# Original Paper

# Juggling Work and Studies: A Focused Study on Work-Life

# Balance and Well-being of Part-Time Student Workers

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#### Abstract

Where social unrest, economic downturn, and political instability coexist, part-time workers and students have difficulties in balancing their personal, professional, and academic commitments. To understand how part-time students achieve work-life balance, this study examines work-related stress, flexible work schedules, productivity while working from home, supervisor and coworker support, and work-related characteristics among part-time employees who are also students in Lebanon. Data from a sample of part-time employees who are also students will be gathered using a quantitative survey approach in order to examine how these characteristics interact. In order to improve the academic performance and general well-being of part-time employees who are also students in Lebanon, the findings are intended to influence organizational practices, inform policy interventions, and contribute to the corpus of existing research on work-life balance.

#### 1. Part 1

#### 1.1 Introduction

The juggling of work and studying has become increasingly common among university students, particularly those who are part-time workers. In Lebanon, where the cost of education is high and the job market is competitive, many students find themselves having to balance their academic responsibilities with part-time employment. This can take a toll on their well-being and work-life harmony, as they battle to juggle the demands of their jobs and their studies.

In this study, we aim to examine the specific challenges faced by part-time student workers in Lebanon, with a focus on how this juggling act impacts their overall well-being. By conducting surveys with

students and employers, we hope to gain insights into the strategies employed by students to manage their time effectively and maintain a sense of equilibrium between their work and studies. Additionally, we will explore the support systems available to these students, both within their academic institutions and in the workplace. This study is important because it provides important information and understandings on the health and work-life balance of part-time student workers in Lebanon.

The research findings hold potential implications for Higher Education Institutions (HEIs) in Lebanon, as they can inform the development of policies and programs aimed at supporting the health and work-life equilibrium of students who work part-time. In line with the expanding interest in this field worldwide, this study contributes to the body of information on work-life balance and its consequences on the wellbeing of part-time student workers. Understanding the specific challenges faced by part-time student workers in Lebanon contributes to the broader discourse on work-life balance, benefiting employees across different countries and industries.

In summary, this research closes a significant gap in the research by shedding light on the experiences of part-time student workers in Lebanon with regard to work-life balance and by making insightful recommendations for improving their well-being and work-life balance, possibly both domestically and internationally.

This study, titled "Juggling Work and Studies: A Lebanon-Focused Study on Work-Life Balance and Well-being of Part-Time Student Workers", seeks to investigate the difficulties encountered by part-time employee-students in managing their employment, academic, and personal responsibilities.

# 1.2 Research Question

Limited research explores work-life balance for part-time student employees in Lebanon, despite its critical importance in a nation facing political and economic turmoil. Existing global studies offer a foundation, but Lebanon's unique context demands deeper understanding.

# **Research Question**

How do work stress, flexible work arrangements, work-from-home productivity, supervisor support, and co-worker support relate to the work-life balance of a part time students?

This study investigates this question through the lens of the following hypotheses:

# Main Hypothesis (H1):

• Higher levels of Work Stress negatively impact Work-Life Balance among part-time student employees.

# **Moderation Hypothesis 1 (H2):**

 Supervisor Support and Coworker Support moderates the relationship between Work Stress and Work-Life Balance, such that higher levels of Supervisor Support weaken the negative impact of Work Stress on Work-Life Balance.

# **Mediating Hypothesis 1 (H3):**

Work-from-Home Productivity mediates the relationship between Work Stress and Work-Life
Balance, such that higher levels of Work-from-Home Productivity weaken the negative impact of Work

Stress on Work-Life Balance among part-time student employees.

# **Mediating Hypothesis 2(H4):**

• Flexible Work Arrangements (FWAs) mediate the relationship between Work Stress and Work-Life Balance, such that the availability of FWAs weakens the negative impact of Work Stress on Work-Life Balance among part-time student employees

1.3 Justification of Research: Why This Topic Matters

This topic is important and worth studying for several reasons: **First, addressing a Critical Gap in Knowledge:** Limited research exists on the experiences of part-time employee-students, emphasizing the importance of understanding their challenges, coping mechanisms, and the impact of their dual roles on various aspects of life.

Existing literature predominantly focuses on full-time employees or traditional students, overlooking the unique dynamics of work-life balance for part-time employee-students. Despite extensive research on the quality of life, studies specific to this group are scarce. Consequently, there is a dearth of information in the literature about the experiences of part-time employees who are also students with regard to work-life balance, underscoring the need for more research on this understudied group.

Furthermore, there is a lack of longitudinal studies tracking the progression of part-time employee-students over time, which could provide valuable insights into their evolving work-life balance and quality of life. This research gap is particularly notable in Lebanon.

**Second, Urgent Need for Solutions:** Research has shown that a poor work-life balance can lead to negative outcomes like stress, burnout, and poor performance at work and in the classroom (Shockley, 2017) and (Amstad, 2011)

This urgency underscores the necessity for tailored interventions and support mechanisms to address the specific needs and challenges faced by part-time employee-students, ultimately enhancing their overall quality of life and academic performance.

**Third, Impact on Future Workforce:** Part-time employee-students, as emphasized by (Draugalis, 2009) have a significant impact on forming the future labor force and leaders of the nation's social and economic landscape.

**Finally, Policy and Practice Implications:** Understanding the factors influencing their work-life balance is imperative for developing effective policies and practices to support their well-being and academic success, and the research will provide evidence-based recommendations for strengthening this understanding.

# 1.4 Literature Review

Balancing work and studies are a significant challenge, especially for students who work more hours (Tuttle, 2005). This juggling act often leads to stress and exhaustion due to the mental and physical demands of both work and academic obligations. Financial constraints often compel students, particularly those from low or middle-income households, to work while studying (Devlin, 2008). The

cumulative burden placed on students can affect their confidence, time management abilities, and prospects for future employment in both positive and bad ways (Haqifa, 2013).

While there are potential benefits, research suggests that working too much can lead to lower academic achievement and decreased social involvement (Tuttle, 2005). This is particularly true with rising tuition fees putting a financial strain on students (Devlin, 2008). Unfortunately, the pressure to balance work and study can also lead to unhealthy eating habits, with students opting for convenient but unhealthy choices (Dolan, 2015). These dietary patterns can increase the risk of obesity and chronic diseases over time (Bransford, 2000); (Busch, 2003).

The impact of balancing work and study varies. On the positive side, working students can develop valuable skills like financial management, independence, time management, and problem-solving (Devlin, 2008). However, working more than 35 hours per week can negatively affect academic performance, potentially leading to failing classes or dropping out altogether (Devlin, 2008). With the increasing number of working students, understanding these effects is crucial (Alipio, 2020). Higher education, after all, aims to foster learning and personal development, empowering individuals to contribute meaningfully to the world.

#### **Work Life Balance**

The concept of a balanced work-life is widely accepted, offering a framework for individuals to manage work and personal commitments effectively (Akdere, 2006). Definitions vary, but the core idea is about juggling paid work with other meaningful aspects of life, leading to a fulfilling existence both inside and outside the workplace (New Zealand Department of Labour, 2008a; Pocock, 2005a; (Bruin, 2004).

Research shows that work-life balance policies are effective in attracting and retaining talent in competitive markets, benefiting both individuals and organizations (De Cieri, 2005). These policies can lead to higher productivity, improved employee morale, and reduced absenteeism

Defining work-life balance remains challenging due to its multifaceted nature. While some describe it as balancing time, emotional investment, and behavior (Hill, Hawkins, Ferris, & Weitzman, 2004), others emphasize achieving overall life harmony.

Studies indicate a connection between enhanced well-being and a work-life balance and better quality of life (Greenhaus, 2011). However, in Lebanon, with its political and economic challenges, understanding the specific challenges faced by part-time student employees is crucial. Here, things like the amount of work they have to do in school, extracurricular activities, corporate culture and policies, social conventions, and cultural expectations all have a big impact on their work-life balance.

#### **Work Stress**

Stress as it is explained by Riggio (2018), encompasses both physiological and psychological responses to challenging or threatening circumstances, which are often triggered by environmental stressors. Robbins and Judge (2017) further elaborate that stress is an unpleasant psychological process resulting from external stressors, yet it can occasionally yield positive outcomes, such as enhancing work quality

and personal fulfillment. However, excessive stress may indicate mental health issues and can hinder work performance by increasing errors.

Research conducted by (Allen, 2013) reveals a direct correlation between elevated work stress levels and reduced work-life balance. This result is in accordance with earlier research (Byron, 2005), which found that particular work stressors such high workloads, tense deadlines, and role ambiguity were significant contributors to work-life imbalance. Furthermore (Frone, 2003) highlighted the detrimental effects of work-related stress on general wellbeing, emphasizing the importance of managing these stressors at work.

(Greenhaus, 1985) Discovered a negative relationship between workplace stress and work-life balance. suggesting that high stress levels make it difficult to manage both personal and professional obligations. (Grzywacz, 2000) Found that individuals facing high work stress perceive less control over their tasks and schedules, exacerbating challenges in achieving work-life balance.

According to research, social support and coping mechanisms might lessen the negative impacts of job stress on work-life balance (Frone, 2003); (Ten, 2012)). (Kossek, 2011) affirmed this by highlighting the importance of supportive supervisors, colleagues, and flexible work arrangements in helping employees manage work stress and enhance work-life balance. (Thompson, 2005) Also emphasized that access to organizational resources for workload management contributes to improved work-life balance for employees.

# Flexible Work Arrangements:

In recent years, striking a work-life balance has grown in significance, and flexible work arrangements, or FWAs, have become a practical means of granting employees more autonomy over their schedules. The effect of FWAs on the work-life balance of student employees is still largely unknown, though. FWAs include a range of strategies, including job sharing, telecommuting, flextime, and reduced workweeks (Golden, 2017).

Research suggests that FWAs offer numerous benefits for students, including increased flexibility to manage academic schedules, leading to reduced conflicts between work and study commitments (Allen, 2013). Moreover, FWAs contribute to improved job satisfaction, reduced stress levels, and enhanced productivity among student employees (Shockley, 2017).

Notwithstanding these benefits, FWAs may cause problems for students, such as making it difficult to draw boundaries between work and personal life, which could lead to burnout and poor academic achievement (Berg, 2018). Additionally, students in demanding academic programs may face challenges in negotiating suitable FWAs with employers, limiting their access to flexible work options (Golden, 2017).

Organizational support and culture play a crucial role in the effectiveness of FWAs for students. Supportive managerial practices and clear communication channels facilitate successful implementation of FWAs (Hill, 2019). Furthermore, organizations prioritizing work-life balance initiatives are more likely to attract and retain student employees, thereby enhancing their overall

well-being and academic success (Kossek, 2014).

#### **Work From Home Productivity:**

The rise of remote work (WFH) presents a complex picture for student work-life balance. While WFH offers potential benefits like flexibility and reduced commutes (Allen, 2015); (Gajendran, 2007), it can also create challenges. On the positive side, WFH allows students to tailor their work schedules around academic commitments, minimizing conflicts and freeing up time for studies and personal pursuits (Allen, 2015); (Gajendran, 2007)

However, WFH can also blur the lines between work and personal life, making it more difficult to separate and raising the possibility of burnout (Golden & Geisler, 2017). Social isolation, technological issues, and increased home responsibilities can further complicate work-life balance for remote students (Gajendran, 2007); (Golden, 2017); (Mesmer-Magnus, 2005).

#### Supervisor and co-worker support

Supervisor and co-worker support significantly impact student WLB (Kossek et al., 2014). WLB can be fostered at work by understanding the needs of their students and providing flexibility in scheduling, workload, and communication (Kossek, 2014); (Golden & Geisler, 2014). Clear expectations and regular feedback further empower students to manage time and reduce stress.

Positive relationships with co-workers are equally important. Supportive colleagues who offer assistance, collaborate effectively, and provide social support can alleviate isolation and contribute to overall well-being (Shockley, 2017); (Golden, 2017). Conversely, a lack of support from supervisors and co-workers can be detrimental. It can lead to isolation, stress, and difficulty managing work responsibilities, ultimately compromising work-life balance (Kossek, 2014).

# 1.5 Methodology

# 1.5.1 Research Design

For this research, a quantitative survey design is the most appropriate methodology. This study will investigate the factors influencing work-life balance among part-time student workers. A cross-sectional survey approach will be utilized to collect data.

#### 1.5.2 Data Collection

To assess the factors influencing work-life balance among student employees, this study will employ a two-pronged approach to data collection.

First, a structured questionnaire was distributed to 500 student employees. This questionnaire, built on validated scales and existing research, it evaluates work stress, flexible work options, work-from-home productivity, Considering the degree of assistance obtained from supervisors and co-workers. A pilot test at a modest gathering was conducted beforehand to ensure clarity, effectiveness, and minimize potential biases in the questionnaire. Ethical considerations will be paramount. Participants will be provided informed consent, fully briefed on the study's goals, and informed of their right to withdraw at any point. Confidentiality of all responses will be strictly maintained.

Second, to enrich the analysis, secondary data was collected from various credible sources, including websites, journals, research reports, books, magazines, and newspapers relevant to the topic.

# Variables:

- Independent Variables: Work stress
- Moderating Variables: supervisor support, co-worker support.
- Mediating Variable: flexible work arrangements, WFHP.
- Dependent Variable: WLB.

#### Theoretical framework

Greenhaus and Arthur model (1986) proposes that work-life balance hinges on managing three key factors: work demands, family demands, and individual characteristics. These characteristics encompass personality traits, values, and coping mechanisms that influence how individuals perceive work and family pressures. The model suggests that striving for balance between these components is crucial. When work and family demands become overwhelming, work-life conflict arises. Conversely, individuals achieve better balance when demands are lower or they possess strong coping skills. Work-Life Balance Model for Part-Time Student Employees. Adapted from (Demerouti, 2012); (Allen, 2015).

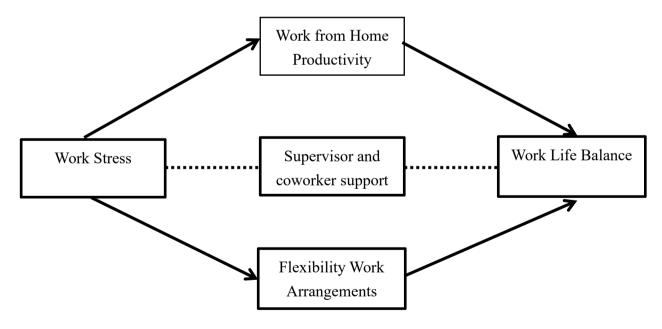


Figure 1. Research Conceptual Framework

# 1.6 Data Analysis Plan

Variable's Definitions and Measurements:

The conceptualization of the variables, as well as the operating definitions of the variables, are presented in the Table below:

Table 1. Variable's Definitions and Measurements

Variables	Conceptual definition	Operational definition
Work Stress	1. I am discouraged about my work.	4 items on 5-point
	2. I feel many things are beyond my control and	Likert scale were
	ability while working from home.	adopted from (Lait
	3. I feel unable to get out from my work during	and Wallace, 2002).
	working from home.	
	4. I feel like giving up on work during working from	
	home.	
Flexible Work	1. Flexible work arrangements are an important	3 items on 5-point
Arrangements	benefit that accounting majors use to select the firm they	Likert scale
	plan to work for.	were adopted from
	2. Flexible work arrangements generally enhance	(Anderson, J.
	morale and improve the quality of work life for those	C. ,2020).
	involved.	
	3. Flexible work arrangements are a women's issue;	
	most men don't want or need these options.	
Work From	I am very productive while working from home.	4 items on 5-point
Home	2. I can concentrate on getting work done even when	Likert scale
Productivity	there are distractions from family members during	were adopted from
	working from home.	(Neufeld and Fang,
	3. Working from home motivates me to work better.	2005).
	4. I receive technical assistance from my workplace in	
	completing work during working from home	
Supervisor &	1. My supervisor is understanding when I have	5 items on 5-point
Co-worker	personal or family problems which interfere with my	Likert scale
support	work.	were adopted from
	2. My supervisor is helpful when I have a personal	(Stankevičiūtė &
	emergency.	Kunskaja, 2022).
	3. My supervisor is concerned about me as a person.	
	My co-workers encourage each other when someone feels	
	down.	
	4. My co-workers try to act like peacemakers when	
	there are disagreements.	
	5. My co-workers willingly share their expertise with	

	each	other.	
Work-Life	1.	Time for hobbies is difficult for me	4 items on 5-point
Balance	2.	Do you ever miss out any quality time with your	Likert scale
	fam	ily or your friends because of pressure of work?	were adopted from
	3.	Forgetting work issues is hard to do	(Shange et al., 2022).
	4.	I have to take work home most evening	

Source: Developed by the researcher.

# 1.6.1 Quantitative Data Collection: Surveys

The target population for this study comprises university students enrolled in various Lebanese universities.

Sampling Strategy: A multi-pronged approach is employed to reach a diverse sample of students:

**Randomized WhatsApp Group Distribution**: A survey link is disseminated through WhatsApp groups targeting 200 students across several Lebanese universities (AUB, LAU, USJ, UOB, USEK, AUST).

**Targeted Distribution**: 200 surveys are directly distributed at the Modern University for Business and Science (MUBS). Additionally, 300 surveys are distributed at the Lebanese International University (LIU).

**Convenience Sampling**: Hard copies of the survey are distributed at Lebanese University's Beqaa campus to target students there.

**Sample Size**: The target sample size is 211 completed surveys. This allows for sufficient data for statistical analysis while acknowledging potential limitations due to the non-randomized sampling methods employed through WhatsApp groups and convenience sampling.

**Survey Instrument**: A self-administered, online survey instrument is developed using Google Forms. The survey is designed to be user-friendly and takes approximately 3-4 minutes to complete.

# **Data Analysis:**

SPSS is described as a tool for data management and statistical analysis, with a focus on descriptive analysis and regression analysis. Descriptive analysis involves summarizing dataset features using statistics like frequencies, means, and standard deviations, aiding in understanding variables' characteristics. Regression analysis examines relationships between dependent and independent variables, helping identify factors predicting part-time student work-life balance. SPSS steps for both analyses are detailed, highlighting the importance of interpreting results to inform interventions and support mechanisms. Overall, SPSS facilitates thorough analysis of convenience-sampled data, supporting the study's exploration of work-life balance among part-time student workers.

# 1.7 Timeline and Budget

#### 1.7.1 Timeline

As for the timeline, to ensure a well-structured and efficient research process, a detailed timeline was

established.

Table 1. Outlines the Key Milestones and Deadlines for Completing This Research Project

Week 1	Week 2
Day 1-2: Select research topic and refine	Day 8-9: Begin drafting the literature review section.
research questions.	Buy 6 7. Begin draining the inclusive review section.
Day 3-4: Conduct initial literature review	Day 10-11: Continue drafting the literature review
and gather relevant sources.	section and distribute the survey/questionnaire.
Day 5: Formulate research methodology and	Day 12: Write the methodology section. Enter SPSS
data collection plan.	and analyze the data.
Day 6: Develop survey/questionnaire (if	Day 13: Analyze collected data and begin drafting the
applicable) and finalize data collection tools.	results section.
Day 7: Obtain approvals required in order to	Day 14: Finalize the results section and begin drafting
collect data.	discussion/conclusion. Submit the research paper.

Source: Developed by the researcher.

# 1.7.2 Budget

This research project prioritized cost-effectiveness throughout the data collection process. Data collection expenses were minimal, totaling approximately \$150. This included fuel for stakeholder interviews across Lebanon and the printing of 300 hard copies of the survey distributed. The survey instrument itself was built and distributed for free using Google Forms. Using free student versions of specialized data analysis tools, such SPSS, for statistical analysis and qualitative data coding helped to minimize software costs. It's crucial to remember that the budget will change based on a number of variables, including the size of the research team, the difficulty of data gathering techniques, and any unique project requirements.

# 1.8 Ethical Considerations

Even though we didn't initially get informed consent using a separate form, our survey explained everything about the study: what we wanted to find out, how we were collecting data, keeping it safe, and what rights participants had. This helped them understand the research and decide if they wanted to take part, including the option to stop at any time. We made sure the survey didn't ask for personal details like names or addresses, so everyone stayed anonymous and their information confidential. We also used strong security measures like passwords and encryption to protect the data we collected. While we see the importance of getting consent in a separate way in the future, our survey didn't cause any harm because we were clear about what we were doing and didn't collect personal details. This shows we're serious about ethical standards. Moving forward, we'll make sure to explain things clearly and follow stricter consent rules in our future research.

# 2. Part 2

- 2.1 Data Collection and Analysis
- 2.1.1. Descriptive Analysis
- 2.1.2 Demographic Statistics

Table 2. Gender

					Cumulative
		Frequency	Percent	Valid Percent	Percent
Valid	Female	119	56.4	56.4	56.4
	Male	89	42.2	42.2	98.6
	Prefer not to say	3	1.4	1.4	100.0
	Total	211	100.0	100.0	

Source: SPSS.

The study provides data that demonstrates the distribution of respondents by gender. With a frequency of 119, 56.4% of the 211 people surveyed identified as females. In contrast, 89 people (or 42.2% of the total) identified as male. Three people, or 1.4% of the total, chose not to reveal their gender. Looking at the total proportion, we can see that 98.6% of those who took the survey identified as male or female; 1.4% chose not to say.

**Table 3. Education** 

					Cumulative
		Frequency	Percent	Valid Percent	Percent
Valid	Graduate	61	28.9	28.9	28.9
	Graduate, Post-graduate	1	.5	.5	29.4
	Post-graduate	43	20.4	20.4	49.8
	Undergraduate	104	49.3	49.3	99.1
	Undergraduate, Graduate	1	.5	.5	99.5
	Undergraduate, Post-graduate	1	.5	.5	100.0
	Total	211	100.0	100.0	

Source: SPSS.

Table 2 displays the respondents' educational backgrounds based on the data supplied. With 104 out of 211 respondents possessing an undergraduate degree, 49.3% of the total were in the education bracket. Be that as it may, 61 people (or 28.9% of the total) reported having a graduate degree. Forty-three

people, or 20.4% of the total, reported having post-graduate degrees. Furthermore, a tiny percentage of respondents (.5%) claimed to have a mix of educational degrees, such as a graduate with post-graduate or an undergraduate with graduate credentials.

Table 4. Age

					Cumulative
		Frequency	Percent	Valid Percent	Percent
Valid	18 – 25 years old	123	58.3	58.3	58.3
	26-30 years old	19	9.0	9.0	67.3
	29-39 years old	50	23.7	23.7	91.0
	40 years old and above	19	9.0	9.0	100.0
	Total	211	100.0	100.0	

Source: SPSS.

Based on the responses, we can see that respondents were mostly between the ages of 18 and 25, 26–30, 31–39, and 40 and higher (Table 3). According to the results, 123 people (or 58.3% of the entire sample) are between the ages of 18 and 25, making up the biggest demographic of responders. Afterward, 9.0% of the total, or 19 people, are in the 26–30 age bracket, and almost a quarter, or 23.7%, are in the 29–39 age bracket, with 50 people making up this group. Similarly, there are nineteen people (or 9.0% of the total) who are forty years old or older. More over two-thirds of the respondents (67.3%) are under the age of 30, and almost all (91.0%) are under the age of 39.

**Table 5. Working Hours** 

					Cumulative
		Frequency	Percent	Valid Percent	Percent
Valid	10-12 Hours	15	7.1	7.1	7.1
	7-8 Hours	107	50.7	50.7	57.8
	8-9 Hours	51	24.2	24.2	82.0
	9-10 Hours	29	13.7	13.7	95.7
	More than 12 hours	9	4.3	4.3	100.0
	Total	211	100.0	100.0	

Source: SPSS.

The five categories of respondents' usual workweeks are shown in Table 4: 10-12 hours, 7-8 hours, 9-10 hours, and more than 12 hours. Statistical analysis revealed that 107 respondents, or 50.7% of the total, reported working for 7-8 hours. Then, 51 individuals, or 24.2% of the total, reported working 8 to

9 hours daily. Thirteen persons, or 7.1% of the total, reported working for 10-12 hours, while thirty-nine, or 13.7%, reported working for 9-10 hours. On top of that, nine individuals (4.3% of the total) reported working above 12 hours daily. Many individuals work 8 hours or less (57.8%), 82.0 percent work 9 hours or fewer, and 95.7 percent work 10 hours or fewer, as seen in the total percentage column. Conversely, only 4.3% of workers put in shifts over 12 hours.

Table 6. Job Nature

					Cumulative
		Frequency	Percent	Valid Percent	Percent
Valid	Field Work	45	21.3	21.3	21.3
	Managerial	32	15.2	15.2	36.5
	Office Work	82	38.9	38.9	75.4
	Staff	31	14.7	14.7	90.0
	Technical	21	10.0	10.0	100.0
	Total	211	100.0	100.0	

Source: SPSS.

Table 5 provides insights into the distribution of job natures among respondents, categorized into five groups: Field Work, Managerial, Office Work, Staff, and Technical. The data reveals that the largest proportion of respondents, constituting 38.9%, are engaged in office work, with 82 individuals in this category. Following this, 21.3% of respondents reported being involved in field work, with 45 individuals engaged in such roles. Of the responders, 15.2% (or 32 people) hold managerial roles, and 14.7% (or 31 people) work as staff members. Additionally, a smaller proportion of respondents, 10.0%, reported having technical roles, with 21 individuals in this category. The cumulative percentage column indicates that 75.4% of respondents are involved in either office work, staff, or technical roles, while 90.0% are engaged in managerial roles or below.

# 2.2.1 Workplace Stress

**Table 7. Workplace Stress** 

	N	Minimum	Maximum	Mean	Std. Deviation
I am discouraged about my work.	211	1	5	3.18	1.088
I feel many things are beyond my	211	1	5	2.77	1.058
control and ability while working					
from home.					
I feel unable to get out from my work	211	1	5	2.75	.955
during working from home.					

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I feel like giving up on work during	211	1	5	2.86	.988	
working from home.						
Valid N (listwise)	211					

Source: SPSS.

Using a scale from 1 (strongly agree) to 5 (strongly disagree), the supplied data analyzes workplace stress among respondents for four statements pertaining to their experiences working remotely. The average score was 3.18, indicating that respondents were somewhat discouraged about their employment. It seems that they were on the fence about the idea of being discouraged. Also, while working remotely, the average score of 2.77 suggests that people prefer to disagree with the idea that there are a lot of things that are beyond their control and abilities. Respondents gave their ability to step back from work when working from home a mean score of 2.75, indicating a significant disagreement. In addition, those who work remotely are somewhat more likely to disagree with the statement "I feel like giving up on work" (mean score of 2.86).

2.2.2 Flexible Working Arrangements

**Table 8. Flexible Working Arrangements** 

	N	Minimum	Maximum	Mean	Std. Deviation
Flexible work arrangements are an	211	1	5	2.19	.751
important benefit that accounting majors					
use to select the firm they plan to work for.					
Flexible work arrangements generally	211	1	5	2.13	.603
enhance morale and improve the quality of					
work life for those involved.					
Flexible work arrangements are a women's	211	1	5	2.97	1.066
issue; most men don't want or need these					
options.					
Valid N (listwise)	211				

Source: SPSS.

The average score given by respondents regarding the significance of flexible work arrangements was 2.19, indicating a tendency towards agreement but not strong agreement. Extremely consistent responses from the participants are demonstrated by the low standard deviation of 0.751. Respondents gave flexible work arrangements an average score of 2.13 out of 5 for raising morale and bettering work-life balance. With a standard deviation of just 0.603, it seems that most people have the same opinion. With a mean score of 2.97, respondents generally agreed that flexible work arrangements are

more of a problem for women than males. This statement seems to have a larger level of response variability than the others, as shown by the higher standard deviation of 1.066.

# 2.2.3 Work from Home Productivity

**Table 9. Working from Home Productivity** 

	N	Minimum	Maximum	Mean	Std. Deviation
I am very productive while working from	211	1	5	2.55	1.015
home.					
I can concentrate on getting work done	211	1	5	2.69	1.072
even when there are distractions from					
family members during working from					
home.					
Working from home motivates me to work	211	1	5	2.73	1.067
better.					
I receive technical assistance from my	211	1	5	2.65	.893
workplace in completing work during					
working from home					
Valid N (listwise)	211				

Source: SPSS.

Using a strong disagreement rating of 1 to a strong agreement scale of 5, respondents' views of productivity and assistance when working from home are shown in the table. The average response from those who have worked from home on their own productivity was 2.55, suggesting some disagreement but not outright severe disagreement. Along similar lines, they gave themselves a 2.69 (skewed toward disagreement) for their ability to focus on work despite interruptions from loved ones. With an average score of 2.73 on the desire to perform better when working from home survey, we can see a tendency of disagreement, but not a significant one. Also, respondents gave their workplace's technical support for remote work a mean score of 2.65 out of 5, suggesting some dissatisfaction but not outright significant disagreement.

# 2.2.4 Supervisor & Coworker Support

Table 10. Supervisor & Coworker Support

	N	Minimum	Maximum	Mean	Std. Deviation

My supervisor is understanding when I have	211	1	5	2.41	.913
personal or family problems which interfere with					
my work.					
My supervisor is helpful when I have a personal	211	2	5	2.46	.715
emergency.					
My supervisor is concerned about me as a person.	211	1	5	2.63	.954
My co-workers encourage each other when	211	2	5	2.50	.662
someone feels down.					
My co-workers try to act like peacemakers when	211	2	5	2.64	.669
there are disagreements.					
My co-workers willingly share their expertise with	211	1	5	2.43	.827
each other.					

211

Advances in Social Science and Culture

Vol. 6 No. 3, 2024

Source: SPSS.

Valid N (listwise)

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From 1 (strongly agree) to 5 (strongly disagree), across six categories, the table sheds light on how respondents perceived the level of support from their supervisors and coworkers. When asked how well their supervisor understood when their personal or family issues got in the way of work, most respondents gave it a moderate rating of 2.41. They also indicated a comparable amount of perceived assistance when they assessed their supervisor's helpfulness during personal situations as 2.46. On top of that, with an average score of 2.63, respondents indicated a modest degree of perceived worry about their supervisor's care for them as an individual. On average, respondents gave their colleagues a 2.50 for encouraging them when circumstances became difficult and a 2.64 for being ready to mediate conflicts, indicating modest levels of support from coworkers in these areas. On top of that, they gave a 2.43 for their coworkers' readiness to share information, which suggests a reasonable amount of support for sharing expertise between colleagues.

# 2.2.5 Work-Life Balance

Table 11. Work-Life Balance

	N	Minimum	Maximum	Mean	Std. Deviation
Time for hobbies is difficult for me	211	1	5	2.56	.984
Do you ever miss out any quality time	211	1	5	2.86	1.014
with your family or your friends because					
of pressure of work?					
Forgetting work issues is hard to do	211	1	5	2.59	.887
I have to take work home most evening	211	1	5	2.92	1.013

	N	Minimum	Maximum	Mean	Std. Deviation
Time for hobbies is difficult for me	211	1	5	2.56	.984
Do you ever miss out any quality time	211	1	5	2.86	1.014
with your family or your friends because					
of pressure of work?					
Forgetting work issues is hard to do	211	1	5	2.59	.887
I have to take work home most evening		1	5	2.92	1.013
Valid N (listwise)	211				

Source: SPSS.

Respondents, on average, rated the difficulty of allocating time for hobbies as 2.56, suggesting moderate challenges in finding time for personal interests. Additionally, they rated the extent to which they miss quality time with family or friends due to work pressure as 2.86, indicating a tendency towards agreement with this statement.

Moreover, respondents rated the difficulty of forgetting work issues as 2.59, suggesting some challenges in mentally disengaging from work. Lastly, they rated the frequency of needing to take work home in the evenings as 2.92, indicating a moderate level of agreement with this statement.

2.3 Reliability Analysis

Table 12. Reliability Analysis

	Cronbach
	Alpha
Work Life Balance	.708
Workplace Stress	.539
Flexible Working	.771
Arrangements	
Work From Home	.642
Productivity	
Supervisor Coworker Support	.746

Source: SPSS.

The table presents Cronbach's alpha coefficients for various constructs, which assess the internal consistency or reliability of scales used to measure each construct.

**WLB**: The Cronbach's alpha coefficient for the WLB scale is .708, indicating moderate internal consistency among the items assessing this construct.

Workplace Stress: The workplace stress scale displays an alpha of Cronbach's coefficient of .539,

suggesting relatively lower internal consistency among its items.

**Flexible Working Arrangements**: The flexible working arrangements scale shows a Cronbach's alpha coefficient of .771, suggesting good internal consistency among its items.

**Work From Home Productivity**: For the work from home productivity scale, the Cronbach's alpha coefficient is .642, indicating moderate internal consistency among its items.

**Supervisor Coworker Support**: The supervisor coworker support scale demonstrates a Cronbach's alpha coefficient of .746, suggesting good internal consistency among its items.

Overall, constructs such as work-life balance, flexible working arrangements, and supervisor coworker support exhibit relatively higher internal consistency, while the workplace stress scale shows lower consistency. Improvements in the measurement items for workplace stress may enhance its internal reliability.

# 2.4 Pearson Correlations

**Table 13. Pearson Correlations** 

			Flexible	Work From	Supervisor	
		Workplace	Working	Home	Coworker	Work Life
		Stress A	Arrangements	Productivity	Support	Balance
Workplace Stress	Pearson	1	601**	439**	516**	525**
	Correlation					
	Sig. (2-tailed)		.000	.000	.000	.000
	N	211	211	211	211	211
Flexible Working	Pearson	.601**	1	.618**	.736**	642**
Arrangements	Correlation					
	Sig. (2-tailed)	.000		.000	.000	.000
	N	211	211	211	211	211
Work From Home	Pearson	.439**	.618**	1	.618**	629**
Productivity	Correlation					
	Sig. (2-tailed)	.000	.000		.000	.000
	N	211	211	211	211	211
Supervisor	Pearson	.516**	.736**	.618**	1	663**
Coworker Support	Correlation					
	Sig. (2-tailed)	.000	.000	.000		.000
	N	211	211	211	211	211
Work Life Balance	Pearson	525**	.642**	.629**	.663**	1
	Correlation					
	Sig. (2-tailed)	.000	.000	.000	.000	

N	211	211	211	211	211

\*\*. Correlation is significant at the 0.01 level

Source: SPSS.

The Table displays the Pearson correlation coefficients between several dimensions, such as work-life balance, supervisor-coworker support, work-from-home productivity, flexible working arrangements, and workplace stress. The analysis that focuses on work-life balance is as follows:

A strong negative relationship (r = -0.525, p < 0.01) exists between workplace stress and work-life balance. This suggests that a decline in work-life balance is associated with elevated levels of workplace stress. Higher levels of occupational stress are correlated with a weaker work-life balance.

There is a strong positive correlation (r = 0.642, p < 0.01) between flexible work arrangements and work-life balance. It appears that when flexible work arrangements proliferate, work-life balance tends to get better. Increased job flexibility is associated with a better work-life balance.

When working from home, there is a positive association between productivity and work-life balance. (r = 0.629, p < 0.01). This suggests that a better work-life balance is connected with increased productivity while working from home.

Positive correlations have been found between work-life balance and supervisor colleague support. (r = 0.663, p < 0.01). This provides further evidence that a healthy work-life balance is linked to encouragement from superiors and peers.

- 2.5 Regression Analysis
- 2.5.1 Regression One

Table 14. Workplace Stress and Work-Life Balance Regression

Model Summary									
			Adjusted R	Std. Error of the					
Model	R	R Square	Square	Estimate					
1	.525ª	.275	.272	.63583					

a. Predictors: (Constant), Workplace Stress

	$\mathbf{ANOVA^b}$										
Model		Sum of Squares	df	Mean Square	F	Sig.					
1	Regression	32.086	1	32.086	79.367	.000ª					
	Residual	84.494	209	.404							
	Total	116.581	210								

a. Predictors: (Constant), Workplace Stress

b. Dependent Variable: Work Life Balance

	Coefficients <sup>a</sup>									
				Standardized						
		Unstandardize	d Coefficients	Coefficients						
Model		В	Std. Error	Beta	T	Sig.				
1	(Constant)	1.398	.189		7.395	.000				
	Workplace Stress	506	.057	525	-8.909	.000				
a. Dep	. Dependent Variable: "Work Life Balance"									

Source: SPSS.

Table 13 displays the results of a regression study that looks at how stress in the workplace relates to the concept of WLB. Based on the model summary and the R-squared value of 275, workplace stress is the predictor variable that explains 27.5% of the variation in WLB. Accounting for the number of factors in the model, workplace stress explains roughly 27.2% of the variation in work-life balance, according to the modified R-squared value of 272. The standard error of the estimate, 0.63583, indicates the average deviation of the observed values from the regression line. Workplace stress is a major predictor of work-life balance, as shown by the statistically significant regression model (F = 279.367, p < 2001) in the ANOVA Table.

According to the coefficients table, there is a considerable negative correlation between workplace stress and WLB (Beta = -.525, p <.001). Workplace stress is inversely connected with work-life balance, according to this evidence. Beta, the standardized coefficient, is -.525, which shows how strong and in what direction this association is. Moreover, the constant term in the model (B = 1.398, p <.001) represents the projected mean score for WLB in the absence of workplace stress.

# 2.5.2 Regression Two

Table 15. Supervisor Support Moderates the Relationship between Work Stress and Work-Life Balance

Model Summary								
Adjusted R Std. Error of the								
Model	R	R Square	Square	Estimate				
1	.711ª	.506	.501	.52631				
D 1' 4	(C )	A) MIC COD I	Wl1 C4					

a. Predictors: (Constant), WS SCP, Workplace Stress

	ANOVAb										
Model		Sum of Squares	df	Mean Square	F	Sig.					
1	Regression	58.964	2	29.482	106.431	.000a					
	Residual	57.617	208	.277							
	Total	116.581	210								

Model Summary						
Adjusted R Std. Error of						
Model	R	R Square	Square	Estimate		
1	.525ª	.275	.272	.63583		

a. Predictors: (Constant), WS SCP, Workplace Stress

b. Dependent Variable: Work Life Balance

	Coefficients <sup>a</sup>								
				Standardized					
		Unstandardized Coefficients		Coefficients					
Model		В	Std. Error	Beta	t	Sig.			
1	(Constant)	2.162	.175		12.379	.000			
	Workplace Stress	126	.080	131	-1.589	.114			
	WS x SCP	.135	.014	.813	9.850	.000			

a. Dependent Variable: Work Life Balance

Source: SPSS.

With an R-squared value of.506, the model summary shows that the predictors, workplace stress and supervisor support (WS SCP), explain 50.6% of the variation in work-life balance. With a modified R-squared value of.501, we may deduce that the number of predictors accounts for about 50.1% of the variation in WLB. With a value of 0.52631, The amount that the observed data normally depart from the regression line is displayed by the standard error of the estimate.

The ANOVA table reveals a statistically significant regression model (F = 106.431, p < .001), indicating that workplace stress and supervisor support together have a considerable predictive power for work-life balance.

Workplace stress is not a significant predictor of WLB (Beta = -.131, p =.114), according to the coefficients table. However, there is a substantial positive correlation between WLB and the interaction term "WS x SCP" (supervisor support multiplied by workplace stress; beta =.813, p <.001). This suggests that having a supportive supervisor mediates the connection between stress at work and maintaining a healthy work-life balance. Moreover, the constant term in the model (B = 2.162, p <.001) represents the projected mean work-life balance score when both workplace stress and supervisor support are set to zero.

All things considered; the results show that having a supportive supervisor lessens the impact of stress on WLB. When employees feel more support from their supervisors, it helps to mitigate the negative effects of stress at work on their work-life balance. This emphasizes how important it is to have supportive leadership in order to lessen the detrimental effects of workplace stress on employees' ability to maintain a good WLB.

# 2.5.3 Regression Three

Table 16. Work from Home Mediates the Relationship between Workplace Stress and Work Life Balance

Model Summary						
Adjusted R Std. Error of the						
Model	R	R Square	Square	Estimate		
1	.687ª	.472	.467	.54411		

a. Predictors: (Constant), Work from Home Productivity, Workplace Stress

	ANOVA <sup>b</sup>									
Model		Sum of Squares	df	Mean Square	F	Sig.				
1	Regression	55.001	2	27.500	92.888	.000a				
	Residual	61.580	208	.296						
	Total	116.581	210							

a. Predictors: (Constant), Work from Home Productivity, Workplace Stress

b. Dependent Variable: Work Life Balance

Coefficients <sup>a</sup>									
				Standardized					
		Unstandard	lized Coefficients	Coefficients					
Model		В	Std. Error	Beta	t	Sig.			
1	(Constant)	.863	.173		4.995	.000			
	Workplace Stress	297	.054	308	-5.494	.000			
	Work From Home	.406	.046	.493	8.798	.000			
	Productivity								
a. Dep	endent Variable: Work Life B	alance	'	'					

Source: SPSS.

The Model Summary Table's regression analysis looks into the connection between office stress, work-from-home productivity, and how these factors affect work-life balance.

Together, the predictors of work-from-home productivity and office stress explain for 47.2% of the variance in work-life balance, as indicated by the R-squared score of 472. The adjusted R-squared value of 467 indicates that roughly 46.7% of the variance in work-life balance is explained after adjusting for the number of factors. The average deviation of the observed values from the regression line is indicated by the standard error of the estimate, which is 0.54411.

The findings of the ANOVA demonstrate that the regression model is statistically significant (F = 27.500, p < .001), suggesting that work-life balance is significantly predicted by the combination of

workplace stress and productivity from home. The regression's sum of squares is 55.001, indicating that the independent variables—work-from-home productivity and office stress—explain the variability of the dependent variable, work-life balance.

Regarding coefficients, the constant term in the model (B=0.863) represents the estimated mean work-life balance score when work-from-home productivity and workplace stress are both zero. Workplace stress has a negative coefficient (B=-0.297), implying that a poorer work-life balance is linked to higher levels of workplace stress. Conversely, work-from-home productivity has a positive coefficient (B=0.406), indicating that higher levels of work-from-home productivity are associated with better work-life balance.

# 2.5.4 Regression Four

Stress

Table 17. Flexible Working Arrangements Mediates the Relationship between Work Stress and Work Life Balance

Model Summary						
	Adjusted R Std. Error o					
Model	R	R Square	Square	Estimate		
1	.665ª	.442	.437	.55912		

a. Predictors: (Constant), Flexible Working Arrangements, Workplace

$\mathbf{ANOVA^b}$								
Model		Sum of Squares Df Mean Squa		Mean Square	F	Sig.		
1	Regression	51.557	2	25.778	82.460	.000		
	Residual	65.024	208	.313				
	Total	116.581	210					

a. Predictors: (Constant), Flexible Working Arrangements, Workplace Stress

b. Dependent Variable: Work Life Balance

		Coef	fficients <sup>a</sup>			
				Standardized		
		Unstandardize	d Coefficients	Coefficients		
Model		В	Std. Error	Beta	t	Sig.
1	(Constant)	.965	.175		5.516	.000
	Workplace Stress	.209	.062	.217	3.353	.001
	Flexible Working	.476	.060	.511	7.892	.000
	Arrangements					
a. Dep	pendent Variable: Work Life	Balance			'	

Source: SPSS.

Table 16's regression analysis looks into the role that flexible work schedules play as a mediator in the relationship between work-life balance and workplace stress.

The.442 R-squared value shows that the predictors—flexible work schedules and workplace stress—account for 44.2% of the variation in work-life balance. After adjusting for the number of predictors, the adjusted R-squared value of.437 indicates that 43.7% of the variation in work-life balance can be explained. The average departure of the observed values from the regression line is represented by the standard error of the estimate, which is 0.55912.

Work-life balance is substantially predicted by the combination of workplace stress and flexible working options, according to the statistically significant regression model (F = 82.460, p < .001). Work-life balance is the dependent variable, and the regression's sum of squares, or 51.557, shows how the independent variables explain variation in this measure (Workplace stress and flexible employment arrangements).

In terms of coefficients, the constant term in the model (B = 0.965) represents the estimated mean work-life balance score when flexible working arrangements and workplace stress are both zero. Workplace stress has a positive coefficient (B = 0.209, p = .001), suggesting that a better work-life balance is linked to higher levels of workplace stress. Additionally, flexible work schedules have a positive coefficient (B = 0.476, p < .001), suggesting that higher levels of flexible working arrangements are associated with higher work-life balance. The standardized coefficient (Beta) for flexible working arrangements is 0.511, indicating its stronger influence on work-life balance compared to workplace stress (Beta = 0.217).

Comparing these results with the previous regression analysis, the mediation effect of flexible working arrangements is evident in the change in beta coefficients. Workplace stress had a higher direct impact on work-life balance in the prior regression analysis (Beta = -0.506), but this mediation model shows that the effect of workplace stress on work-life balance is less pronounced (Beta = 0.209). This attenuation suggests that flexible work schedules are more beneficial to work-life balance and that the relationship between workplace stress and work-life balance is somewhat mitigated. Thus, although work-life balance is still impacted by workplace stress, this effect is lessened when flexible working arrangements are available, suggesting that flexible working arrangements have a mediating function in this interaction.

# 2.6 Conclusion and Recommendation

The analysis of the data collected on workplace stress, work-from-home productivity, flexible working arrangements, and WLB among employees provides valuable insights into the dynamics of modern work environments. Key findings from the study reveal significant relationships between these variables, illuminating the elements that affect work-life balance and employee well-being.

Recommendations stemming from these insights include prioritizing supportive leadership practices to mitigate the negative impact of workplace stress, promoting flexible working arrangements to

accommodate diverse employee needs, enhancing work-from-home productivity through support and resources, fostering peer and supervisor support to create a supportive work environment, and continuing to measure and improve these factors through regular assessments and adjustments to policies and practices.

Employers may prioritize employee well-being and encourage a healthy work-life balance by putting these suggestions into practice and creating a welcoming and adaptable work environment that eventually benefits both the company and its employees.

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