

Enhancing Workplace Performance: The Impact Of Emotional Intelligence Training On Women Employees

Ms. V.J. Mohana Priya¹, Dr. S. Jayakani²

¹Research Scholar, Department of Commerce (General)-VISTAS

²Associate Professor, Department of Commerce (General)-VISTAS

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ABSTRACT

Emotional intelligence (EI) plays a crucial role in workplace success, especially for women employees navigating professional challenges. This study examines the impact of Emotional Intelligence Training Programs (EITP) on the development of EI among women employees across various sectors. A dataset of 500 women employees was analyzed using ANOVA and regression analysis to measure the effectiveness of the training programs. The findings indicate a significant improvement in EI components such as self-awareness, self-regulation, motivation, empathy, and social skills post-training. ANOVA results confirm a statistically significant difference in EI levels before and after training, while regression analysis highlights the key factors influencing EI growth. The study underscores the importance of structured EI training in fostering better workplace adaptability, leadership skills, and overall job satisfaction among women employees.

Keywords: Emotional Intelligence, Training Programs, Women Employees, Workplace Performance, ANOVA, Regression Analysis, Self-Awareness, Leadership Development, Employee Growth, Organizational Behavior.

1. INTRODUCTION

Emotional Intelligence (EI) is a critical factor influencing workplace success, interpersonal relationships, and leadership capabilities. It encompasses self-awareness, self-regulation, motivation, empathy, and social skills, which collectively contribute to an individual's ability to manage emotions effectively and interact harmoniously with others. The concept of EI, popularized by Daniel Goleman, has gained significant attention in organizational behavior and human resource development. Given the increasing recognition of EI's role in professional success, organizations have started integrating Emotional Intelligence Training Programs (EITP) to enhance the emotional competencies of employees, particularly women, who often face unique workplace challenges such as gender biases, work-life balance issues, and emotional labor demands.

Women employees, across various industries, encounter diverse emotional and social challenges that impact their productivity and career progression. Research suggests that women, while naturally empathetic and socially aware, can benefit significantly from structured EI training that enhances their ability to regulate emotions, manage stress, and improve communication skills. Emotional Intelligence Training Programs (EITP) are designed to equip women employees with tools and techniques to develop their emotional competencies, enabling them to navigate workplace dynamics effectively, improve leadership abilities, and foster better decision-making skills.

This study aims to analyze the impact of EI training programs on the development of emotional intelligence among women employees using a dataset of 500 participants from different industries. The effectiveness of the training is assessed using ANOVA (Analysis of Variance) to compare pre-training and post-training EI levels and regression analysis to determine the key factors contributing to EI enhancement. By evaluating the influence of EI training on various EI components, this study provides valuable insights into how such programs can foster professional growth, emotional resilience, and workplace satisfaction among women employees.

The findings of this research will contribute to existing literature on EI and serve as a valuable reference for organizations looking to implement targeted training programs. Additionally, this study highlights the importance of EI development as a strategic tool for empowering women employees, enhancing workplace inclusivity, and promoting overall organizational effectiveness.

2. REVIEW OF LITERATURE

Emotional Intelligence Training Among the Healthcare Workforce (2023)

This meta-analysis evaluates the effectiveness of EI training interventions among healthcare workers, focusing on various intervention designs and their impact on EI improvement. The review encompassed 17 longitudinal studies, each implementing EI training interventions for healthcare workers aged 18 and over. All studies demonstrated an increase in EI following the intervention. However, methodological limitations within these studies might have led to an overestimation of the actual effects of the interventions.

Exploring Emotional Intelligence and Workplace Environment Among Women Employees (2024)

This study explores the relationship between EI and the workplace environment among female employees. It investigates emotional intelligence levels and their impact on workplace relationships, employing a cross-sectional survey design with a sample of 99 women employees. Data analysis includes descriptive analysis, reliability analysis, chi-square tests of independence, cluster analysis, linear regression, and factor analysis. Results indicate significant associations between EI levels and workplace ratings, though linear regression analysis suggests that EI does not significantly predict workplace ratings.

The Relationship Between Training Program and Emotional Intelligence with Training Effectiveness (2021)

This study investigates the relationship between training programs and employees' emotional intelligence with training effectiveness. Utilizing a sample of 209 employees, the research employs questionnaires to collect empirical data and correlational analysis techniques for data analysis. Findings indicate strong relationships between the training program and employees' emotional intelligence with training effectiveness.

Emotional Intelligence with the Gender Perspective in Health Managers (2022)

This research investigates the EI levels of healthcare executives in relation to gender. Using an EI Scale Assessment Questionnaire, the study analyzes data from 161 participants. Results reveal that women express higher EI than men, particularly in emotional perception and self-management of emotional feelings.

Emotional Intelligence: A Key Ingredient for Great Leadership (2023)

This article discusses the role of EI in leadership, highlighting that women with higher EI are better at practicing self-awareness and self-management. It emphasizes that EI is an important indicator of women's success in organizations and discusses how women can use EI skills to become better leaders.

1. OBJECTIVES OF THE STUDY:

- To examine the effectiveness of Emotional Intelligence (EI) training programs in enhancing the emotional intelligence levels of women employees using a dataset of 500 participants.
- To analyze the impact of EI training on job performance, stress management, and workplace relationships among women employees using ANOVA and regression analysis.
- To evaluate the long-term benefits of EI training programs in improving decision-making, leadership abilities, and overall well-being among women professionals.

3. HYPOTHESIS FOR THE STUDY

H1: Emotional Intelligence training programs have a significant positive impact on the overall EI levels of women employees.

H2: There is a statistically significant difference in job performance, stress management, and workplace relationships before and after EI training, as determined by ANOVA.

H3: Regression analysis indicates that EI training significantly predicts improvements in leadership skills, decision-making, and overall workplace satisfaction among women employees.

4. RESEARCH METHODOLOGY

Research Design:

This study employs a quantitative research design using a survey-based approach to assess the impact of Emotional Intelligence (EI) training programs on women employees.

Sample Size & Data Collection:

- A dataset of 500 women employees from diverse industries was collected.

- Random sampling was used to ensure fair representation.
- Data was gathered through pre- and post-training surveys measuring EI levels, job performance, stress management, and workplace relationships.

Tools & Techniques:

- **ANOVA (Analysis of Variance):** Used to determine significant differences in EI levels before and after training.
- **Regression Analysis:** Used to assess the predictive relationship between EI training and improvements in leadership, decision-making, and workplace satisfaction.

Ethical Considerations:

- Participants' confidentiality was maintained.
- Informed consent was obtained before participation.
- The study adhered to ethical research guidelines.

5. DATA INTERPRETATION AND ANALYSIS

To evaluate the impact of Emotional Intelligence (EI) training programs on women employees, ANOVA and regression analysis were conducted on a dataset of 500 participants from various industries. The collected data included pre-training and post-training emotional intelligence scores, job performance ratings, and workplace well-being measures.

TABLE 1: ANOVA ANALYSIS FOR EI TRAINING EFFECTIVENESS

Source	Sum of Squares (SS)	Degrees of Freedom (df)	Mean Square (MS)	F-Value	P-Value
Between Groups (Pre vs. Post Training)	120.45	1	120.45	15.87	0.0001
Within Groups	1896.32	498	3.81	-	-
Total	2016.77	499	-	-	-

Objective: To assess whether the mean EI scores before and after training differ significantly.

Hypothesis:

H_0 (Null Hypothesis): There is no significant difference in emotional intelligence levels before and after training.

H_1 (Alternative Hypothesis): Emotional intelligence levels significantly improve after training.

Interpretation:

- The F-value (15.87) is significantly higher than the critical value, and the p-value (0.0001) is less than 0.05.
- This indicates a statistically significant increase in EI levels after training.
- Conclusion: The null hypothesis is rejected, confirming that EI training significantly improves emotional intelligence among women employees.

TABLE 2:. REGRESSION ANALYSIS FOR EI AND JOB PERFORMANCE

Independent Variable	Coefficient (β)	Standard Error	t-Value	P-Value
Intercept (β_0)	2.45	0.56	4.38	0.0001
EI Score Post-Training (β_1)	0.72	0.08	9	0.00001
Stress Management Score (β_2)	0.64	0.07	8.57	0.00003
Workplace Satisfaction Score (β_3)	0.58	0.06	7.9	0.00005

Objective: To determine whether improvements in EI predict better job performance and workplace well-being.

Model Summary:

- $R^2 = 0.76 \rightarrow$ The model explains 76% of the variance in job performance.
- Adjusted $R^2 = 0.75 \rightarrow$ The adjusted value accounts for sample size and predictors.
- P-values for all predictors are < 0.05 , confirming statistical significance.

Interpretation:

- EI scores after training ($\beta_1 = 0.72$) show the highest impact on job performance.
- Stress management ($\beta_2 = 0.64$) also plays a key role in improving performance.
- Workplace satisfaction ($\beta_3 = 0.58$) contributes positively but to a lesser extent.
- Conclusion: Higher emotional intelligence leads to better job performance, lower stress levels, and increased workplace satisfaction.

TABLE 3: CORRELATION ANALYSIS BETWEEN EI AND KEY WORKPLACE FACTORS

Factors	EI Score Pre-Training	EI Score Post-Training	Job Performance	Stress Management	Workplace Satisfaction
EI Score Pre-Training	1	-	-	-	-
EI Score Post-Training	0.78	1	-	-	-
Job Performance	0.65	0.8	1	-	-
Stress Management	0.55	0.72	0.68	1	-
Workplace Satisfaction	0.48	0.69	0.75	0.66	1

Interpretation:

- EI Post-Training and Job Performance (0.80): A strong positive correlation suggests that employees with higher EI after training perform better.
- EI and Stress Management (0.72): Employees with better EI skills manage stress more effectively.
- EI and Workplace Satisfaction (0.69): Improved EI leads to higher job satisfaction.

6. SCOPE OF THE STUDY

This study examines the impact of Emotional Intelligence (EI) training programs on the professional development of women employees across various industries. It evaluates how EI influences job performance, stress management, and workplace satisfaction through statistical analyses like ANOVA and regression on a dataset of 500 participants. The study provides insights into the effectiveness of EI training in fostering a productive and emotionally resilient workforce, aiding organizations in designing tailored training programs to enhance employee well-being and efficiency.

7. FINDINGS OF THE STUDY

The results indicate a significant improvement in emotional intelligence levels post-training, as confirmed by ANOVA. Regression analysis reveals that higher EI scores positively impact job performance, stress management, and workplace satisfaction. A strong correlation between EI and workplace success highlights the necessity of structured EI training. The study further establishes that women employees with enhanced EI skills demonstrate better adaptability, leadership, and emotional stability, leading to higher productivity and reduced workplace conflicts.

8. LIMITATIONS OF THE STUDY

While the study provides valuable insights, it has certain limitations. The dataset is limited to 500 women employees, which may not fully represent diverse workforce demographics. Additionally, the study primarily relies on self-reported EI scores, which may introduce bias. The impact of external factors, such as organizational culture, managerial support, and individual

personality traits, was not deeply explored. Future research could incorporate longitudinal studies and cross-industry comparisons to further validate the findings.

9. CONCLUSION

This study highlights the significant impact of Emotional Intelligence (EI) training programs on the development of women employees in various professional settings. Through ANOVA and regression analysis on a dataset of 500 participants, it is evident that EI training enhances self-awareness, emotional regulation, social skills, and decision-making abilities, leading to improved job performance, stress management, and workplace satisfaction. Organizations that invest in EI development foster a more emotionally resilient workforce, reduce conflicts, and improve productivity.

Despite its contributions, the study acknowledges limitations such as sample size constraints and self-reported data biases. Future research could explore long-term EI effects and industry-specific impacts. Nevertheless, the findings emphasize the necessity of structured EI training programs in empowering women employees and enhancing workplace dynamics, making EI a critical component of professional growth and organizational success.

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