the standard deviations across questions, which show that participants' satisfaction levels are constant. The somewhat higher standard deviation for independent functioning (JS7), however, indicates that there may be some variance in how this feature is perceived.

Figure 5. Job Satisfaction – Mean, SD and Variance

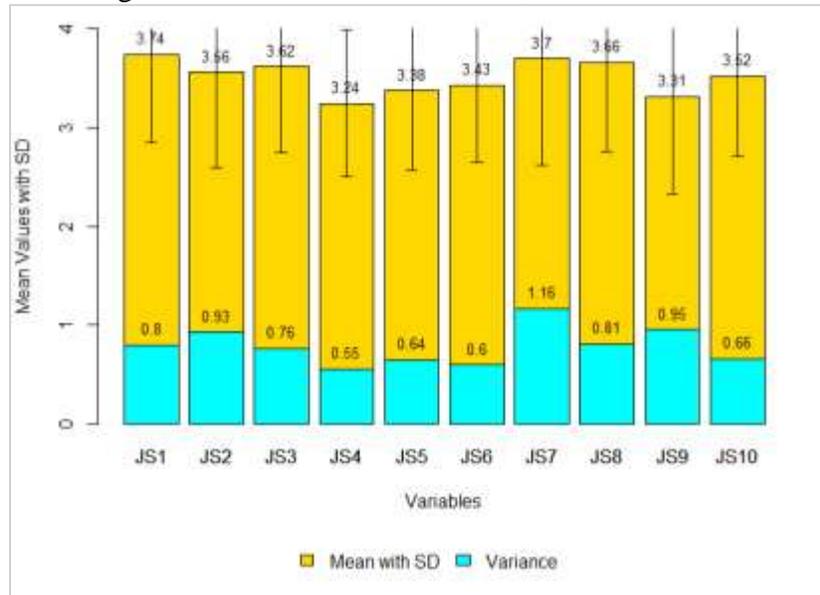


Figure 5 visually represents the mean scores, with error bars displaying standard deviations and orange bars illustrating variances for each question. This layout highlights questions with the most and least variability, helping to pinpoint which factors may benefit from further attention. Overall, the results emphasize positive employee perceptions of remote work's flexibility, reduced commuting, and control over their environment, while also hinting at areas where work-life balance support could be strengthened.

Emotional Exhaustion

The emotional exhaustion (EE) section of the survey assessed respondents' fatigue and burnout while working from home, focusing on aspects such as emotional drain, work-life balance struggles, burnout symptoms, and the impact on mental well-being. Ten questions explored how often respondents felt exhausted, faced distractions, lacked motivation, or experienced negative emotions. Responses were measured on a Likert scale (1 to 4), with higher values indicating more frequent emotional exhaustion. Table 5 summarizes the mean, standard deviation, and variance for each question, providing insights into the average frequency and variability of emotional exhaustion among respondents.

Table 5. Emotional Exhaustion - Mean, Standard Deviation and Variance for Survey Variables

VARIABLE	Mean	SD	VARIANCE
EE1	2.1553	0.7350	0.5403
EE2	2.3495	0.9010	0.8118
EE3	2.1845	0.9228	0.8515
EE4	2.1165	0.9595	0.9207
EE5	2.2621	0.9355	0.8752
EE6	2.4369	1.1561	1.3366
EE7	2.2136	1.0775	1.1611
EE8	2.3010	1.0518	1.1063
EE9	2.2816	1.2589	1.5848
EE10	2.4175	1.2978	1.6842

The mean values for emotional exhaustion ranged from 2.1165 (EE4) to 2.4369 (EE6), indicating that, on average, respondents did not experience extreme emotional exhaustion frequently. However, aspects like burnout symptoms (EE6, mean = 2.4369) and a loss of purpose (EE10, mean = 2.4175) were reported more often. This suggests that while emotional exhaustion was not consistently overwhelming, burnout symptoms were more common. The variability in responses, as indicated by the standard deviation and variance, shows significant differences in experiences. For instance, EE10 (variance = 1.6842) reveals a wide spread in feelings of lost purpose, with some respondents frequently experiencing it and others not at all. Similarly, EE9 (variance = 1.5848) indicates varied responses regarding negative emotions and burnout.

Figure 6. Emotional Exhaustion – Mean, SD and Variance

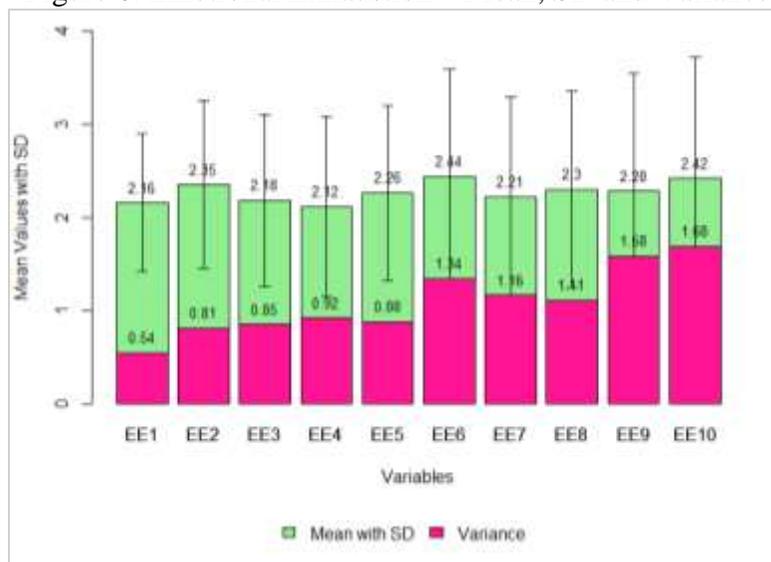


Figure 6 visualizes the survey results, highlighting the mean and variance for each question. Higher mean values, such as those for EE6 and EE10, indicate more frequent experiences of burnout and a loss of purpose, suggesting that respondents struggle more with these aspects of emotional exhaustion while working from home. In contrast, lower mean values for EE1 and EE4 show that, on average, respondents feel less emotionally drained or find it easier to separate work and personal life. Overall, the findings reveal that while emotional exhaustion is not uniformly experienced, burnout, loss of purpose, and negative emotions are more common concerns. The

variability in responses highlights that some employees cope well with remote work, while others may be more vulnerable to emotional exhaustion.

Work Engagement

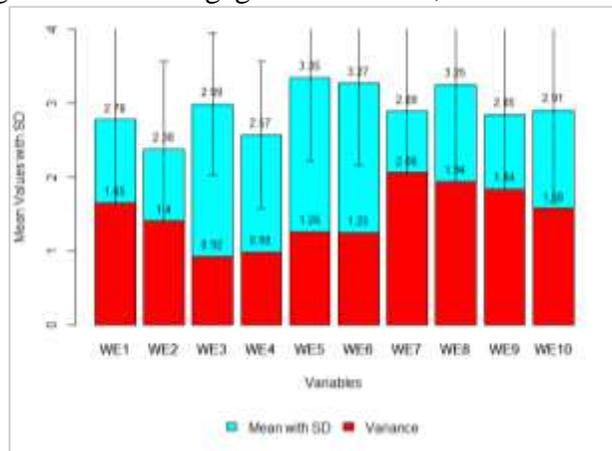
The work engagement (WE) section of the survey assessed respondents' motivation and engagement while working from home through ten questions. These focused on aspects such as motivation, task absorption, sense of purpose, professional growth, goal achievement, and positive emotions. Respondents were asked how often they felt motivated, absorbed in their work, challenged, and stimulated, and experienced meaning and positive emotions. The responses were measured on a Likert scale from 1 to 4, with higher values indicating greater work engagement. Table 6 summarizes the mean, standard deviation (SD), and variance for each of the 10 questions, providing insights into the average frequency of work engagement and the variability in these experiences among respondents.

Table 6: Work Engagement - Mean, Standard Deviation and Variance for Survey Variables

VARIABLE	Mean	SD	VARIANCE
WE1	2.7767	1.2858	1.6532
WE2	2.3786	1.1848	1.4037
WE3	2.9903	0.9615	0.9245
WE4	2.5728	0.9924	0.9850
WE5	3.3495	1.1223	1.2595
WE6	3.2718	1.1178	1.2495
WE7	2.8932	1.4358	2.0616
WE8	3.2524	1.3932	1.9410
WE9	2.8544	1.3556	1.8376
WE10	2.9126	1.2565	1.5787

The mean values for work engagement reflecting varying levels of engagement among respondents, range from 2.3786 (WE2) to 3.3495 (WE5). The highest mean (WE5) denotes a strong sense of achievement in goals, while the lowest (WE2) reflects less frequent motivation and enthusiasm. There is substantial variation in the responses, as indicated by the standard deviations and variances. For example, WE7 (variance = 2.0616) shows a wide range of respondents feelings regarding their contributions to organisational performance, highlighting differing levels of engagement. Figure 7 visualizes these results, with higher mean values, especially for WE5 and WE6, showing that respondents felt a strong sense of achievement and growth while working from home—key factors for maintaining motivation and engagement in a remote setting.

Figure 7. Work Engagement – Mean, SD and Variance



In contrast, the lower mean value for WE2 suggests that motivation and enthusiasm are not as prevalent among all respondents, pointing to a potential area for improvement. The variance in responses indicates that while some employees thrive in remote work settings, others struggle with engagement, potentially impacting productivity and job satisfaction. Overall, the findings show that work engagement varies among respondents working from home. Factors like goal achievement and professional growth contribute to higher engagement, while motivation and enthusiasm may need more focus. Addressing these challenges could improve employee engagement and satisfaction in remote work environments.

Findings

The findings indicate that both men and women experience stress from balancing work and family obligations in remote work settings, though the degree varies. Women are more likely to report this stress occurring "rarely," while men frequently indicate it happens "sometimes." Although both genders manage work and home responsibilities "sometimes," women tend to do so more often. However, women often struggle to reconcile these demands due to conflicting work hours, emphasizing the need for supportive workplace policies. While many women feel successful in balancing work and family despite challenges, additional support is essential for those facing greater difficulties.

Work-life imbalance contributes to emotional stress, anxiety, and exhaustion, with women being particularly affected. However, tension and emotional exhaustion are more commonly reported by men. These variations suggest the need of gender-specific support programs.

Additionally, the study also explores motivational factors and a sense of purpose in remote work. Compared to males, who frequently find remote work more difficult, women exhibit higher levels of dedication and purpose. Women also say they feel more content and assured about their ability to help the business succeed. Building an inclusive and supportive remote work culture involves recognizing these gender-based experiences. Employers must take these differences into considerations when shaping policies and support systems. These differences can be addressed by focused studies and initiatives, fostering a more just and productive remote work environment.

Conclusion

It is evident that resilience and coping mechanisms are essential for assisting staff members in overcoming obstacles and successfully adjusting to distant work environments. Flexibility is a powerful resilience tactic that lowers stress and boosts productivity. Remote work and flexible scheduling are two examples of flexibility that can be used as a resilience technique to help people perform better by lowering stress levels. Slack and Zoom are two examples of tools that can help build resilience by reducing loneliness and encouraging teamwork. Employers can increase employee motivation and morale by emphasizing results over hours spent, giving workers a feeling

of accomplishment and purpose. In order to foster resilience, companies should offer mental health services, such as counselling and stress-reduction techniques, to assist staff in handling stress at work. Employees are better equipped to handle the demands of remote work when clear boundaries between work and personal time are encouraged, which also helps to maintain work-life balance and lowers stress. Regular interaction with remote workers strengthens resilience by preserving a sense of support and belonging within teams, especially when leadership focused on work-life balance sets an example, fostering resilience across the organization. All of these tactics promote productivity, wellbeing, and teamwork, which helps to create a resilient staff that can flourish in a remote work setting.

References

- Ahmad, A. (2008). Direct and indirect effects of work-family conflict on job performance. *The Journal of International Management Studies*, 3(2), 176–180.
- Asiedu, E. E. A., Annor, F., Amponsah-Tawiah, K., & Dartey-Baah, K. (2018). Juggling family and professional caring: Role demands, work–family conflict and burnout among registered nurses in Ghana. *Nursing Open*, 5(4), 611–620. <https://doi.org/10.1002/nop2.178>
- Baeriswyl, S., Krause, A., & Schwaninger, A. (2016). Emotional exhaustion and job satisfaction in airport security officers – Work–Family Conflict as mediator in the Job Demands–Resources Model. *Frontiers in Psychology*, 7. <https://doi.org/10.3389/fpsyg.2016.00663>
- Bakker, A. B., & Demerouti, E. (2018). Multiple levels in job demands-resources theory: Implications for employee well-being and performance. *Noba Scholar*.
- Benjamin, O. A., & Samson, B. S. (2014). The impact of demographic factors on family interference with work and work interference with family and life satisfaction. *International Journal of Humanities and Social Science Invention*, 3(4), 31–38.
- Bick, A., Blandin, A., & Mertens, K. (2022). Work from home before and after the COVID-19 outbreak. *Federal Reserve Bank of St. Louis Working Paper*, 2022(008).
- Brooks, S. K., Webster, R. K., Smith, L. E., Woodland, L., Wessely, S., Greenberg, N., & Rubin, G. J. (2020). The psychological impact of quarantine and how to reduce it: Rapid review of the evidence. *The Lancet*, 395(10227), 912–920. [https://doi.org/10.1016/S0140-6736\(20\)30460-8](https://doi.org/10.1016/S0140-6736(20)30460-8)
- Carvalho, V. S., Chambel, M. J., Neto, M., & Lopes, S. (2018). Does work-family conflict mediate the associations of job characteristics with employees' mental health among men and women? *Frontiers in Psychology*, 9. <https://doi.org/10.3389/fpsyg.2018.00966>
- Das, S., Kumari, S., & Pradhan, R. (2015). Relationship of family support with job satisfaction and job performance of staff nurses. *International Journal of Advances in Nursing Management*, 3(2), 1–8.
- Davenport, T. H., Harris, J., & Shapiro, J. (2020). Competing on talent analytics. *Harvard Business Review*, 88(10), 52–58.
- Demerouti, E., Bakker, A. B., Nachreiner, F., & Schaufeli, W. B. (2001). The job demands-resources model of burnout. *Journal of Applied Psychology*, 86(3), 499–512. <https://doi.org/10.1037/0021-9010.86.3.499>
- Elahi, N. S., Abid, G., Contreras, F., & Fernández, I. A. (2022). Work–family and family–work conflict and stress in times of COVID-19. *Frontiers in Psychology*, 13. <https://doi.org/10.3389/fpsyg.2022.951149>
- French, K. A., Dumani, S., Allen, T. D., & Shockley, K. M. (2018). A meta-analysis of work–family conflict and social support. *Psychological Bulletin*, 144(3), 284. <https://doi.org/10.1037/bul0000120>
- Gajendran, R. S., & Harrison, D. A. (2007). The good, the bad, and the unknown about telecommuting: Meta-analysis of psychological mediators and individual consequences.

- Journal of Applied Psychology, 92(6), 1524–1541. <https://doi.org/10.1037/0021-9010.92.6.1524>
- Golden, T. D., Veiga, J. F., & Dino, R. N. (2008). The impact of professional isolation on teleworker job performance and turnover intentions: Does time spent teleworking, interacting face-to-face, or having access to communication-enhancing technology matter? *Journal of Applied Psychology*, 93(6), 1412–1421. <https://doi.org/10.1037/a0012722>.
- Hobfoll, S. E. (1989). Conservation of resources: A new attempt at conceptualizing stress. *American Psychologist*, 44(3), 513–524. <https://doi.org/10.1037/0003-066X.44.3.513>
- Komang, N., & Suryani, N. (2020). Work family conflict and work stress. *Journal of Psychology*, 11, 998–1012.
- Kowalski-Trakofler, K. M., & Vaught, C. (2003). Social support, work-family conflict, strain, and burnout: Implications for nursing turnover intentions and practice. *Journal of Nursing Administration*, 33(6), 325–337. <https://doi.org/10.1097/00005110-200306000-00009>
- Luthans, F., Avey, J. B., Avolio, B. J., Norman, S. M., & Combs, G. M. (2007). Psychological capital development: Toward a micro-intervention. *Journal of Organizational Behavior*, 28(2), 143–158. <https://doi.org/10.1002/job.373>
- Mary, M. A. J., & Ramesh, V. (2020). An empirical study on the effect of work/family conflict to work-life integration (WLI). *Materials Today: Proceedings*, 37, 2279–2283. <https://doi.org/10.1016/j.matpr.2020.07.721>
- Namasivayam, K., & Mount, D. J. (2004). The relationship of work-family conflicts and family-work conflict to job satisfaction. *Journal of Hospitality & Tourism Research*, 28(2), 242–250. <https://doi.org/10.1177/1096348004264084>
- Kengatharan, N. (2017). The effect of work-family conflict on employee performance: Does income matter or influence? *Journal of Business Studies*, 4(2), 31–41. <https://doi.org/10.4038/jbs.v4i2.18>
- Obrenovic, B., Jianguo, D., Khudaykulov, A., & Khan, M. A. S. (2020). Work-family conflict impact on psychological safety and psychological well-being: A job performance model. *Frontiers in Psychology*, 11. <https://doi.org/10.3389/fpsyg.2020.00475>
- Patanjali, S., & Bhatta, N. M. K. (2022). Work from home during the pandemic: The impact of organizational factors on the productivity of employees in the IT industry. *Vision*, 0(0). <https://doi.org/10.1177/09722629221074137>
- Pluut, H., Iliès, R., Curseu, P. L., & Liu, Y. (2018). Social support at work and at home: Dual-buffering effects in the work-family conflict process. *Organizational Behavior and Human Decision Processes*, 146, 1–13. <https://doi.org/10.1016/j.obhdp.2018.02.001>
- Qu, H., & Zhao, X. (2011). Employees' work-family conflict moderating life and job satisfaction. *Journal of Business Research*, 65(1), 22–28. <https://doi.org/10.1016/j.jbusres.2011.07.010>
- Ramaci, T., Barattucci, M., Ledda, C., & Rapisarda, V. (2020). Social stigma during COVID-19 and its impact on HCWs outcomes. *Sustainability*, 12(9), 3834. <https://doi.org/10.3390/su12093834>
- Sasaki, N., Kuroda, R., Tsuno, K., Kawakami, N., & Suka, M. (2018). Workplace social capital and the onset of major depressive episode among workers in Japan: A 3-year prospective cohort study. *Journal of Epidemiology and Community Health*, 72(8), 710–715. <https://doi.org/10.1136/jech-2017-210228>
- Sirgy, M. J., & Lee, D. J. (2018). Work-life balance: An integrative review. *Applied Research in Quality of Life*, 13(1), 229–254. <https://doi.org/10.1007/s11482-017-9509-8>
- Siswanto, M., Nur Hidayati, M., Ridwan, M., & Hanif, R. (2022). Impact of work-family conflict on job satisfaction and job stress: Mediation model from Indonesia. *Problems and Perspectives in Management*, 20(2), 44–56. [https://doi.org/10.21511/ppm.20\(2\).2022.04](https://doi.org/10.21511/ppm.20(2).2022.04)

- Smith, T. D., Hughes, K., DeJoy, D. M., & Dyal, M. A. (2018). Assessment of relationships between work stress, work-family conflict, burnout, and firefighter safety behavior outcomes. *Safety Science*, 103, 287–292. <https://doi.org/10.1016/j.ssci.2017.12.005>
- Suryani, N., Sarmawa, I., & Wardana, M. (2014). Work family conflict, job stress, and job performance: Case study of spa employees in Bali. *European Journal of Business and Management*, 6, 189–195.
- ten Brummelhuis, L. L., & Bakker, A. B. (2012). A resource perspective on the work-home interface: The work-home resources model. *American Psychologist*, 67(7), 545–556. <https://doi.org/10.1037/a0027974>
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- Vindegaard, N., & Benros, M. E. (2020). COVID-19 pandemic and mental health consequences: Systematic review of the current evidence. *Brain, Behavior, and Immunity*, 89, 531–542. <https://doi.org/10.1016/j.bbi.2020.05.048>
- Warokka, A., & Febrilia, I. (2015). Work-family conflict and job performance: Lessons from a Southeast Asian emerging market. *Journal of Southeast Asian Research*, 1–14. <https://doi.org/10.5171/2015.420802>
- Zainal, N. N., Zawawi, N. D., Aziz, N. Y. A., & Ali, N. M. H. (2021). Work-family conflict and job performance: Moderating effect of social support among employees in the Malaysian service sector. *International Journal of Business and Society*, 21(1), 79–95. <https://doi.org/10.33736/ijbs.3224.2020>