


A Study on Workplace Stress and its Impact on Employee Productivity at Amphitrite Technologies Pvt Ltd. Chennai

Architha , Akila



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ABSTRACT

The study titled “A Study on Workplace Stress and its Impact on Employee Productivity at Amphitrite Technologies Pvt Ltd, Chennai” examines the effect of workplace stress on employee productivity in a technical and project-based organization. The research is based on primary data collected from 110 employees using structured questionnaires. Statistical tools such as regression and correlation analysis were used to evaluate the relationship between workplace stress and employee performance indicators such as job satisfaction and mental well-being. The findings reveal that workplace stress has a significant negative impact on employee productivity, reducing efficiency and engagement levels. The study concludes that effective stress management strategies, improved communication, and supportive work practices are essential to enhance employee well-being and organizational performance.

Keywords— Workplace Stress; Employee Productivity; Job Satisfaction; Mental Well-being; Chennai

I. INTRODUCTION

Workplace stress has become a significant concern in modern organizations, affecting employee performance and overall organizational effectiveness. Rapid technological advancements, increasing competition, and high job demands have intensified stress levels among employees, impacting their physical and psychological well-being. Unmanaged stress can lead to reduced productivity, low job satisfaction, absenteeism, and increased employee turnover.

This study focuses on Amphitrite Technologies Pvt Ltd, Chennai, a company operating in the water and wastewater treatment sector. Employees in this industry are exposed to stress due to strict deadlines, technical complexities, and high client expectations. Factors such as heavy workload, role ambiguity, lack of managerial support, and work-life imbalance contribute to workplace stress.

The study aims to identify the key sources of stress and analyze their impact on employee productivity, job satisfaction, and well-being. The findings will help in suggesting measures to improve employee performance and create a healthier work environment.

II. LITERATURE REVIEW

Eevi Tiihonen (2024) conducted a study on workplace wellness initiatives in small and medium enterprises and found that organizations actively promoting employee well-being experience higher productivity levels. The study emphasized that stress management programs, flexible work policies, and mental health support significantly reduce employee stress. It also revealed that employees who feel supported by management tend to show better engagement and performance. The study concluded that reducing stress is essential for improving organizational efficiency and growth.

Bharvi Shah (2023) examined the impact of workplace stress in corporate environments and identified major stressors such as unrealistic deadlines, lack of recognition, and job insecurity. The study found that these factors negatively affect employee productivity and increase absenteeism. It also highlighted that prolonged stress can lead to burnout and reduced job satisfaction. The study suggested implementing employee support systems and recognition programs.

Kalaivani (2022) analyzed workplace stress among employees and found that workload, time pressure, and lack of managerial support are the primary causes of stress. The study revealed that employees experiencing high stress levels show reduced motivation and lower productivity. It also emphasized the importance of maintaining work-life balance. The study concluded that effective stress management can enhance employee efficiency and job satisfaction.

Md. Amzad Basha (2021) conducted a study on workplace stress in Indian organizations and found that poor communication, excessive workload, and lack of appreciation significantly impact employee performance. The study showed that employees who feel undervalued are more likely to experience stress and reduced productivity. It recommended better HR practices and recognition systems to improve employee well-being.

Thu Ngo (2021) investigated the relationship between workplace stress and employee motivation in service industries and found that high stress levels reduce employee motivation, leading to lower productivity and increased turnover. The study emphasized that supportive leadership and effective communication help reduce stress and improve performance. It concluded that stress management is essential for maintaining employee engagement.

Kumar and Kumar (2020) studied stress among industrial employees and found that job pressure and lack of work-life balance significantly affect productivity. The study revealed that continuous stress leads to fatigue, reduced efficiency, and increased errors. It suggested that organizations should focus on workload distribution and employee well-being.

Singh and Sharma (2019) analyzed workplace stress and its impact on employee performance and found that high stress levels are associated with lower productivity and job satisfaction. The study identified workload, role ambiguity, and lack of support as key contributors to stress. It also highlighted that stress increases absenteeism. The study suggested creating a supportive work environment.

University of Nairobi (2019) conducted research on occupational stress and found that long working hours, heavy workload, and poor interpersonal relationships significantly affect employee performance. The study revealed that stress leads to reduced efficiency and increased errors. It suggested implementing wellness programs and improving communication.

Rao and Reddy (2018) examined workplace stress in industrial settings and found that tight deadlines and role ambiguity significantly reduce employee performance. The study revealed that employees experiencing stress show lower engagement and efficiency. It concluded that clearly defining roles and responsibilities can reduce stress and improve productivity.

III. METHODOLOGY

The study adopts a descriptive research design to analyze the relationship between workplace stress and employee productivity.

The sample size consists of 110 employees selected using convenience sampling from a total population of 200 employees at Amphitrite Technologies Pvt Ltd.

Primary data was collected using structured questionnaires, while secondary data was collected from journals, articles, and previous studies.

Statistical tools such as regression analysis, correlation analysis, and weighted average method were used for data analysis.

IV. RESULTS AND DISCUSSION

The findings indicate that workplace stress has a significant impact on employee productivity and job satisfaction.

Percentage analysis shows that major stress factors include heavy workload, poor work-life balance, job insecurity, and lack of support from management. A considerable number of employees reported that stress affects their work quality, mental well-being, and overall performance.

Regression analysis reveals that workplace stress significantly affects job satisfaction. Correlation analysis also indicates a significant relationship between stress and mental well-being.

Overall, the results confirm that increased stress leads to reduced efficiency and lower employee engagement.

V. CONCLUSION

The study concludes that workplace stress negatively affects employee productivity, job satisfaction, and well-being. Key stressors include workload, lack of support, workplace politics, and work-life imbalance.

The study suggests implementing stress management programs, improving communication, and providing better employee support systems. Reducing workplace stress can enhance productivity, improve employee satisfaction, and contribute to organizational success.

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