# Evaluating the Effect of Future Workplace and Estimating the Interaction Effect of Remote Working on Job Stress

Dr. Emil Joseph[*]

*Assistant Professor, St. Joseph's College of Commerce (Autonomous), Bengaluru, Karnataka, India.*
*Corresponding Author Email: emiljoseph333@gmail.com[*]*

## ABSTRACT

This study examines the impact of remote work on employees' work pressure; the test between the subject impacts is considered monumental. The immediate impact of teleworking and telecommuting is considered lacking. The two factors show a close impartial enlightening measurement, proposing that the feeling of anxiety of the evaluated worker isn't much higher or lower regardless. Subject impact values can't represent this impact. As a general rule, work lament and telecommuting somewhat lessen work pressure; however, the connection impact of the two factors is viewed as improper in light of the information gathered; estimation looks at and assesses the impact of Coronavirus-19 Circumstances regarding labourers' feelings of anxiety The variables examined are pre-coronavirus and post-coronavirus. The crate test shows that the information is reasonable for estimation. The multivariate test assesses the changes described by the adjustment of working environment conditions as huge. The Mauchly test likewise decides the orthonormalized change of the reliant variable because of progress and is viewed as huge. The Levene test affirms the significance of the autonomous component in the entire gathering and is additionally observed to be huge. There is no fundamental or logical technique to anticipate and evaluate the work environment that represents what is to come. However, we can expect the new changes in how work is viewed and mechanical changes worldwide will shape what is to come. A shift in mindset is observed in the way organizations and agents know the value of the work environment and pay little attention to the area. The work environment must not be a work area, housing or office; it may not exist. It may be more function-oriented as employees can work from anywhere, anytime, using today's tools and technology. An empathetic workspace model allows sales reps to choose their preferred workspace, whether onsite, remote or blended and can posit that more associations should embrace emerging developments to open more doors for their groups to connect with essentials with undeniable versatility-a working environment in which the exercises in the virtual world take place.

**Keywords:** Remote working; Work from home; Alternative workplace; Commodification; Mechanization on jobs; Job Stress; Work pressure; Telecommuting; COVID-19 impact; Empathetic workspace model.

## 1. Introduction

**The future computerized working environment incorporates advanced physical and human components**

The advanced work environment of the future will have intersections and blends between the three parts of the work environment: computerized, physical and human. The work environment of the future will focus on leveraging innovation to empower people to perform, collaborate and solve problems, leading to efficiency gains and augmented efficiencies. Recent developments will also help to keep up with Internet literacy preparation and improvement programs, learning levels, and online courses hosted by organizations. In any case, when it comes to tricky skills, sales reps will want to rehearse their presentations or public speaking with the help of low-level helpers who provide quality feedback on their performance.

Human workers will blend in with computerized ones in the work environment, representing things to come. Such advanced empowerment will enable future efforts to change and smooth processes to evolve execution and profitability further (Alexander 2021). Telecommuters have had a lousy position in the past.

Many companies feared that their salespeople would quickly become distracted from working at home, and their managers couldn't keep up with their instant reports. Ten years ago, remote work was pretty extraordinary. Teleworking was typically only available on an ad hoc basis to help families.

On the other hand, the innovation of video chat and remote work is so advanced that some organizations can thrive with fully remote groups. In fact, companies often allow their sales reps to work remotely more than once a week. Remote working can also help prevent the spread of disease, save businesses money and protect overall well-being. For example, the coronavirus outbreak prompted many companies to implement a remote engagement model for all employees to limit the spread of Covid. To assess the feasibility of mail-order innovation and remote work, let's look at the historical context of remote work, the current state of the workforce, and expectations about the fate of remote work. There was a time when remote work wasn't such a great opportunity for us due to mechanical barriers.

## 1.1. Objectives of the Study

(i) To evaluate the interaction effect of remote working on job stress. (ii) To find the difference in job stress at pre and post-Covid working conditions. (iii) Examine the differential impact of remote work on employee work pressure before and after the COVID-19 pandemic. (iv) Analyze the effectiveness of telecommuting in reducing employee stress levels compared to traditional office settings. (v) Evaluate the role of organizational policies and support systems in facilitating effective remote work environments. (vi) Investigate future workplace trends and the potential for empathetic workspace models to enhance employee well-being and productivity.

## 2. Reimaging the Workplace

### 2.1. The hybrid workforce is here to stay

According to a new study, as pandemic limitations end, 82% of organizations are arranging a mixture approach that will permit their workers to enter the workplace three days a week. That is extraordinary information for laborers, who report higher efficiency and occupation fulfillment when their plans for getting work done are more adaptable.

### 2.2. Offices need to be reconfigured

Organizations revealed that over 33% of their work areas were unused on some lucky day even before the pandemic. That number will probably ascend as the half-and-half labor force grabs hold. This permits organizations to reconfigure their space such that it checks out in a post-pandemic world. Obliging an ever-increasing number of individuals will not be the objective.

### 2.3. Technology needs to keep up

Telephone calls won't do the trick Companies require innovation that permits us to team up with colleagues, regardless of whether they are spread across the globe. What will the work environment resemble in 2021, then, some Stuffed meeting rooms will probably turn into a relic of days gone by. All things being equal, there will be a lot more normal regions with furniture that can be effectively improved to address the issues of different groups. Consider a group of agreeable seats where individuals from other groups can accumulate for a fast gathering. As workers invest less energy in the workplace, appointed work areas will become more uncommon. Hot work areas will supplant them that representatives can hold in front of time, and innovation will be available all over the

place, from the entry (temperature screening, as Coronavirus, stays a worry) to the cafeteria (with video separating the corners so you can eat with a partner who telecommutes).

## 2.4. Virtual receptionists

When your guest shows up, they will involve a touchscreen in the entryway to check in and will get an alarm on the cell phone and be prepared to welcome them when they leave the lift. Elo's I-Series touchscreens are intended for use in a bustling office setting.

## 3. Preparing Employees for Future Workplace

Order various projects and preparation courses to help them improve their knowledge and skills. You have to convince them that such projects work on their knowledge and prepare them for what is to come. Assuming that it's the job to email employees to educate them about readiness, you're sadly confused. The representatives will spontaneously prepare programs and, in such cases, always check their participation. Ensure that the preparation of the programs is relevant and impacts your profession.

Managers must ensure sales reps benefit from the speaker/mentor's experience as much as possible. The coach's resume must be unique; if not, the crowd sits just for the sake of sitting. Try not to let everyone in the world train the employees. No one but the employee knows what additional skills and information would help them perform better. Bosses have to oversee the exhibition of their peers. Could you give them the right criticism? Remember that preparing for what lies ahead does not mean that the singular disappears; it means that the person becomes a resource for the organization.

In addition, every association's ethical obligation is to ensure the improvement of all associated with it. Encourage your employees to foster a willingness to understand. Rather than spending all day on Facebook and Twitter, it is always convenient for them to check out various outlets that adequately inform them of the latest developments and forthcoming twists or changes in their respective fields. Sales reps will often do what their bosses do. Be a good example for the members of your group. They would benefit from their mistakes. After a year, have them treated as part of a group. Remember that it is difficult to handle a group and inspire them to work together.

## 4. Pursuit of Shaping and Designing Future Workplace

The inevitable shift to remote working during the coronavirus pandemic has raised several concerns about the ultimate fate of work. According to a new Microsoft study of 31,000 workers in 31 countries, 52% of salespeople are fairly or very likely to prefer crossover or remote work in the coming year, and 53% are being forced to focus on their wealth more than before the pandemic. The discernments and working meetings of the people have moved decisively in the last two years.

Additionally, what type of work schedule best promotes value, prosperity and opportunity for workers in the future? By looking at the elements of remote work through different focal points, we can understand how various meetings might deal with this workplace shift. As the research shows, remote and cross-work models have worked in the existence of numerous specialists but have also been associated with labor penalties, work-family struggles,

extended pressures, and other emotional well-being challenges, particularly for people who face inequalities from now on. Many of these obstacles stem from prejudice, generalizations, and normal practices encompass paid work and sloppy work, as opposed to everything inherent to remote work. This report summarizes key exploration discoveries such as: Public and authoritative agreements addressing gender structures must be combined with remote work strategies. Such designs encourage work-life struggles and emotional issues for guardians who work remotely. Adequate childcare, satisfying paid family leave, and various customizable work opportunities can help promote more populist families and connections.

Approaches that remove the shame associated with remote work benefit both professionals and associations by expanding worker inspiration and practice. Interesting for people of all genders and bases. Office workspaces and work settings can be modified to enforce different types of work. According to research, some work practices and schedules (i.e. the most common business plans) make remote work and adaptive work strategies more open than others. Flexible work shaming can also be reduced by making data available on the Internet and providing opportunities for half-and-half teamwork and remote work by representatives. Correspondence with all representatives to ensure workers understand they no longer have to work hours at home and to take control away from workers. Remote work requirements will have little impact on the environmental emergency unless coupled with other fixed policies, such as metropolitan areas.

## 5. Government and Other Institutions Approach to Future Workplace

Recently there has been an explosion of distributions about the ultimate goal of the work. Many of them adopt the tone of a playwright and imagine a tragic future without work; others highlight our experiences in connection with innovation to show our ability to continue to create new professions and ventures for people. This paper delves into the discussion by examining recent research on the impact of artificial intelligence and advanced mechanics on labor markets. It calculates an increase in the rate of ongoing labor market change that is now affecting society, polarizing political debate and undermining a system of majority rule in many countries.

The core segment focuses on fostering a process that builds professional and business diversity while expanding job creation. Many studies, events, books and articles in newspapers and through virtual entertainment focus on the future of work. Most accept that the world is almost an extraordinary business emergency. Humans will be replaced by increasingly smart, competent and cunning robots, chatbots and calculations that will carry out our tasks. Others, however, seek clues to what is to come and motivations for hope in the world of human experience: Since the modern ups and downs, people have had the opportunity to find ventures and pursuits that allow us to continue functioning while also fitting with technology.

This article delves into this discussion and looks for clues to the future by looking at what has been happening in the labor market in light of new developments. From data presentation and advances in matching (ICT) in the 1980s to the dawn of the use of robots and computer reasoning (artificial intelligence) today, we can attract fascinating colleagues to explore the implications of the imminent modern-day insurgency that will occur, easier to understand when robots and artificial intelligence becomes more ubiquitous use.

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## 6. Some of the Significant Patterns that Will Shape the Future Working Environment of Organizations

### 6.1. Implementation of remote work

Although many companies have begun to return to "business as usual" in 2021, the new average will include salespeople working from home at least some of the time. According to Gartner, by the end of 2021, 51% of all general information workers will be working remotely. Additionally, telecommuters will account for 32% of all workers worldwide. Organizational pioneers worldwide anticipate that workers will need more private space and that organizations will likely reduce their jobs and land holdings. According to a CoreNet Worldwide report, 70% of companies will reduce their country footprint quickly. Even the workspace could be streamlined with customizable office furniture like a desk (Mehta, P. 2021), effectively portable workspaces, quiet workspaces, and other areas designated for group meetings and meeting projects.

### 6.2. Need to be given to worker wellbeing, cleanliness, and security

Organizations in all areas of business, except those known to be risky, must ensure the well-being and safety of their employees in the workplace post-pandemic. Working environment testing conventions, ventilation frames, temperature and identification frames, and disinfection equipment have become standard.

### 6.3. Organizations should reconsider and rethink work to coordinate individuals and machines

The pandemic has forced organizations to adopt more advanced and automated measures to meet functional and business needs. According to a McKinsey study, 85% of companies have accelerated their commitment to digitization, and 67% have accelerated using mechanization innovations and artificial intelligence to streamline processes. Some organizations have begun to computerize manual and redundant cycles that involve disparate information sources and separate frameworks to reduce bottlenecks and evolve KPIs (Toscano, F. 2021). Harmless advances such as human-made thinking (simulated intelligence), mechanical loop computerization (RPA), and intelligent robotization (AI) require minimal human intervention. Together they can help improve frameworks, cycles and activities when applied to manually escalated workflows and processes. The employees will not lose their positions through the increased use of innovation. They can be reassigned to use the more quality chance for life gains.

Organizations may seek to retrain them to prepare them for new roles and responsibilities rather than replace them. To increase prestige, the effectiveness of mechanical technology, artificial intelligence and emerging advances could be coupled with human efficiency.

### 6.4. Data-driven smart systems and tools

Sales reps need to ensure the correct information is accessible to Bright Frames to enable better decision-making for the future in a highly information-driven workplace. We will see more contextual and conversational tools that fit into work processes that typically use advanced simulated intelligence (Raju, 2021). These intelligent frameworks leverage prior information and options to isolate more accurate and applicable data for better independent direction.

## 7. Role of Management and Society in Preparing Employees for the Future

The dashboard is essential to helping sales reps prepare for what's to come. , must encourage employees to consider the present and what to expect. Make employees understand what it means to anticipate the future. It is essential to convince them that such projects work in their knowledge and prepare them for what lies ahead. Workers come spontaneously to devise programs and seal their participation in such cases. Please make sure the development of programs matters and impacts their calling. The supervisor must ensure that workers benefit as much as they can expect from the skills of the speaker/trainer. The coach's resume must be unique; if not, the crowd sits just for the sake of sitting (Garrote Sanchez, 2021). No one but the agent knows what additional skills and information would help perform better from now on.

Bosses must oversee the exhibition of their peers. Being prepared for what is to come does not mean that the singular disappears but that the person becomes a resource for the association. In addition, each association's ethical obligation is to ensure the professional development of all people close to it. Encourage employees to foster a willingness to understand. Instead of spending all day on Facebook and Twitter, it's reliably convenient for them to log on to various destinations that provide them with more than adequate information on the latest developments and upcoming twists or changes in their respective fields (Langstaff, 2022).

Employees will generally do what their bosses do. Set a good example for colleagues. Demand that the specialty group host a show once a month about what new shows and breakthroughs they are embracing and making their lives easier sooner rather than later. So they encourage them to visit related websites. ; Otherwise, they could never keep track of time. Give them extra commitments from time to time (Joubert, M, 2021). They will find out how to deal with stress in this way, which will help them later. , have to trust and value them. Allow them to make mistakes. Trust me; they will benefit from their mistakes. With the following group one year on the frame. Remember that it is difficult to deal with a group and inspire them to work together.

## 8. New Concepts and Latest Trends in Remote Work

Telecommuters had a horrible status previously. Numerous agencies had been concerned that their people could be quickly drawn off track at home, wherein their directors could not be careful with their instantaneous reports. Ten years prior, far-flung paintings changed into very unprecedented. Telecommuting changed into typically simply handy established upon the state of affairs to oblige families. Video chatting and telecommuting innovation, then again, have improved to wherein some agencies can flourish with completely far-flung groups. As a matter of fact, agencies habitually allow their employees to telecommute on multiple events consistently within a week (Smith, 2021).

Remote work can also help prevent the spread of disease, save businesses money and protect general well-being. For example, the coronavirus episode prompted many companies to adopt a remote support model for all workers to limit the spread of Covid. To examine the suitability of mail order innovation and remote work, let's look at the historical background of remote work, the current state of the workforce, and expectations about the fate of remote work.'

## 8.1. How remote work has evolved

At some point in the past, remote work wasn't a great opportunity for us due to mechanical barriers. When we were away from work, co-workers couldn't email, message or direct message. To conduct a business conversation would have expected to provide a different phone number, pager number, or even fax number. Even "remote" full-time jobs weren't what they are today. "Just a decade earlier, absence from work meant essentially a sales or customer service position with not the lowest legal salary," explained Samantha Lambert, director of human resources at web composition firm Blue Wellspring Media. "It was rarely combined with a regular job." Innovation today enables us to fulfill similar responsibilities no matter where we are. Allowed them to talk to colleagues or customers at any time. Video conferencing is one of the most valuable advances in enabling constant remote work (Novianti, 2021).

Office workers can see each other and progressively communicate anywhere there is an online connection, making it best for a close and face-to-face meeting. This capability would be inconceivable without the strong reception of the broadband network over the past 10 to 15 years (Langstaff, 2021). This innovation has progressed so rapidly that many organizations have abandoned traditional workspaces for collaborative spaces to squeeze their usually distant employees from the workforce. "Shared office space where remote employees can meet to work," Lambert understood, "has been created and is becoming even more accessible in several boroughs." "This alone reflects the increasing number of telecommuters in the years to come." In an emergency, such as a disaster or plague, remote work opens extraordinary doors. For example, as the Coronavirus, also known as Covid, is spreading rapidly across the planet, some workers are no longer able to complete their work obligations entirely from home can help ensure the overall well-being and the continued progress of the organization (Wardaningsih, 2021).

## 9. The State of Remote Work Today

Teleworking has become standard practice in many workplaces in the United States and worldwide as email and web access innovation continues to advance. This work isn't generally done from home: some telecommuters use coffee shops or communal spaces, and some even travel the world to pursue career goals. "Increasingly portable, collaborative dynamic, the advanced workforce is made up of diverse age groups, each with their matching inclinations," Stacey said. Epstein, Head Zinc. "These specialists come from different companies, each with their difficulties in staying together in the workplace (Marin, 2021). "However, many organizations have opposed this work pattern for various reasons. Some employers may be concerned about representative efficiency, while others may not have put resources into video chatting and remote work innovation to help teleworkers. Regardless Of these, numerous different organizations have done so. According to a study by Support, 75% of teleworkers played with teleworkers by adopting a work-from-home strategy for a few days a week, or as a particular case for a few sales reps, managers aren't responsible for the cost of the Internet, and 71% say their bosses don't pay for their employees' collaboration rooms. These numbers are significantly better than last year when 78% of organizations didn't pay for web costs, and 76% didn't pay for coop space. For many years, companies have silently adopted remote customization strategies (Sorensen, 2021). On the other hand, adopting a remote working

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strategy can save companies money by forgoing expensive office space (or satellite jobs) and give sales reps the ability to schedule their hours and work from wherever they need to be. It can be a win-win deal.

### 9.1. What the future might hold

According to Quick Organization, remote work scheduling, such as versatile work tools and augmented reality conferencing, will displace in-person meetings as the preferred method of correspondence. Artificial intelligence is likely to play an essential role in monitoring remote workers. These advances can give companies peace of mind. Transitioning to a remote workforce can be daunting, but a seamless cycle can happen quickly with the right innovation and engaged employees. In the long run, resisting change can do more harm than good. Many sales reps now expect the option to work remotely. According to Cradle, the vast majority of today's teleworkers want to work remotely, at least part of the time, until the end of their careers (Amran, 2021).

Additionally, according to the Global Work Environment Review, 37% of remote workers would accept a 10% pay rise to continue working remotely. Because of this evolving pattern, some people won't recognize nearby posts because they know they can find a more helpful and adaptive place—other employment. Organizations should continue to develop their arrangements and skills for remote working rather than resisting change. Lambert suggests creating standard KPIs for management and salespeople if the organization has efficiency and execution issues due to an enterprise-wide ability to work remotely. She says that the remote colleagues are, therefore, aware of the assumptions, and their Representation can be understood.

### 10. Dark Side of Future Workplaces

The destiny of labor may have a dark side. The pandemic's damaging outcomes may rebuild society — and now no longer inside the way we need. The wealthy will emerge as considerably extra affluent, whilst the middle and decreased lessons will confront critical economic and career challenges what researchers see as the ascent of innovatively progressed, Orwellian partnerships retaining a watch on the firms. There's a respectable possibility we are almost any other center-age feudalistic culture, as people are confined to the gig economy, provisional labor, and retirement due to a scarcity of options (Lingard, 2021). Laborers ought to manipulate sizeable stretches of underemployment and joblessness.

### 10.1. Returning to a Medieval Feudalistic Society

As the employment cutback emergency deteriorates and a massive variety of people frantically search for work, company leaders will collect a benefit. They will request a ton and may not need to compensate somewhat. Since there could be a protracted queue of people sitting tight for a task, supervisors will find it easy to terminate employees. Wages will stay determinedly low, and blessings could be deficient, given that management may not be concerned approximately looking for talent (Ullah, 2022). The international earlier than Coronavirus looks like an entire life prior. Before the episode, America had a record-excessive enterprise rate. They were there changed into a piece conflict going on. The tables have now been turned. There is an overflow of people looking for work. Partnerships are utilizing their muscles. The sample could be to supplant full-time, excellent long-lasting employees with self-hired entities, as Instacart, a tech organization, as of overdue did. Uber, Lyft, and many tech

groups rely intensely on gig people because they do not want to pay them compensation or deliver benefits, days off, or getaway days. These people are expendable and replaceable in their eyes. If this sample crosses at its constant rate, America will seem like a feudalistic center-age country.

A few very prosperous and sturdy oligarchs, for example, Jeff Bezos, will manipulate almost everything. They could be supported by a meeting of pinnacle prison counselors, bookkeepers, and supervisors. Then, at that point, there could be a massive pool of underclass people doing every one of the messy positions for low repayment to the detriment of their very own well-being.

## 10.2. The Rich Will Get Richer

The pandemic has exacerbated wealth and wage inequality. Online companies like Amazon, Google, Facebook, Netflix, Microsoft, Apple, and Zoom have done exceptionally well, and their executives and investors have been generously compensated. Various businesses such as inns, travel, friendship, airplanes, and physical retail purchases had ineffective results. We've seen a K-shaped recovery in which the rich have become incredibly wealthy. Wealthy people have accumulated unimaginable amounts of cash. For example, Elon Musk and Imprint Zuckerberg have joined the $100 billion club. This happens when many standard Americans have lost their jobs, and numerous families struggle to adjust.

Administrators who could telecommute generally performed well, while those in low-wage jobs could not underperform. The pattern of the rich persuading the most extravagant has all the hallmarks of the procedure. Meanwhile, private companies will continue to be crushed, and many will go out of business forever because they cannot compete with the web-based computing giants and will be forced to insure or cut their jobs. B. Facebook can win (Ringland, K. E, 2021). Workers at non-tech or hard-hit businesses like the neighborhood, airline, and retail stores will continue to fight.

## 10.3. Technology, Robots and Artificial Intelligence Will Take Away Millions of Jobs

According to the World Monetary Forum (WEF), "another age of intelligent machines, filled with rapid advances in artificial reasoning (human-made intelligence) and mechanical technology, could indeed displace much of the existing human position. According to the review, mechanical technology and simulated intelligence will cause a critical "double disruption" as the pandemic has pushed companies to accelerate the delivery of innovations to reduce costs, support efficiencies and become less dependent on real people (Gavrila, 2021). Many people have lost their jobs due to the coronavirus pandemic, and the WEF predicts machines will cut many more jobs. It's normal for the balance to move decidedly towards a 50/50 split. "While some new jobs would be created as before," the WEF expected, "the concern is that there may not be enough of them to go around, especially as the cost of intelligent machines falls over the long term and their capabilities increase.

People who don't have the skills, experience, education and fundamentals that organizations expect will be left behind later. Established specialists could give up, burn out, select themselves out of the workforce, and quit. Without the necessary machinery for progress, others may find themselves endlessly underemployed and subject to long periods of persistent Unemployment (Staempfli, 2021).

## 10.4. The Downside to the Work-from-Anywhere Trend

A scary downside to working from home is the rise of computer-controlled immigrants and the end of the territory-based compensation framework. Job seekers must contend with an increased rivalry. Until not long ago, applicants only engaged with others in their immediate vicinity seeking similar positions. Now they have to compete with countless candidates from all over the United States and possibly from different nations. Facebook's Mark Zuckerberg and Twitter's Jack Dorsey have stated that they will look everywhere for the ability. This methodology helps their organizations by allowing them to recruit the best people in the country from around the world (Narayanan, 2021). While job seekers can apply to organizations regardless of where they live, they have to deal with hundreds, if not thousands, of other job seekers. Some emerging patterns will shape the ultimate goal of the work. In light of its research and a top-down report from the U.S. Department of Labor, the Money Road Diary predicts there will be many lucrative and exciting open doors in these areas as the U.S. population ages and innovation remains overwhelming.

## 11. The Alternative Workplace: Changing Where and How People Work

On September 20, 1994, approximately 32,000 AT&T employees stayed home. They were not weakened or protested. They teleworked. A process involving 100,000 people included workers from the president to telephone administrators. Motivation? Examine how far a significant association could go to transform the work environment by shifting the job to the worker instead of the specialist to the position. Today, AT&T is just one of many organizations spearheading the Elective Work Environment (A.W.) a blend of modern work environments, settings and practices that are gradually improving the workplace. This is certainly not a fad. According to different estimates, between 30 and 40 million people in the U.S. are telecommuters or local workers. What drives bosses to study how salespeople use their energy at work? and where else could you work? The most apparent reason is to put cash aside (Madgavkar, 2021). Since about 1991, AT&T has set aside $550 million in cash flow (a 30% expansion) by closing jobs it doesn't usually need, merging others, and cutting the abovementioned costs. IBM saves more than $100 million yearly in its North American business and distribution unit through an A.W. program called Versatility Drive. Another explanation is the valuable opportunity to support the efficiency of the optional work environment, sales reps invest less in shared office hours and make significant additional investments in customers. A study by IBM Portability Drive officials found that they believe 87 their efficiency and viability have improved. According to American Express President and COO Kenneth I, the optional work environment can also give organizations an advantage by attracting and retaining talented and highly energetic employees (Ainsworth, 2022).

Chenault, AmEx's A.W. units help the organization have experienced employees who appreciate the ability to adapt to teleworking (Markovic, 2021). Finally, A.W. programs offer incredible opportunities to make the most of government endeavors and avoid costly comparisons. Numerous groups are relaxing the policy wording to allow more residents to set up workplaces. Additionally, organizations comply with the Clean Air Act requirements and avoid significant fines by implementing Territorial Workplace Methods that contain extensive portions of A.W. Finally, the scale of fees can be changed to allow more sales reps to deduct job costs. The advantages are apparent.

Be that as it may, A.W. programs don't make sense for everyone. Undoubtedly, such projects can be challenging to realize for associations that are best suited to them (Elbanna, 2022). The problem is overcoming ingrained behaviors and realistic obstacles. Also critical are the difficulties in monitoring social changes and framework updates required by an A.W. unit.

### 11.1. Managers who assume that the alternative workplace suits only road warriors in the sales force may be in for a surprise.

If a minimal number of business functions fail in an A.W. climate, the potential benefits may not be significant compared to the anticipated adventure and effort power would not believe in business; There are often more positions for an alternative way of working than appear conceivable at first glance. Dun and Bradstreet bosses, for example, initially accepted that only 5% of their global workforce could participate in an A.W. program but found that two-fifths of the organization's skills, including half of its employees, could be adjusted only slightly. Changes in working practice have never had a confidential office, so starting your career without one is not a challenging experience. However, many advocates see the shift from conventional to elective work environments as problematic (Zhang, 2022). Salespeople who work in an organized office climate may struggle to adjust to a largely independent schedule and those used to working close to numerous partners. You can feel devastated in a remote environment. Center administrators, losing visual and verbal proximity to their immediate reports, need to change how they work with these staff (Dillon, 2022). The center's leaders are usually the ones who put up the posters.

### 12. The Forces Shaping the Future

The destiny of work expects us to reflect on the most critical issues of recent memory. What effect will the step forward have? What impact will innovation, robotization, and artificial intelligence (simulated intelligence) have on where and how we are?

Many reporters are concerned about innovation and the likely impact of mechanization on jobs and the work environment. We accept that natural history is undeniably more confusing. It's less about mechanical advances and more about how people work. Use this technology. The state representing the future workforce is still in the air, confusing, deferring and fighting forces. Some of these powers are safe, but the speed at which they manifest can be unpredictable. Policies and regulations, the states that mandate them, and accommodative sentiment patterns among buyers, residents, and workers will influence progress toward a mechanized work environment (Radonić, 2021). The outcome of this struggle will determine the fate of workers in 2030. With so many complex forces at work, direct forecasts are too short-sighted. Organizations, states and individuals must be prepared for various conceivable, even unlikely, outcomes.

### 12.1. Megatrends

Megatrends are the powerful forces reshaping society and, therefore, the universe of work: movements of money reshaping influence, abundance, rivalry and opportunity around the world; Difficult breakthroughs, revolutionary considerations, new action plans and resource scarcity affecting every area. To attract and retain employees,

customers and confederates over the next decade, organizations must have a sound and meaningful purpose and mission. PwC's Recognized Megatrends form the basis of our entire situation (Kift, 2021). The universes in which the ultimate goal of the work will take place are not set in stone by how people respond to difficulties and open the doors heralded by megatrends. Automation, advanced mechanics, and computational (computer-based) thinking intelligence are rapidly changing the types and number of professions available. Innovation can work in our lives by increasing efficiency, expectations of everyday comfort and average life expectancy while allowing people to focus on personal satisfaction. There is also the possibility of social and political upheaval if monetary benefits are not passed on somewhat. With some provincial exceptions, the total population matures, falling to organizations, social institutions and economies. Our longer future will impact stock plans, capacity desires and pension costs. More experienced specialists should master new skills and work longer. The "renewal" will become commonplace. Labor shortages in several fast-growing economies will drive the need for computerization and efficiency gains. The U.N. predicts that by 2030, 4.9 billion people will live in urban communities and that by 2050, the world's population will be in metropolitan areas up 72%1. Many of the largest urban communities now have a more significant GDP than normal-sized nations. Urban districts are becoming necessary specialists in creating jobs in this new world.

Rapidly developed, non-developed countries, especially those with large working-age populations, will benefit most by embracing the entrepreneurial spirit, attracting businesses, and developing their education systems. Emerging markets face the best test as innovation widens the hole. In the created world, Unemployment and freedom of movement will continue to be unlimited unless you do a lot of secured speculation. Due to widespread computerization, the disintegration of the working class, the divergence of wealth and workers' unhappiness will provoke wagers on social unrest. Demand for energy and water is expected to increase at a similar rate. About half, or 40%, by 2030. To meet these needs, new positions must be made in choice energy, new design cycles, element configuration, executive waste, and redeployment. Conventional energy companies and the many people who work for them are going through a rapid recovery (Moretta, 2022).

### 13. The Way Digital and Artificial Intelligence are Altering Work

The potential of advanced levels and artificial intelligence to support and develop the workplace is limitless. It will be essential in improving the four work universes, aligning skills with managers, capital with financiers, and buyers with suppliers. This scenario layer represents a computerized value chain and the commodification and computerization of the management center but with conditions. While building a thriving mall can also take on the entire financial framework. With the certainty of the scenario, the game comes with digital attacks or total control (Collie, 2021). Information is firmly connected to the advanced. The way legislators, associations, and individuals share and use them are fundamental to our universes in general, including the most human-centric ones. Finally, computational intelligence refers to advanced partners, chatbots, and AI that value, learn, and track information3. It makes sense to look at simulated intelligence in three phases: supported information currently in the public domain and updating what individuals and associations are presently doing. A simple model standard in vehicles today is the GPS routing system, which gives directions to drivers and changes with road conditions. Today's

growing knowledge enables people and associations to do impossible things. Car Ride Shared Organizations, for example, could not exist without the combination of projects organizing the service. Autonomous knowledge produced for the existing creates autonomously acting machines will be a model. Some confident people accept that synthetic intelligence allows people to invest more energy. They engaged in an undeniable level of reasoning, imagination and guidance as machines help humanity manage, dissect and evaluate the monstrous amounts of information that make up today's world. The red earth is an ideal breeding ground for innovative ideas (Molina, 2021). New items and action plans appear dangerously fast, much faster than controllers can be aware of. Organizations can better tailor their contributions and take better approaches to address these specificities. There are high rewards for the thoughts and skills that best address the problems of organizations and customers. Be that as it may, the stakes are high in a world of few standards. The current effective business could become the following—court proceedings. Big business has been defeated in a carefully fortified world of small business organizations. In the advanced stages, workers and firms, skills and demand, capital and pioneers, and buyers and suppliers interact (Bathmaker, 2021). This empowers sequential entrepreneurs to impact and scale well beyond their size. The most prominent managers, unlucky about the rivalry, break loose to create their divisions and internal organizations, eliminating old orders and empowering and rewarding workers with innovative ideas. The pace at which new assets and governance are designed and tested has accelerated, increasing the risk of brand damage and failure—experience and organizations rather than being identified by a company or institution. Associations with fewer than ten employees are the standard. Partnerships with a few key people build value through innovation, store network and licensed innovation rather than actual human effort and resources. The business value of learning focuses on; a university degree is seen as less critical than explicit and relevant skills or experience. Workers understand that the most popular skills generate the most significant pay package. Many people move regularly and only stay as long as necessary. Contract talks are fundamental, as is owning the licensed innovation and being able to work.

## 14. Interaction Effect of Working from Home and Remote Workplace on Job Stress

**Table 1.** Tests of Between-Subjects Effects

Dependent Variable: JStress

| Source | | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |
|---|---|---|---|---|---|---|---|
| Intercept | Hypothesis | 2747.817 | 1 | 2747.817 | 9568.110 | .007 | 1.000 |
| | Error | .287 | 1 | .287[a] | | | |
| AGREE_WFH | Hypothesis | .045 | 1 | .045 | .091 | .814 | .083 |
| | Error | .493 | 1 | .493[b] | | | |
| AGREE_REMOTE_WORKING | Hypothesis | .287 | 1 | .287 | .582 | .585 | .368 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Error | .493 | 1 | .493[b] | | | |
| AGREE_WFH | * Hypothesis | .493 | 1 | .493 | 1.097 | .295 | .002 |
| AGREE_REMOTE_WORKING | Error | 204.178 | 454 | .450[c] | | | |

a. MS (AGREE_REMOTE_WORKING)

b. MS (AGREE_WFH * AGREE_REMOTE_WORKING)

c. MS (Error)

**Table 2.** Descriptive Statistics

Dependent Variable: JStress

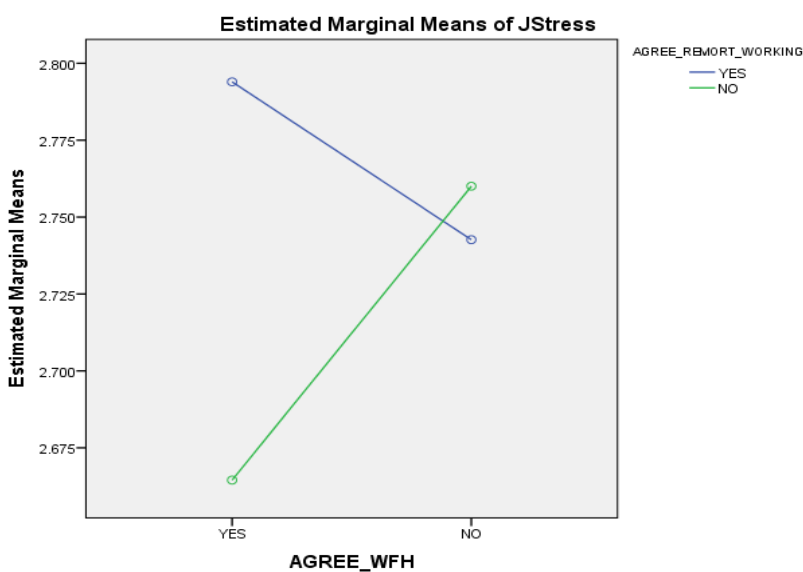| AGREE_WFH | AGREE_REMOTE_WORKING | Mean | Std. Deviation | N |
|---|---|---|---|---|
| YES | YES | 2.7940 | .69162 | 227 |
| | NO | 2.6645 | .75279 | 83 |
| | Total | 2.7593 | .70960 | 310 |
| NO | YES | 2.7426 | .60559 | 81 |
| | NO | 2.7600 | .55414 | 67 |
| | Total | 2.7505 | .58097 | 148 |
| Total | YES | 2.7805 | .66948 | 308 |
| | NO | 2.7072 | .67094 | 150 |
| | Total | 2.7565 | .67011 | 458 |



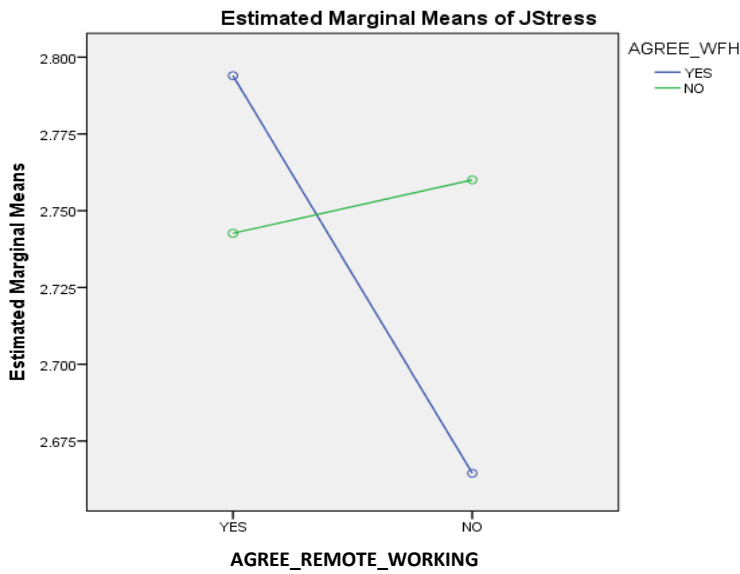**Figure 1.** Estimated marginal means of JStress (AGREE_WFH)

**Figure 2** Estimated marginal means of JStress (AGREE_REMOTE_WORKING)

Here the interaction effect of working remotely is based on the employees' job stress; the test between the subject effects is significant. The main impact of Remote working and Work from Home is not adequate. Both the variables show descriptive statistics nearly neutral, indicating that the stress level of the employees assessed in both situations is not much higher or lower. The estimated marginal mean of the job stress shows an interaction effect on remote working, but this effect cannot be considered from the subject effect values. Overall remote working and the Work from Home slightly reduce job stress but the interaction effect of both variables is not found to be adequate from the collected data.

**15. Pre- and Post-Covid Stress Assessment**

**Classification of the Dependent Variable into Pre-COVID and Post-COVID Levels for Within-Subjects Factors Analysis**

**Table 3.** Within-Subjects Factors (Measure: MEASURE_1)

| Level | Dependent Variable |
|---|---|
| 1 | before_covid |
| 2 | after_covid |

**Box's Test Results Showing the Equality of Covariance Matrices Between Pre-COVID and Post-COVID Stress Levels**

**Table 4.** Box's Test of Equality of Covariance Matrices[a]

| Box's M | 98.128 |
|---|---|
| F | 1.943 |
| df1 | 87 |

| df2 | 12869.980 |
|---|---|
| Sig. | .002 |

**Multivariate Tests Results Demonstrating the Effect of Time (Pre-COVID vs. Post-COVID) on Stress Levels, and the Interaction Effect of Time and Job-Related Stress**

**Table 5.** Multivariate Tests[a]

| Effect | | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |
|---|---|---|---|---|---|---|---|
| level | Pillai's Trace | .084 | 37.808[b] | 1.000 | 411.000 | .000 | .084 |
| | Wilks' Lambda | .916 | 37.808[b] | 1.000 | 411.000 | .000 | .084 |
| | Hotelling's Trace | .092 | 37.808[b] | 1.000 | 411.000 | .000 | .084 |
| | Roy's Largest Root | .092 | 37.808[b] | 1.000 | 411.000 | .000 | .084 |
| level * JStress | Pillai's Trace | .113 | 1.135[b] | 46.000 | 411.000 | .260 | .113 |
| | Wilks' Lambda | .887 | 1.135[b] | 46.000 | 411.000 | .260 | .113 |
| | Hotelling's Trace | .127 | 1.135[b] | 46.000 | 411.000 | .260 | .113 |
| | Roy's Largest Root | .127 | 1.135[b] | 46.000 | 411.000 | .260 | .113 |

a. Design: Intercept + JStress

Within Subjects Design: Level

b. Exact statistic

**Mauchly's Test of Sphericity Results for Assessing the Assumption of Sphericity in the Comparison of Pre-COVID and Post-COVID Stress Levels**

**Table 6.** Mauchly's Test of Sphericity[a]

Measure: MEASURE_1

| Within Subjects Effect | Mauchly's W | Approx. Chi-Square | df | Sig. | Epsilon[b] | | |
|---|---|---|---|---|---|---|---|
| | | | | | Greenhouse-Geisser | Huynh-Feldt | Lower-bound |
| level | 1.000 | 1.320 | 2 | .00 | .953 | 1.000 | 1.000 |

**Levene's Test Results for Equality of Error Variances Across Pre-COVID and Post-COVID Stress Levels**

**Table 7.** Levene's Test of Equality of Error Variances[a]

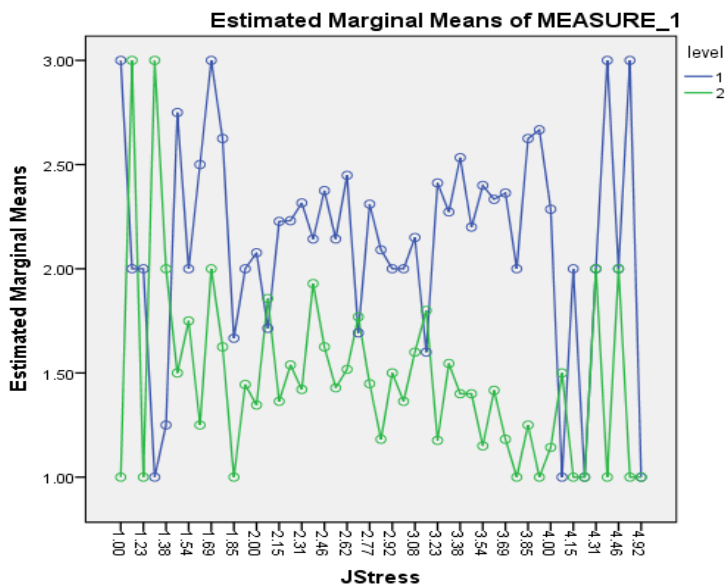| | F | df1 | df2 | Sig. |
|---|---|---|---|---|
| before_covid | 2.342 | 46 | 411 | .000 |
| after_covid | 2.945 | 46 | 411 | .000 |

**Figure 3.** Estimated means of MEASURE_1

Here the repeated measurement technique is established to find the deviation of the respondent's opinions before and after the covid about the level of their job stress. The repeated measurement compares and evaluates the effect of the covid situation on the employees' job stress level; the study's subject factors are pre-covid and post-covid. The box test shows that the data are adequate for the measurement. The multivariate test needs to evaluate the accuracy of change caused by the change in the workplace's condition seems significant. Mauchly's test also determines the dependent variable's orthonormalized transformation due to the changes and is found necessary. Levene's test checks the significance of the independent item along the group and is also found significant. The estimated marginal mean graph shows the plotted values of the employees' before and after stress levels on the background of the work from home. It says that level one was highly stressed before covid, and level two is lower after covid. The green line shows level 2, and the blue line indicates the after covid stress level. The modern working environment significantly reduces the stress and anxiety levels of workers.

░ **16. Conclusion**

Working from home has both advantages and disadvantages that have evolved throughout time. The workplace has been changed by allowing for more personal time and reducing dependence on physical transportation. Productivity has increased and stress levels have decreased due to this shift. Individual tastes, everyday situations, and expectations about in-person collaboration or specialist technology might hinder the full acceptance of remote work for certain people. One disadvantage of telecommuting is the lack of in-person connection with colleagues. The absence of a physical presence may impede influential groups from coordinating, notwithstanding the potential for innovation to remove barriers between corporate headquarters and remote employees. Unexamined force fields by local specialists might have negative consequences. Organizations that deliberately use remote work and foster creativity will gain advantages in innovation and adaptability. Organizations and employees will have the opportunity to reassess their business options due to advancements that enhance the accessibility and effectiveness of remote work. Hardware and programming tools for remote work will continue to advance, along

with the speed and accessibility of internet data transfer. COVID-19 data does not provide sufficient evidence to support the claim that remote work decreases job-related stress. The research suggests that stress levels among workers have significantly decreased in the modern workplace compared to levels before and after COVID.

## 17. Recommendations for the Future

Organizations should continue to invest in and enhance their digital infrastructure to support efficient remote work. This entails ensuring that employees have access to secure virtual private networks (VPNs), cloud-based collaboration tools, and high-speed internet. Providing training on digital technologies and cybersecurity measures may help employees adapt to remote work more effectively and safely.

Companies should consider adopting more adaptable work schedules to accommodate the needs and choices of their diverse employees. Examples of flexible work arrangements include allowing employees to choose their own schedules, including a mix of in-office and remote work, and providing ergonomic home office setups. Increased job satisfaction and less stress may be attained via the use of more flexible work schedules.

Organizations could initiate virtual community-building initiatives and wellness programmes to assist workers in dealing with the isolation that often accompanies remote employment. Examples of such things include regular check-ins by management with staff, online tools for wellness and mental health, and virtual team-building activities. Promoting an atmosphere of open communication and support may help maintain team cohesion and employee well-being.

Organizations should regularly assess the effectiveness of their remote work policies and make necessary adjustments due to the constantly evolving workplace and technology. Companies may get insight into the advantages and disadvantages of remote work by conducting surveys or organizing focus groups with workers. This will assist them in adapting their strategies to align with the changing requirements and anticipations of their workforce.

**References**

Ainsworth, S., & Knox, A. (2022). "A bridge too far?" Ideas, employment relations and policy-making about the future of work. Industrial Relations: A Journal of Economy and Society, 61(1): 68–89.

Alexander, A., De Smet, A., Langstaff, M., & Ravid, D. (2021). What employees are saying about the future of remote work. McKinsey & Company.

Baporikar, N. (Ed.). (2021). Handbook of research on sustaining SMEs and entrepreneurial innovation in the post-COVID-19 era. IGI Global.

Bathmaker, A.M. (2021). Constructing a graduate career future: Working with Bourdieu to understand transitions from university to employment for students from working-class backgrounds in England. European Journal of Education, 56(1): 78–92.

Cahill, J., Howard, V., Huang, Y., Ye, J., Ralph, S., & Dillon, A. (2021). Addressing Human Factors and Ethics in the Design of 'Future Work' and Intelligent Systems for Use in Financial Services-Person Centered Operations, Intelligent Work & the Triple Bottom Line. In International Conference on Human-Computer Interaction, Pages 3–13, Springer, Cham.

Desrumaux, P., Ayala Calvo, J.C., & Naouële, B. (2022). The impact of social support on emotional exhaustion and workplace bullying in social workers. European Journal of Social Work, 25(5): 752–765.

Chen, X., Zhu, L., Liu, C., Chen, C., Liu, J., & Huo, D. (2021). Workplace Diversity in the Asia-Pacific Region: A Review of Literature and Directions for Future Research. Asia Pacific Journal of Management, Pages 1–25.

Collie, R.J. (2021). COVID-19 and teachers' somatic burden, stress, and emotional exhaustion: Examining the role of principal leadership and workplace buoyancy. Aera Open, 7: 2332858420986187.

Das, M., Tang, J., Ringland, K.E., & Piper, A.M. (2021). Towards accessible remote work: Understanding work-from-home practices of neurodivergent professionals. Proceedings of the ACM on Human-Computer Interaction, 5(CSCW1): 1–30.

De Klerk, J.J., Joubert, M., & Mosca, H.F. (2021). Is working from home the new workplace panacea? Lessons from the COVID-19 pandemic for the future world of work. SA Journal of Industrial Psychology, 47(1): 1–14.

De Lucas Ancillo, A., Del Val Núñez, M.T., & Gavrila, S.G. (2021). Workplace change within the COVID-19 context: a grounded theory approach. Economic Research-Ekonomska Istraživanja, 34(1): 2297–2316.

Dhanabhakyam, M., & Joseph, E. (2022). Digital permissive management for aggregate and sustainable development of the employees. International Journal of Health Sciences, 6(1).

Dhanabhakyam, M., & Joseph, E. (2022). Digitalization and perception of employee satisfaction during pandemic with special reference to selected academic institutions in higher education. Mediterranean Journal of Basic and Applied Sciences.

Dhanabhakyam, M., & Joseph, E. (n.d.). Conceptualising Digitalization in SMEs of Kerala.

Dhanabhakyam, M., Joseph, E., & Monish, P. (n.d). Virtual Entertainment Marketing and its Influences on the Purchase Frequencies of Buyers of Electronic Products.

Faulds, D.J., & Raju, P.S. (2021). The work-from-home trend: An interview with Brian Kropp. Business Horizons, 64(1): 29.

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

Garrote Sanchez, D., Gomez Parra, N., Ozden, C., Rijkers, B., Viollaz, M., & Winkler, H. (2021). Who on earth can work from home?. The World Bank Research Observer, 36(1): 67–100.

Gkinko, L., & Elbanna, A. (2022). The appropriation of conversational AI in the workplace: A taxonomy of AI chatbot users. International Journal of Information Management, 102568.

Havaei, F., Ma, A., Staempfli, S., & MacPhee, M. (2021). Nurses' workplace conditions impacting their mental health during COVID-19: A cross-sectional survey study. Healthcare, 9(1): 84.

Irawanto, D.W., Novianti, K.R., & Roz, K. (2021). Work from home: Measuring satisfaction between work–life balance and work stress during the COVID-19 pandemic in Indonesia. Economies, 9(3): 96.

Jenkins, F., & Smith, J. (2021). Work-from-home during COVID-19: Accounting for the care economy to build back better. The Economic and Labour Relations Review, 32(1): 22–38.

Joseph, E. (2023). Underlying Philosophies and Human Resource Management Role for Sustainable Development. In Governance as a Catalyst for Public Sector Sustainability, Pages 286–304, IGI Global.

Joseph, E. (n.d). The Connection between the Nature of Work-Life and the Balance between Interceding Job of Occupation Stress, Work Satisfaction and Work Responsibility.

Joseph, E., & Dhanabhakyam, M.M. (2022). Role of Digitalization Post-Pandemic for Development of SMEs. In Research anthology on business continuity and navigating times of crisis, Pages 727–747, IGI Global.

Kift, S. (2021). Future work and learning in a disrupted world: 'The Best Chance for All'. Journal of Teaching and Learning for Graduate Employability, 12(1): 1–5.

Kniffin, K.M., Narayanan, J., Anseel, F., Antonakis, J., Ashford, S.P., Bakker, A.B., & Vugt, M.V. (2021). COVID-19 and the workplace: Implications, issues, and insights for future research and action. American Psychologist, 76(1): 63.

Lund, S., Madgavkar, A., Manyika, J., Smit, S., Ellingrud, K., Meaney, M., & Robinson, O. (2021). The future of work after COVID-19. McKinsey Global Institute, Page 18.

Mehta, P. (2021). Work from home—Work engagement amid COVID-19 lockdown and employee happiness. Journal of Public Affairs, 21(4): e2709.

Molina, J.A. (2021). The work–family conflict: Evidence from the recent decade and lines of future research. Journal of Family and Economic Issues, 42(1): 4–10.

Moretta, T., Buodo, G., Demetrovics, Z., & Potenza, M.N. (2022). Tracing 20 years of research on problematic use of the Internet and social media: Theoretical models, assessment tools, and an agenda for future work. Comprehensive Psychiatry, 112: 152286.

Pirzadeh, P., & Lingard, H. (2021). Working from home during the COVID-19 pandemic: Health and wellbeing of project-based construction workers. Journal of Construction Engineering and Management, 147(6): 1–17.

Putri, A., & Amran, A. (2021). Employees Work-Life Balance Reviewed From Work From Home Aspect During COVID-19 Pandemic. International Journal of Management Science and Information Technology, 1(1): 30–34.

Radonić, M., Vukmirović, V., & Milosavljević, M. (2021). The impact of hybrid workplace models on intangible assets: the case of an emerging country. Amfiteatru economic, 23(58): 770–786.

Seiler-Ramadas, R., Markovic, L., Staras, C., Medina, L.L., Perak, J., Carmichael, C., & Grabovac, I. (2021). "I don't even want to come out": the suppressed voices of our future and opening the lid on sexual and gender minority youth workplace discrimination in Europe: a qualitative study. Sexuality Research and Social Policy, Pages 1–21.

Sorensen, G., Dennerlein, J.T., Peters, S.E., Sabbath, E.L., Kelly, E.L., & Wagner, G.R. (2021). The future of research on work, safety, health and wellbeing: A guiding conceptual framework. Social Science & Medicine, 269: 113593.

Sutarto, A.P., Wardaningsih, S., & Putri, W.H. (2021). Work from home: Indonesian employees' mental wellbeing and productivity during the COVID-19 pandemic. International Journal of Workplace Health Management.

Ullah, M.S., Islam, M., & Ukil, M.I. (2022). Work from home during COVID-19: the role of perceived hope, intrinsic spirituality and perceived supervisor support on job involvement. Management Matters (ahead-of-print).

Zhang, C., Yu, M.C., & Marin, S. (2021). Exploring public sentiment on enforced remote work during COVID-19. Journal of Applied Psychology, 106(6): 797.

Zhang, I.Y., Powell, D.M., & Bonaccio, S. (2022). The role of fear of negative evaluation in interview anxiety and social-evaluative workplace anxiety. International Journal of Selection and Assessment, 30(2): 302–310.