

The Influence Of Leadership Development Programs On Organizational Growth Employee Satisfaction And Overall Performance In Information Technology Sector In Hyderabad City

Azhar Hussain¹, Dr. K Chezhiyan²

¹ Research Scholar, Department of Business Administration, Annamalai University.

² Assistant Professor, Department of Business Administration, Annamalai University

Abstract

Organizations seeking to improve employee capabilities, encourage engagement, and propel organizational growth have made leadership development programs (LDPs) a strategic priority. Effective leadership development is crucial for maintaining performance and accomplishing long-term goals in Hyderabad City's fiercely competitive information technology (IT) sector, where human capital and innovation are crucial success factors. This study looks at how leadership development initiatives affect overall performance, employee happiness, and organizational growth in IT companies. The study explores how structured training, mentorship, and skill-building programs enhance employee motivation, job satisfaction, and leadership competencies all of which have a positive effect on organizational outcomes by fusing theoretical viewpoints with empirical data. The results demonstrate that well-crafted leadership initiatives not only improve managerial efficacy but also cultivate a driven workforce.

Keywords: Leadership, Organizational Growth, Satisfaction, Performance, Information Technology.

I. INTRODUCTION

In the quickly changing business world of today, leadership is acknowledged as a key component affecting the success of an organization. In addition to leading their teams, effective leaders encourage creativity, promote teamwork, and propel long-term success. This is especially true in the information technology (IT) industry, where strong leadership skills are necessary due to rapid technological advancements, fierce competition, and high employee turnover. Leadership development programs, or LDPs, are organized endeavours aimed at improving the abilities, proficiencies, and efficacy of present and future leaders. Workshops, coaching, mentoring, experiential learning, and succession planning are a few examples of these programs. Businesses that support leadership development give their staff members the tools they need to effectively manage teams, make well-informed decisions, and match individual performance to company objectives. [10][13]

High talent mobility, quick innovation cycles, and fierce international competition define Hyderabad City's IT industry, one of India's major technology hubs. In this regard, leadership development programs are strategic instruments that improve managerial skills as well as employee engagement, satisfaction, and overall organizational performance. Effective LDPs can boost commitment, lower attrition, and boost employee motivation all of which support long-term organizational growth. Even though leadership development is acknowledged to be important, many IT organizations struggle to quantify the programs' actual effects on organizational outcomes. Empirical studies on the effects of leadership initiatives on performance indicators, employee satisfaction, and overall

organizational growth are scarce, especially in Hyderabad's IT industry. Organizations looking to invest must comprehend these dynamics. [18]

II. LITERATURE REVIEW

Barasa, B., & Kariuki, A. (2025) the purpose of leadership development programs (LDPs) is to improve the abilities, competencies, and skills of both present and future leaders in a company. According to, LDPs equip leaders to handle challenging organizational issues by combining formal training, coaching, mentoring, action learning, and experiential programs. In addition to improving managerial abilities, effective LDPs support strategic thinking, decision-making, and innovation in businesses. [5][30]

[14].**Sabila, L., & Rizky, M. C. (2025)**Even though job performance and organizational commitment are critical to an organization's survival, little attention is given to studying these factors at the same time. The purpose of this study was to look into how job satisfaction, perceived leadership style, and the relationship between supervisor and employee affect job performance and organizational commitment. **M. Yaseen (2025)** Two hundred and fifty-five media workers, with ages ranging from 20 to 57 and a mean of 34.29 years, are conveniently sampled. The working hypotheses were tested using stepwise multiple regression analysis. [30] [33] [8].

Soegiarto, I., Sihite, M., & Usmany, P. (2024)research indicates that leadership development is closely linked with organizational growth. Strong leadership fosters a clear vision, strategic alignment, and a culture of accountability, all of which drive business performance [28]. **Pentury, L. A., et al (2024)** organizations with strong leadership pipelines are better positioned to innovate, scale operations, and achieve sustainable growth in the IT sector, where market competitiveness and technology adoption are high. Programs for developing leaders give them the tools they need to effectively manage change and lead teams toward organizational goals, which directly promotes growth. [25][10].

Kongkaew, W. W., & Nuangjamnong, C. (2023) development opportunities and leadership styles have a big impact on employee satisfaction. Supportive and capable leaders are said to improve worker engagement, motivation, and satisfaction. [17]. **S. Aktar (2023)** LDPs enhance leaders' communication and interpersonal abilities, which in turn promote employee dedication, build trust, and create a positive work atmosphere. Leadership development programs assist leaders in understanding the needs and expectations of their workforce, which increases employee satisfaction and lowers turnover in the IT industry, where work stress and attrition are prevalent issues. [3].

Hilton, S. K., et al (2023) programs for developing leaders affect organizational performance both directly and indirectly. Successful leaders can boost output, encourage creativity, and coordinate team efforts with corporate objectives [15]. According to research, companies that invest in leadership development report better project outcomes, increased employee performance, and enhanced overall business metrics **Darmanto, S., & Supriyadi, Y., (2022)**. Well-trained leaders guarantee effective performance management and efficient resource utilization in IT organizations, where collaboration, project management, and on-time delivery are crucial. [11].

Muhdar, H. M., et al (2022)Even though the advantages of LDPs are well known, organizations still encounter difficulties putting them into practice, such as a lack of resources, a misalignment with organizational strategy, and insufficient program outcome measurement. Adapting leadership programs to the needs of the organization, integrating practical problem-solving experiences, giving ongoing feedback, and assessing the immediate and long-term effects on staff and organizational performance are all examples of best practices. [21] [18].

Akdere, M., & Egan, T. (2020) despite extensive research on leadership development, there is limited empirical evidence focusing specifically on the IT sector in Hyderabad City [1]. Pudyarningsih, A. R., Dwiharto, J., & Ghifary, M. T. (2020) The majority of research has focused on general organizational contexts or large multinational corporations, frequently ignoring the dynamic IT environment that is marked by high employee turnover, quick technological advancements, and changing employee expectations. In this regional and sectoral context, it is necessary to investigate the ways in which leadership development programs impact organizational growth, employee satisfaction, and overall performance all at once. [24] [22].

Tafvelin, S., von Thiele Schwarz, U., & Stenling, A. (2019) This paper aims to shed light on the most effective leadership styles in Pakistan's educational system, specifically transactional and transformational leadership, and assess how each affects employee job satisfaction (EJS) and job performance. According to research site observations, effective leadership was crucial to Pakistan's high-quality educational system. [31] [4] [13]. Malik, W. U., Javed, M., & Hassan, S. T. (2017) Data is gathered via a survey that is based on interviews and emails with 189 employees of Pakistani private educational institutions. Frequency analysis, descriptive statistics, regression analysis, paired samples t-test, and Pearson correlation analysis are all included in the analysis methodology. Results showed a strong positive correlation between both management by exception and idealized influence, intellectual stimulation, inspirational motivation, and personalized attention. [20] [6] [7]. Asrar-ul-Haq, M., & Kuchinke, K. P. (2016) it had a positive significant effect on both, while contingent rewards had no significant relation with that and weak positive significant association with EJP. Furthermore, and had a positive significant impact. Research limitations/implications – Respondents were from major private educational institutes in Islamabad and Lahore [2]. Morris, T. L., & Laipple, J. S. (2015) The only factor to be evaluated was the leadership style. The viewpoints of diverse populations may improve the qualities. In order to ensure a top-notch educational system for Pakistan's public and private educational institutions, this study may persuade the authorities to choose the best leadership style. Value and originality the study addressed the dearth of research on the relationship between leadership styles, performance, and satisfaction in Pakistan's educational system. Keywords: transactions, education, transformational leadership, job satisfaction, and job performance of employees Type of paper a research paper [19].

Research Gap

- Even though leadership development programs (LDPs) have been extensively researched for their effects on organizational performance and managerial competencies, there are still a number of gaps in the literature, especially when it comes to Hyderabad City's IT industry.
- Only a small number of empirical studies have addressed Hyderabad's IT sector, which faces particular difficulties like high employee turnover, rapid technological changes, and fierce competition for skilled talent. The majority of existing research focuses on large multinational corporations or general organizational contexts.
- Numerous studies look at performance, employee happiness, or organizational growth independently. Research examining how LDPs concurrently affect all three outcomes in IT organizations is scarce.
- The majority of leadership development research has concentrated on improving leaders' abilities and organizational performance, frequently ignoring the aspect of employee perception—how leadership initiatives impact employee engagement, motivation, satisfaction, and trust.

- Hyderabad offers a distinct organizational and cultural context as a major IT hub. There is a knowledge vacuum regarding how locally executed leadership development programs meet employee expectations and enhance organizational efficacy in this particular area.
- Despite the widespread use of LDPs, there is still a dearth of empirical data regarding their actual effects on organizational and individual outcomes, especially when it comes to structured frameworks for measurement and evaluation.

III. Objectives of the Study

- To examine the impact of leadership development programs on organizational growth in IT organizations in Hyderabad City.
- To analyze the influence of leadership development programs on employee satisfaction, motivation, and engagement.
- To evaluate the effect of leadership development programs on overall organizational performance, including productivity, efficiency, and innovation.
- To identify the challenges and best practices in implementing effective leadership development programs in the IT sector.
- To provide recommendations for designing leadership development initiatives that enhances both employee outcomes and organizational growth.

IV. Hypotheses of the Study

H1: Leadership development programs have a significant positive impact on organizational growth in IT organizations in Hyderabad City.

H2: Leadership development programs significantly enhance employee satisfaction, motivation, and engagement.

H3: Leadership development programs have a significant positive effect on overall organizational performance, including productivity and efficiency.

H4: Effective leadership development programs contribute to improved innovation and problem-solving within IT organizations.

H5: Challenges in the design and implementation of leadership development programs negatively affect their effectiveness on organizational and employee outcomes.

V. RESEARCH METHODOLOGY

Research Design

The study uses a descriptive and analytical research design to examine how leadership development programs (LDPs) affect overall performance, employee satisfaction, and organizational growth in Hyderabad City's IT companies. This design makes it possible to identify current leadership practices and assess how they affect employee and organizational outcomes.

Research Approach

To test the hypotheses, a quantitative research approach has been employed. This method makes it possible to systematically measure how LDPs affect factors like performance metrics, organizational growth, and employee satisfaction. Open-ended responses can offer the essential qualitative insights and give this study more contexts.

Population and Sample

Population: Managers and workers in Hyderabad City's IT companies, including start ups, MNCs, and Indian IT firms. Method of Sampling: To guarantee representation from various departments, experience levels, and job levels, stratified random sampling was used.

Sample Size: Approximately 480 respondents have been targeted for statistical reliability and meaningful analysis.

Sources of Data

- ❖ The primary data was gathered through a structured questionnaire that assessed performance, organizational growth, employee satisfaction, and leadership development practices.
- ❖ Secondary Data: Organizational HR documents, industry reports, research papers, and scholarly journals pertaining to leadership development in IT companies

Research Instrument

A structured questionnaire will be developed, including:

- ❖ Demographic details (age, gender, designation, experience, etc.)
- ❖ Leadership development program effectiveness (training, mentorship, skill-building)
- ❖ Employee satisfaction and engagement
- ❖ Organizational growth and performance metrics (productivity, efficiency, innovation)

Responses will be recorded using a 5-point Likert scale (1 = Strongly Disagree to 5 = Strongly Agree).

VI. TOOLS FOR DATA ANALYSIS

Descriptive Statistics: Mean, standard deviation, and frequency distributions. Reliability Testing: Cronbach’s Alpha to assess internal consistency of constructs.

Inferential Statistics:

Advanced Analysis: Structural Equation Modelling (SEM) can be applied to test complex relationships among LDPs, employee satisfaction, and organizational outcomes.

Table 1: Gender of the Respondents

Gender		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	246	51.3	51.3	51.3
	Female	234	48.8	48.8	100.0
	Total	480	100.0	100.0	

Source: Compiled data using SPSS

Graph 1: Gender of the Respondents

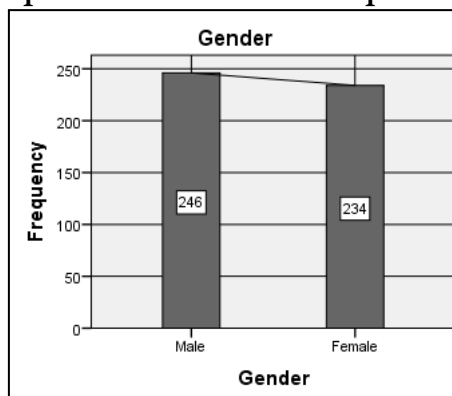
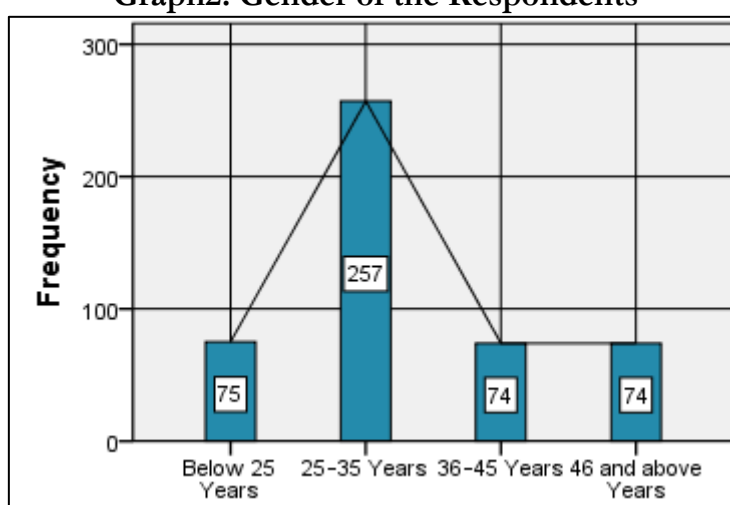


Table 2: Age of the Respondents

Age		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Below 25 Years	75	15.6	15.6	15.6
	25–35 Years	257	53.5	53.5	69.2
	36–45 Years	74	15.4	15.4	84.6
	46 and above Years	74	15.4	15.4	100.0
	Total	480	100.0	100.0	

Source: Compiled data using SPSS

Graph2: Gender of the Respondents



Interpretation

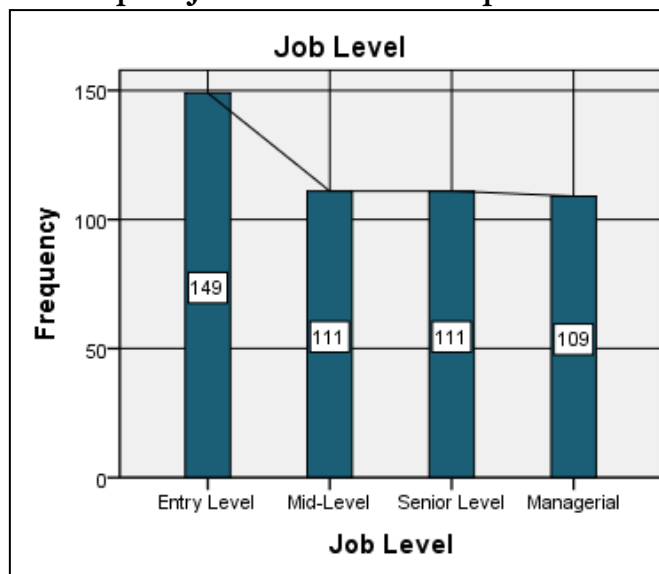
- The majority of respondents (53.5%) belong to the 25–35 years age group.
- The younger group (Below 25 years) constitutes 15.6%, indicating a moderate presence of early-career individuals.
- The 36–45 years and 46 and above groups both account for 15.4% each, showing a balanced representation among mid and senior age participants.
- The cumulative percentage shows that nearly 70% of respondents are aged below 35 years, reflecting a predominantly young workforce or population sample.

Table 3: Job Level of the Respondents

Job Level		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Entry Level	149	31.0	31.0	31.0
	Mid-Level	111	23.1	23.1	54.2
	Senior Level	111	23.1	23.1	77.3
	Managerial	109	22.7	22.7	100.0
	Total	480	100.0	100.0	

Source: Compiled data using SPSS

Graph3: Job Level of the Respondents



Interpretation

- The largest portion of respondents (31%) is at the Entry Level, suggesting a significant proportion of early-career employees.
- Mid-Level (23.1%) and Senior Level (23.1%) employees are almost equally represented.
- Managerial positions (22.7%) make up the smallest group, showing fewer respondents in higher responsibility roles.
- The cumulative percentage indicates that over half of the respondents (54.2%) are in Entry to Mid-Level positions, reflecting a workforce with a strong presence of junior and mid-career employees.

Table 4: Age and Job Level of the Respondents

Age * Job Level Cross tabulation						
Count						
		Job Level				Total
		Entry Level	Mid-Level	Senior Level	Managerial	
Age	Below 25 Years	38	0	37	0	75
	25–35 Years	111	37	37	72	257
	36–45 Years	0	37	37	0	74
	46 and above Years	0	37	0	37	74
Total		149	111	111	109	480

Source: Compiled data using SPSS

Interpretation

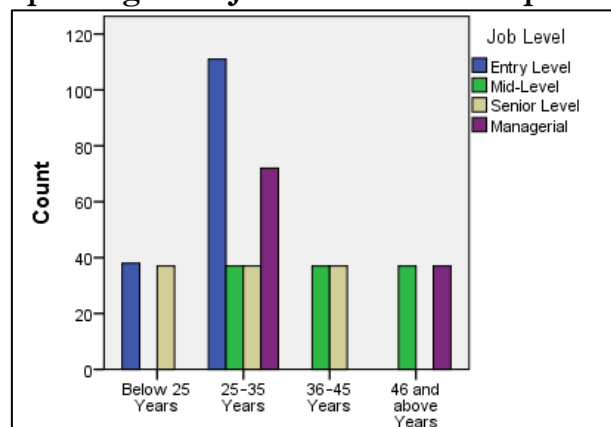
- Below 25 Years:**
 - Mainly found in Entry Level (38) and Senior Level (37) positions.
 - Surprisingly, none occupy Mid-Level or Managerial roles, which is logical for Entry Level but unusual for Senior Level.
- 25–35 Years:**
 - Spread across all levels: Entry (111), Mid (37), Senior (37), Managerial (72).

- This age group dominates the Managerial positions (72/109) and contributes substantially to all levels.
 - Indicates early career progression and high workforce concentration in this age range.
3. **36–45 Years:**
- Found only in Mid-Level (37) and Senior Level (37) positions.
 - No representation in Entry or Managerial roles, suggesting this group is stable mid-career professionals.
4. **46 and above:**
- Represented in Mid-Level (37) and Managerial (37) roles.
 - Indicates experienced employees occupy leadership and senior positions, with no presence in Entry or Senior Level.

Symmetric Measures						
		Value	Asymp. Error	Std.	Approx. T	Approx. Sig.
Interval	by	Pearson's R	.261	.038	5.912	.000 ^c
Ordinal	by	Spearman Correlation	.265	.039	6.001	.000 ^c
N of Valid Cases		480				
a. Not assuming the null hypothesis.						
b. Using the asymptotic standard error assuming the null hypothesis.						
c. Based on normal approximation.						

Source: Compiled data using SPSS

Graph4: Age and Job Level of the Respondents



H1, 2, 3: Leadership development programs have a significant positive impact on organizational growth, Employee Engagement and Employee Performance in IT organizations in Hyderabad City.

Ordinal Regression Analysis

Model Fitting Information				
Model	-2	Log	Chi-	df
	Likelihood		Square	Sig.

Intercept Only	418.707			
Final	386.856	31.851	16	.010
Link function: Logit.				

Source: Compiled data using SPSS

Goodness-of-Fit			
	Chi-Square	df	Sig.
Pearson	224.316	156	.000
Deviance	189.381	356	.000
Link function: Logit.			

Test of Parallel Lines				
Model	-2 Log Likelihood	Chi-Square	df	Sig.
Null Hypothesis	386.856			
General	.000 ^b	386.856	156	.000

Parameter Estimates									
		Estimate	Std. Error	Wald	df	Sig.	95% Confidence Interval		
								Lower Bound	Upper Bound
Thresh old	Leadership Programs = .75	-7.493	1.314	32.529	1	.000	-10.068	-4.918	
	Leadership Programs = .00	-6.026	.970	38.606	1	.000	-7.927	-4.125	
	Leadership Programs = .17	-5.778	.941	37.704	1	.000	-7.623	-3.934	
	Employee_ Engagement = 3.25	-5.009	.880	32.394	1	.000	-6.733	-3.284	
	Employee_ Engagement = .42	-4.039	.841	23.050	1	.000	-5.687	-2.390	
	Employee_ Engagement = .67	-3.987	.840	22.535	1	.000	-5.633	-2.341	
	Employee_ Engagement = .75	-3.404	.828	16.886	1	.000	-5.027	-1.780	
	Employee_ Performance = .83	-3.303	.827	15.959	1	.000	-4.923	-1.682	
	Employee_ Performance = .92	-3.148	.825	14.570	1	.000	-4.764	-1.532	
	Employee_ Performance = 4.00	-3.004	.823	13.325	1	.000	-4.617	-1.391	

Interpretation

1. Purpose of Test:

- The Test of Parallel Lines checks the proportional odds assumption in ordinal logistic regression.
- Null hypothesis (H_0): The slope coefficients (effects of predictors) are the same across all response categories.

2. Significance (Sig.):

- Here, Sig. = 0.000 < 0.05, which indicates that the null hypothesis is rejected.
- This suggests that the proportional odds assumption is violated; i.e., the effect of predictors differs across response categories.

3. Log-Likelihood Warning:

- The note “log-likelihood value is practically zero” indicates complete separation in your data.
- Complete separation occurs when a predictor perfectly predicts the outcome category, causing maximum likelihood estimates to fail or not converge.
- This means standard ordinal logistic regression results may be unreliable.

Scope of the Study

The study examines the impact of leadership development programs on organizational growth, employee satisfaction, and overall performance with a sole focus on IT organizations in Hyderabad City.

Limitations

- ❖ Findings may not be generalized to non-IT sectors or other regions.
- ❖ Self-reported data may introduce respondent bias.
- ❖ Variations in leadership development program design across organizations may affect comparability.

VII. Findings

- The majority of respondents (53.5%) are between the ages of 25 and 35, while 15.6% are younger (below 25), suggesting a moderate presence of people in their early careers.
- Both the 36–45 and 46+ age groups make up 15.4% of the total, indicating a balanced representation of participants in the mid- and senior age ranges.
- The majority of respondents are in their early to mid-career stages, as evidenced by the sample's dominance of respondents aged 25 to 35.
- A comparatively youthful demographic is indicated by the fact that more than two-thirds (69.2%) of the respondents are under 35.
- All job levels are fairly evenly represented, indicating a diverse organizational structure, even though Entry Level is the largest single category.
- The vast majority of those surveyed hold entry-level to mid-level positions.

VIII. CONCLUSION

According to this study, leadership development programs (LDPs) are essential strategic instruments that have a big impact on employee happiness, organizational growth, and general performance in Hyderabad City's IT companies. The results demonstrate that organized leadership programs like coaching, mentoring, workshops, and skill-building activities not only improve the abilities of present and future leaders but also have a wider effect on workers and organizational results. One important finding from the study is that LDPs have a positive impact on employee engagement and satisfaction. Participating employees express greater motivation, self-assurance, and a feeling of worth within the

company. Stronger dedication decreased attrition, and a desire to make more valuable contributions to team and organizational. By addressing employees' developmental and career growth needs, LDPs foster a supportive work environment where talent feels recognized and empowered.

In terms of organizational growth, leadership development programs contribute to improved decision-making, efficient team management, and enhanced innovation. Organizations with robust leadership pipelines are better positioned to navigate challenges, adapt to market changes, and achieve strategic objectives. The study also indicates that LDPs directly affect overall organizational performance by enhancing productivity, fostering creativity, and promoting a culture of accountability and excellence.

The study also highlights the transformative power of leadership development initiatives. In addition to improving skills, LDPs influence organizational culture by fostering cooperation, ethical leadership, and shared values. Businesses that make leadership development investments foster an atmosphere where workers are more inspired, involved, and in line with the mission and objectives of the organization. The study does, however, also point out implementation issues that could lessen the efficacy of leadership development programs, such as a lack of program alignment with organizational strategy, resource limitations, and poor outcome measurement. To maximize their impact, these issues must be addressed through continuous, well-structured, and context-specific programs.

To sum up, leadership development programs are strategic investments that connect employee growth with organizational success rather than just being HR interventions. To retain talent, spur innovation, improve performance, and achieve sustainable growth, Hyderabad's IT companies must make ongoing investments in LDPs. These programs guarantee long-term organizational resilience and competitiveness in a quickly changing technology-driven market by cultivating capable leaders and empowered staff.

IX. Recommendations

- Tailor Programs/Policies: If this data is from an organization or workforce study, training, engagement, and recognition programs should be targeted toward younger employees,
- focusing on career development, growth opportunities, and skill enhancement.
- Encourage Experience Diversity: Efforts could be made to retain and involve senior employees (36 years and above) to ensure knowledge sharing and mentorship.
- Future Research: Consider analysing how age correlates with performance, satisfaction, or recognition to identify age-based needs or preferences.
- Recruitment Strategy: If the goal is demographic balance, strategies may be introduced to attract more experienced professionals to diversify the age profile.
- Retention Strategies: Since a significant portion is at Entry Level, implement strategies to retain early-career talent, such as engagement programs and growth incentives.
- Workforce Planning: The fairly even distribution allows management to strategically plan promotions and succession while maintaining operational balance.
- Consider hiring strategies to ensure entry-level and senior-level positions have a healthy mix of age groups, promoting knowledge transfer and innovation.

REFERENCES

- [1] Akdere, M., & Egan, T. (2020) Transformational leadership and human resource development: Linking employee learning, job satisfaction, and organizational performance. *Human resource development quarterly*, 31(4), 393-421.

- [2] Asrar-ul-Haq, M., &Kuchinke, K. P. (2016). Impact of leadership styles on employees' attitude towards their leader and performance: Empirical evidence from Pakistani banks. *Future Business Journal*, 2(1), 54-64.
- [3] Aktar, S. (2023) The effect of training and development methods on employee satisfaction and performance in commercial banks. *Management Dynamics in the Knowledge Economy*, 11(1), 30-47.
- [4] Arif, S., Zainudin, H. K., & Hamid, A. (2019). Influence of leadership, organizational culture, work motivation, and job satisfaction of performance principles of senior high school in Medan city. *Budapest International Research and Critics Institute-Journal (BIRCI-Journal)*, 2(4), 239-254.
- [5] Barasa, B., & Kariuki, A. (2025). Leadership styles, managerial support and employee satisfaction of county government employees in Kenya. *Journal of Management Development*, 1-12.
- [6] Bintang, Y., Afnan, T. E., Achmad, S., &Mintarti, R. (2017). The influence of leadership orientation and employee satisfaction towards employee performance: study conducted at Papua's planning and development Agency. *Russian Journal of Agricultural and Socio-Economic Sciences*, 64(4), 76-81.
- [7] Bintang, Y., Afnan, T. E., Achmad, S., &Mintarti, R. (2017). The influence of leadership orientation and employee satisfaction towards employee performance: study conducted at Papua's planning and development Agency. *Russian Journal of Agricultural and Socio-Economic Sciences*, 64(4), 76-81.
- [8] Basir, A., & Hamidah, H. A. (2025). THE ROLE OF JOB SATISFACTION IN ENHANCING EMPLOYEES'PROPENSITY TO INNOVATE: A SYSTEMATIC LITERATURE REVIEW (YEAR: 2019-2024). *Lex localis-Journal of Local Self-Government*, 23(S4), 200-211.
- [9] Chaudhry, N. I., Jariko, M. A., Mushtaque, T., Mahesar, H. A., & Ghani, Z. (2017). Impact of working environment and training & development on organization performance through mediating role of employee engagement and job satisfaction. *European Journal of Training and Development Studies*, 4(2), 33-48.
- [10] Celestin, M., Vasuki, M., Sujatha, S., & Kumar, A. D. (2024). Enhancing employee satisfaction and engagement to boost productivity: The role of leadership, culture, and recognition programs. *International Journal of Computational Research and Development*, 9(2), 67-74.
- [11] Darmanto, S., & Supriyadi, Y. (2022). Development of employee performance model based on transactional leadership, competency, and Job satisfaction. *Jurnal Aplikasi Manajemen*, 20(2), 427-â.
- [12] Elbaz, A. M., &Haddoud, M. Y. (2017). The role of wisdom leadership in increasing job performance: Evidence from the Egyptian tourism sector. *Tourism management*, 63, 66-76.
- [13] Eliyana, A., &Ma'arif, S. (2019). Job satisfaction and organizational commitment effect in the transformational leadership towards employee performance. *European Research on Management and Business Economics*, 25(3), 144-150.
- [14] Farras, J., & Iqbal, M. A. (2025). The The Effect of Work Motivation, Training and Employee Development on Employee Performance with Job Satisfaction as a Mediating Variable. *International Journal of Social and Management Studies*, 6(3), 74-88.
- [15] Hilton, S. K., Madilo, W., Awaah, F., &Arkorful, H. (2023). Dimensions of transformational leadership and organizational performance: the mediating effect of job satisfaction. *Management Research Review*, 46(1), 1-19.

- [16] Jehanzeb, K., & Mohanty, J. (2018). Impact of employee development on job satisfaction and organizational commitment: person–organization fit as moderator. *International Journal of Training and Development*, 22(3), 171-191.
- [17] Kongkaew, W. W., & Nuangjamnong, C. (2023). A study of the effect of leadership style towards organizational culture on job satisfaction and employee performance in Bangkok. *Journal of Interdisciplinary Research (ISSN: 2408-1906)*, 8(2), 21-34.
- [18] Muhdar, H. M., Maguni, W., Muhtar, M., Bakri, B., Rahma, S. T., & Junaedi, I. W. R. (2022). The impact of leadership and employee satisfaction on the performance of vocational college lecturers in the digital era. *Frontiers in Psychology*, 13, 895346.
- [19] Morris, T. L., & Laipple, J. S. (2015). How prepared are academic administrators? Leadership and job satisfaction within US research universities. *Journal of Higher Education Policy and Management*, 37(2), 241-251.
- [20] Malik, W. U., Javed, M., & Hassan, S. T. (2017). Influence of transformational leadership components on job satisfaction and organizational commitment. *Pakistan Journal of Commerce and Social Sciences (PJCSS)*, 11(1), 147-166.
- [21] Muhdar, H. M., Maguni, W., Muhtar, M., Bakri, B., Rahma, S. T., & Junaedi, I. W. R. (2022). The impact of leadership and employee satisfaction on the performance of vocational college lecturers in the digital era. *Frontiers in Psychology*, 13, 895346.
- [22] Nguyen, C. (2020). The impact of training and development, job satisfaction and job performance on young employee retention. *Job Satisfaction and Job Performance on Young Employee Retention* (May 1, 2020).
- [23] Okechukwu, W. (2017). INFLUENCE OF TRAINING AND DEVELOPMENT, EMPLOYEE PERFORMANCE ON JOB SATISFACTION AMONG THE STAFF. *Journal of Technology Management and Business*, 4(1).
- [24] Pudyarningsih, A. R., Dwiharto, J., & Ghifary, M. T. (2020). The role of work satisfaction as a mediation leadership on employee performance. *Management Science Letters*, 10(16), 3735-3740.
- [25] Pentury, L. A., Tanuwijaya, J., & Gunawan, A. W. (2024). The Influence of Training & Development and Transformational Leadership on Job Performance: Mediated by Job Satisfaction of Banking Employees. *Jurnal Economic Resource*, 7(2), 237-249.
- [26] Ratnasari, S. L., Sutjahjo, G., & Adam, A. (2020). The effect of job satisfaction, organizational culture, and leadership on employee performance. *Annals of Tropical Medicine & Public Health*, 23.
- [27] Rawashdeh, A., Elayan, M., Shamout, M., & Saleh, M. (2020). Job satisfaction as a mediator between transformational leadership and employee performance: Evidence from a developing country. *Management Science Letters*, 10(16), 3855-3864.
- [28] Soegiarto, I., Sihite, M., & Usmany, P. (2024). The influence of training and development programs, job autonomy, and organizational culture on employee job satisfaction and performance. *International Journal of Business, Law, and Education*, 5(2), 1577-1583.
- [29] Susanto, P. C., Syailendra, S., & Suryawan, R. F. (2023). Determination of motivation and performance: Analysis of job satisfaction, employee engagement and leadership. *International Journal of Business and Applied Economics*, 2(2), 59-68.
- [30] Sabila, L., & Rizky, M. C. (2025). The Influence of Leadership, Education and Training, Career Development and Job Satisfaction on Employee Performance in the Department of Industry, Trade, Energy and Mineral Resources of North Sumatra Province. *EKOMBIS REVIEW: Jurnal Ilmiah Ekonomi dan Bisnis*, 13(4), 3245-3252.
- [31] Tafvelin, S., von Thiele Schwarz, U., & Stenling, A. (2019). Leadership training to increase need satisfaction at work: A quasi-experimental mixed method study. *Frontiers in psychology*, 10, 2175.

- [32] Wau, J. (2021). The effect of career development, work motivation, and job satisfaction on employee performance. *Jurnal Aplikasi Bisnis Dan Manajemen (JABM)*, 7(2), 262-262
- [33] Yaseen, M. (2025). The Impact of Transformational Leadership on Employee Performance: Mediating Roles of Employee Engagement and Job Satisfaction. *JRMSI- Jurnal Riset Manajemen Sains Indonesia*, 16(2), 17-31.