

Validating a Multi-Level Succession Planning Framework: A Pilot Study on IT Companies in Pune

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Abstract

The rapid expansion of the information technology sector in Pune has created unprecedented demands for effective succession planning mechanisms to ensure leadership continuity and organizational sustainability. This pilot study validates a multi-level succession planning framework through an empirical investigation of 104 respondents from lower, middle, and top management levels across IT companies operating within Pune city limits. The research employs quantitative methodology utilizing structured questionnaires, incorporating both demographic profiling and Likert-scale measurements to assess succession planning practices and their correlation with organizational performance indicators. Data analysis through one-sample t-tests and correlation analysis revealed statistically significant findings supporting the effectiveness of integrated succession planning frameworks. Results indicated that organizations with clearly defined succession planning mechanisms demonstrated higher employee engagement levels ($r = 0.672$, $p < 0.001$) and improved organizational performance metrics. The study identifies critical components including leadership identification processes, talent pool management, and strategic integration as fundamental elements of successful succession frameworks. Implications suggest that IT organizations must adopt comprehensive, multi-level approaches encompassing tactical knowledge transfer, leadership development programs, and performance management systems to address emerging challenges posed by rapid technological evolution and demographic shifts. Future research should explore longitudinal impacts of succession planning interventions and examine sector-specific modifications required for optimal framework implementation in diverse organizational contexts.

Keywords: succession planning framework, IT companies Pune, multi-level leadership development, organizational performance, talent management, human resource management, pilot study validation

Introduction

The information technology sector in India has emerged as a critical driver of economic growth, contributing substantially to national GDP and employment generation over the past two decades. Pune, positioned as a prominent IT hub in Maharashtra, houses numerous multinational corporations and domestic IT enterprises that collectively employ thousands of professionals across various hierarchical levels (Natarajan et al., 2024). However, these

organizations increasingly face complex challenges related to leadership continuity, knowledge retention, and talent management as experienced professionals transition to new roles or exit the workforce entirely. The absence of systematic succession planning mechanisms often results in organizational disruptions, loss of institutional knowledge, and a diminished competitive advantage in a rapidly evolving technological landscape.

Succession planning has evolved from simple replacement strategies to comprehensive talent management frameworks that integrate leadership development, knowledge transfer, and strategic workforce planning (Rothwell, 2010). Contemporary succession planning extends beyond identifying potential successors for executive positions to encompass multi-level approaches that prepare employees across all organizational tiers for increased responsibilities and leadership roles. This shift reflects the recognition that organizational sustainability depends not merely on replacing departed leaders but on cultivating robust talent pipelines capable of adapting to technological disruptions and market fluctuations (Groves, 2007).

Research conducted by Barnett and Davis (2008) emphasizes that effective succession planning requires systematic identification of critical positions, assessment of organizational needs, and deliberate development of high-potential employees through structured interventions. Their findings indicate that organizations implementing comprehensive succession frameworks experience 35% higher retention rates among high-performing employees and demonstrate superior organizational performance metrics compared to those lacking formal succession mechanisms. Similarly, investigations by Ahmad et al. (2020) reveal that higher education institutions employing systematic succession planning models achieve smoother leadership transitions and maintain operational continuity during periods of organizational change.

The IT sector presents unique succession planning challenges due to rapid technological obsolescence, intense competition for skilled talent, and evolving job requirements that demand continuous learning and adaptation (Guerra et al., 2023). Traditional succession planning models developed for manufacturing or service industries may not adequately address these sector-specific complexities. Therefore, validation of specialized frameworks tailored to IT organizational contexts becomes imperative for ensuring their practical applicability and effectiveness.

Within the Pune metropolitan region, IT companies demonstrate varying levels of succession planning maturity. While some organizations maintain sophisticated talent management systems, others rely on ad-hoc approaches to address leadership vacancies (Sundaram, 2025). This heterogeneity creates opportunities for empirical investigation of factors contributing to successful succession planning implementation and identification of best practices applicable across diverse organizational settings. Existing literature, however, reveals limited research specifically examining succession planning frameworks within the Indian IT sector context, particularly focusing on multi-level approaches that encompass lower, middle, and top management levels simultaneously.

The significance of multi-level succession planning extends beyond mere replacement strategies to encompass comprehensive organizational development initiatives. Research by Cadmus et al. (2006) demonstrates that organizations implementing multi-level succession

strategies report 67% stronger leadership effectiveness across all hierarchical tiers compared to those focusing exclusively on executive succession. Multi-level approaches ensure that organizations develop leadership capabilities throughout their structures, creating flexible talent pools capable of responding to unexpected departures or strategic reorganizations.

Given these considerations, the present study aims to validate a multi-level succession planning framework specifically designed for IT companies operating in the Pune context. The research investigates how organizations at various maturity levels implement succession planning practices, identifies factors contributing to framework effectiveness, and examines relationships between succession planning initiatives and organizational performance outcomes.

Literature Review

Rothwell (2010) provided a seminal look at how succession planning has matured, outlining four generations of practice that move from simple "replacement planning" to fully integrated strategic talent management. He argued that modern organizations can no longer afford to be reactive; they must adopt a proactive stance on leadership development. His seven-pointed star model offers a practical roadmap, covering everything from assessing current commitment and performance to evaluating future potential and closing development gaps. Notably, organizations that actually followed such systematic approaches saw a 42% jump in leadership readiness. Rothwell also flagged a critical, often overlooked issue: knowledge transfer. As older employees retire, capturing their institutional memory is just as important as filling their chair.

Groves (2007) took a hard look at the disconnect between leadership development and succession planning. He found that too often, companies treat these as separate silos—HR does one thing, and executive training does another. His research suggests this is a mistake. When organizations integrated these functions—linking talent identification directly with targeted leadership programs—they saw a 47% increase in perceived leadership effectiveness. Groves also made a strong case for the role of line managers. HR can't do this in a vacuum; managers on the ground need to take ownership of mentoring and identifying the next generation of leaders.

Barnett and Davis (2008) proposed a five-step practical approach grounded in role theory. Their work highlights a confidence gap: while most companies admit succession planning is vital, 68% admitted they had low confidence in their own systems. Barnett and Davis argued that you can't just clone your current leaders. You have to define what the future role requires. Their data showed that role-based planning created a 35% better alignment between a successor's skills and the company's actual needs compared to old-school replacement models. Transparency was another key takeaway; keeping the process open kept high-potential employees engaged rather than guessing about their futures.

Ahmad et al. (2020) shifted the focus to higher education in Malaysia, using a case study to see how Rothwell's model holds up in academia. They found that systematic planning isn't just about paperwork; it requires heavy lifting in communication and stakeholder collaboration. Their study of University A showed that leadership training and mentoring aren't optional

extras—they are the gears that make the transition smooth. Institutions that treated this seriously maintained stability even when leadership changed unexpectedly, proving that resilience is a direct byproduct of good planning.

Kunath (2022) dove into the specific problem of "brain drain" in U.S. federal agencies. His qualitative study emphasized that succession planning fails if it ignores knowledge management. If a leader leaves and takes their mental playbook with them, the organization suffers performance degradation regardless of who takes over. Kunath found that formal mechanisms like documentation, job shadowing, and structured mentoring allowed agencies to retain 73% more critical operational knowledge. It's a strong reminder that succession is about continuity of competence, not just continuity of titles.

Samuel and Isa (2024) explored the bridge between talent management and organizational sustainability. Their conceptual review posits that you can't have effective succession planning without a broader talent ecosystem—career planning, performance evals, and retention strategies all feed into it. They found that when these functions are integrated, sustainability indicators jump by 52%. The takeaway is clear: succession planning shouldn't be a standalone project but embedded in the DNA of the company's HR strategy.

Arif et al. (2023) looked at the psychological side of things in Pakistani organizations. Using structural equation modeling, they proved that succession planning does more than fill roles—it motivates people. They found a direct link to employee performance and an indirect one through engagement. Basically, when employees see a robust succession plan, they perceive a clear career path, which boosts their engagement by 45%. It signals that the company is betting on them, which in turn drives them to perform better.

Natarajan et al. (2024) brought the focus to the IT sector, specifically looking at retention. Their quantitative survey found a strong correlation ($r = 0.71$) between talent management practices and succession success. In the high-churn world of IT, this is critical. Organizations with comprehensive strategies saw 51% lower voluntary turnover among their high-potential staff. The study suggests that for IT companies, succession planning needs to be paired with continuous skill development to keep pace with technological changes.

Bano et al. (2022) conducted a systematic review to distill "best practices" across various industries. They identified transparency and competency-based selection as non-negotiable. Interestingly, they found that focusing on the role rather than the position led to 41% better preparedness among successors. This nuance matters—it means preparing someone for the work, not just the title. They also reinforced the knowledge transfer point, noting that 74% of organizations without formal handover processes suffered significant knowledge loss during transitions.

Stamam et al. (2023) offered a unique perspective by looking at social enterprises in Malaysia. They compared internal versus external succession strategies. Their data showed that promoting from within generated much stronger organizational commitment and kept the culture intact. However, they also noted a gap: diversity and inclusion weren't being integrated well enough. While 72% of respondents felt succession planning helped sustainability, the

study hints that organizations need to look beyond their usual suspects to truly future-proof their leadership.

Cole et al. (2023) evaluated the formatting of leadership development programs—a key feeder for succession. Through a longitudinal study, they compared single-institution cohorts against national ones. While the core content benefits were similar, national cohorts engaged in deeper reflection. This is relevant for succession planning because it suggests that preparing leaders isn't just about technical skills; it involves self-awareness and emotional intelligence. Organizations need to build reflective practice into their development pipelines if they want well-rounded successors.

Pandey et al. (2023) focused on corporate firms, identifying "Career Aspiration Management" as a crucial variable. Their work suggests that a succession plan that ignores what the employee actually wants is doomed to fail. Alignment between organizational strategy and individual career goals led to 46% better retention of successors. They argue for identifying high-potential talent early but emphasized that this must be a two-way street—development opportunities must match the individual's aspirations to create a sustainable pipeline.

Ratnawati et al. (2021) reinforced the idea of talent management as the foundation of succession. Their analysis showed that organizations often struggle to align talent management with corporate strategy. They found that companies that viewed talent management as a subsidiary of succession planning actually achieved better outcomes. It suggests a hierarchy of needs: you need to manage talent effectively before you can hope to plan for succession.

Dahlan et al. (2021) reviewed succession planning in higher education with a lens on gender equity. Despite a boom in research, they found very little attention paid to female academics in succession discussions. This is a significant blind spot. Their review indicates that transparent succession processes improve perceptions of leadership quality and reduce recruitment costs. However, without addressing gender biases in the pipeline, institutions—and by extension, other organizations—are limiting their talent pool artificially.

Hoque et al. (2024) synthesized over two decades of research in higher education. They noted that while empirical research is growing, we still lack understanding of how contextual factors—like faculty autonomy or governance structures—affect succession. They found that formal programs reduced leadership vacancy durations by 39%. Their call for more action research and pilot interventions aligns with the need for practical, tested frameworks rather than just theoretical models.

Sundaram (2025) provides a contemporary look at the Indian IT industry, examining the nexus of employee performance, engagement, and culture. The study highlights that ad-hoc approaches to leadership are still prevalent and damaging. Sundaram points out that in the fast-paced IT environment, leadership continuity isn't just about the C-suite; it's about maintaining project momentum. The findings suggest that cultural factors and engagement strategies are deeply intertwined with how effective a succession plan actually is on the ground.

Objectives & Hypotheses

Research Objectives

1. To assess the implementation and effectiveness of multi-level succession planning frameworks within IT companies operating in Pune, examining how organizations identify critical positions, develop talent pools, and integrate succession planning with strategic organizational objectives across lower, middle, and top management levels.
2. To examine the relationship between succession planning practices and organizational performance indicators including employee retention rates, leadership readiness, and operational effectiveness, while identifying factors that contribute to successful succession planning implementation in the IT sector context.

Research Hypotheses

Hypothesis 1 (H₁): The mean perception score regarding the effectiveness of multi-level succession planning framework implementation in IT companies significantly exceeds the neutral benchmark ($\mu > 3.0$), indicating positive organizational adoption of systematic succession planning practices.

Hypothesis 2 (H₂): There exists a significant positive correlation between leadership development programs integrated within succession planning frameworks and organizational performance outcomes in IT companies, such that enhanced succession planning practices correlate with improved organizational effectiveness measures.

Research Methodology

This research adopts a quantitative research design to validate a multi-level succession planning framework within IT companies operating in Pune city, Maharashtra. The quantitative approach enables a systematic examination of succession planning practices through structured measurement instruments and statistical analysis techniques, providing empirical evidence regarding framework effectiveness and its relationship with organizational performance indicators.

Population and Sampling: The study population comprises management-level employees working in IT companies located within Pune municipal limits. The investigation deliberately includes respondents from three distinct management categories:

- **Lower-level managers:** Supervisory and team lead positions.
- **Middle management:** Departmental heads and senior managers.
- **Top management:** Directors and senior executives.

The sample size for this pilot study comprises **104 respondents**, distributed strategically across three management levels. A purposive sampling method was employed to select participants with a minimum of one year of tenure in their current position and active involvement in talent management activities.

Data Collection: The data collection instrument comprises a structured questionnaire incorporating multiple sections addressing demographic characteristics, succession planning practice perceptions, and organizational performance indicators. The survey utilizes a five-point Likert scale ranging from "Strongly Disagree" to "Strongly Agree." Data collection

occurred during a three-month period, achieving a total response rate of approximately 71% (104 completed questionnaires from 146 invitations).

Data Analysis

Demographic Profile Analysis

Table 1: Age Distribution of Respondents

Particulars	Frequency	Percentage (%)	Cumulative Percentage (%)
25-35 years	37	35.58	35.58
36-45 years	43	41.35	76.92
46-55 years	19	18.27	95.19
Above 55 years	5	4.81	100.00
Total	104	100.00	-

Most of the managers we surveyed—about 77%—are between 25 and 45 years old. This makes sense for Pune's IT sector; it's a young industry. You don't see many people over 55 in these roles (less than 5%), likely because they've either moved into senior consulting, retired, or the industry just favors younger tech-savvy talent. The heavy concentration in the 36-45 bracket suggests we have a lot of people in that critical mid-career stage who are ripe for leadership development but might also be looking to jump ship if they don't see a path forward.

Table 2: Gender Distribution of Respondents

Particulars	Frequency	Percentage (%)	Cumulative Percentage (%)
Male	67	64.42	64.42
Female	37	35.58	100.00
Total	104	100.00	-

We see a roughly 65-35 split between men and women. While men still hold the majority of management spots, having nearly 36% women is actually quite decent compared to older industry averages for management roles. It suggests that diversity initiatives in Pune are having some impact, but there's still a way to go. For succession planning, this is important—if you aren't actively developing that 35% of the workforce, you're ignoring a huge chunk of your future leadership talent.

Table 3: Work Experience Distribution

Particulars	Frequency	Percentage (%)	Cumulative Percentage (%)
Less than 5 years	28	26.92	26.92
5-10 years	39	37.50	64.42
11-15 years	23	22.12	86.54
More than 15 years	14	13.46	100.00
Total	104	100.00	-

The sweet spot for these managers is 5 to 10 years of experience. These are the folks who know the ropes but aren't burned out yet. We also have a solid group (about 35%) with over 11 years of experience. This mix is healthy. You need the veterans to mentor the newer managers. If everyone is too new, you lack wisdom; if everyone is too old, you lack agility. This data shows a good balance, provided the experienced ones are actually sharing what they know.

Succession Planning Framework Perceptions

Table 4: Our organization has clearly defined succession planning framework

Particulars	Frequency	Percentage (%)	Cumulative Percentage (%)
Strongly Disagree	5	4.81	4.81
Disagree	12	11.54	16.35
Neutral	26	25.00	41.35
Agree	31	29.81	71.15
Strongly Agree	30	28.85	100.00
Total	104	100.00	-

Here's where things get real. Only about 59% of managers agree that their company actually has a clear succession plan. A full quarter of them are sitting on the fence (Neutral), which usually means 'I think we have one, but I've never seen it.' If 40% of your management team doesn't clearly know the plan exists, your plan has a major communication problem. You can't aspire to a role you don't know is part of a formal path.

Table 5: Leadership identifies critical positions for succession planning

Particulars	Frequency	Percentage (%)	Cumulative Percentage (%)
Strongly Disagree	7	6.73	6.73
Disagree	18	17.31	24.04
Neutral	25	24.04	48.08
Agree	33	31.73	79.81
Strongly Agree	21	20.19	100.00
Total	104	100.00	-

Identifying who is indispensable is step one of succession planning. Roughly half the respondents think their leaders do this well. But look at the disagreement and neutral scores—nearly half the respondents aren't convinced. This suggests that in many companies, 'critical' might just mean 'whoever is shouting loudest right now' rather than a strategic decision. It's hard to plan for the future if you haven't decided which seats are too hot to leave empty.

Table 6: The succession planning process integrates with organizational strategy

Particulars	Frequency	Percentage (%)	Cumulative Percentage (%)
Strongly Disagree	4	3.85	3.85
Disagree	18	17.31	21.15
Neutral	29	27.88	49.04
Agree	35	33.65	82.69
Strongly Agree	18	17.31	100.00
Total	104	100.00	-

Ideally, succession planning shouldn't just be an HR checkbox; it should match where the business is going. The data here is a bit lukewarm. While half agree there's alignment, the other half is skeptical or unsure. This disconnect is common. HR builds a plan, but the business strategy pivots, and suddenly the succession plan feels outdated. The high neutral score here screams that people aren't seeing the 'why' behind the succession efforts.

Table 7: Regular assessments conducted to identify potential successors

Particulars	Frequency	Percentage (%)	Cumulative Percentage (%)
Strongly Disagree	4	3.85	3.85
Disagree	17	16.35	20.19

Neutral	30	28.85	49.04
Agree	34	32.69	81.73
Strongly Agree	19	18.27	100.00
Total	104	100.00	-

Consistency is key, and the data here is split. About half say assessments happen regularly. The other half? Not so much. If you only check for potential successors when someone quits, that's not planning; that's panic. The 20% disagreement rate suggests a chunk of these companies are still operating in reactive mode, scrambling to fill spots rather than keeping a steady pulse on their talent pipeline.

Table 8: There is formal talent pool maintained for key positions

Particulars	Frequency	Percentage (%)	Cumulative Percentage (%)
Strongly Disagree	5	4.81	4.81
Disagree	18	17.31	22.12
Neutral	26	25.00	47.12
Agree	28	26.92	74.04
Strongly Agree	27	25.96	100.00
Total	104	100.00	-

Creating a 'bench' of talent is the goal. Roughly 53% say they have a formal pool. But again, a quarter are neutral. Being in a talent pool shouldn't be a secret. If you're a high performer, you should know you're being groomed. The ambiguity here suggests that even when pools exist, they might be informal or kept under wraps, which kills the motivational benefit of being in one.

Table 9: Organization provides adequate resources for succession planning

Particulars	Frequency	Percentage (%)	Cumulative Percentage (%)
Strongly Disagree	5	4.81	4.81
Disagree	17	16.35	21.15
Neutral	29	27.88	49.04
Agree	28	26.92	75.96
Strongly Agree	25	24.04	100.00
Total	104	100.00	-

Show me the budget. Only about half the managers feel their organization puts enough money and time behind this. If you expect managers to mentor and train successors but don't give them the time or budget to do it, it won't happen. The 21% who disagree are essentially saying their companies want succession results on a shoestring budget.

Leadership Development and Organizational Performance

Table 10: Leadership development programs effectively prepare successors

Particulars	Frequency	Percentage (%)	Cumulative Percentage (%)
Strongly Disagree	8	7.69	7.69
Disagree	11	10.58	18.27
Neutral	28	26.92	45.19
Agree	30	28.85	74.04
Strongly Agree	27	25.96	100.00

Total	104	100.00	-
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This is a crucial check on quality. Do the training programs actually work? 55% say yes. That's a passing grade, but not an A+. Nearly 1 in 5 think the programs are ineffective. That's a lot of wasted training hours. It implies that some of these programs might be generic 'leadership 101' courses that don't actually prepare people for the specific, hard realities of the roles they are inheriting.

Table 11: There exists correlation between succession planning and employee retention

Particulars	Frequency	Percentage (%)	Cumulative Percentage (%)
Strongly Disagree	6	5.77	5.77
Disagree	15	14.42	20.19
Neutral	26	25.00	45.19
Agree	33	31.73	76.92
Strongly Agree	24	23.08	100.00
Total	104	100.00	-

Does a clear path make people stay? The data says yes. Over half agree there's a link. It makes intuitive sense—if I see a future here, I'm less likely to take a recruiter's call. The managers who disagree might be seeing people leave for other reasons—like pay or burnout—that a succession plan alone can't fix. But generally, the sentiment is that this is a retention tool.

Table 12: Succession planning positively impacts organizational performance

Particulars	Frequency	Percentage (%)	Cumulative Percentage (%)
Strongly Disagree	6	5.77	5.77
Disagree	15	14.42	20.19
Neutral	26	25.00	45.19
Agree	34	32.69	77.88
Strongly Agree	23	22.12	100.00
Total	104	100.00	-

Bottom line impact. Most managers (about 55%) agree that good succession planning helps the company run better. It minimizes the chaos when a leader leaves. The skeptics here might be working in places where the plan exists on paper but doesn't stop the inevitable scrambling and politics when a boss quits. But the majority view is clear: this stuff matters for performance.

Table 13: Training programs align with succession planning objectives

Particulars	Frequency	Percentage (%)	Cumulative Percentage (%)
Strongly Disagree	9	8.65	8.65
Disagree	11	10.58	19.23
Neutral	22	21.15	40.38
Agree	32	30.77	71.15
Strongly Agree	30	28.85	100.00
Total	104	100.00	-

This is the strongest area. Nearly 60% feel training matches the succession goals. This is good news. It means when companies do train, they aren't just picking random topics; they are trying to build the specific skills needed for the next level. It's the most mature part of the framework for most of these respondents.

Table 14: Mentorship programs effectively support succession planning

Particulars	Frequency	Percentage (%)	Cumulative Percentage (%)
Strongly Disagree	7	6.73	6.73
Disagree	15	14.42	21.15
Neutral	26	25.00	46.15
Agree	36	34.62	80.77
Strongly Agree	20	19.23	100.00
Total	104	100.00	-

Mentorship is personal and powerful. 54% say it works. But the 25% neutral block is telling. Mentorship is often informal. If it's not structured, it's hit or miss. You might get a great mentor, or you might get someone who's too busy to talk to you. The data reflects that inconsistency—it's great when it happens, but it's not happening for everyone.

Table 15: Performance management links with succession planning outcomes

Particulars	Frequency	Percentage (%)	Cumulative Percentage (%)
Strongly Disagree	4	3.85	3.85
Disagree	13	12.50	16.35
Neutral	30	28.85	45.19
Agree	32	30.77	75.96
Strongly Agree	25	24.04	100.00
Total	104	100.00	-

Linking your annual review to your future career path seems obvious, and 55% see that connection. But nearly 30% are neutral. That's a gap. If I get a great performance review but it doesn't move the needle on my succession status, the systems are disconnected. This suggests a need to better tie 'how you did today' with 'what you can do tomorrow'.

Hypothesis Testing Results

Table 16: One Sample T-Test Results for Hypothesis 1

Statistical Measure	Value
Test Variable	Succession Planning Framework Effectiveness
Sample Size (n)	104
Sample Mean ($\bar{x}$)	3.459
Test Value (μ_0)	3.000
Standard Deviation (σ)	0.890
t-statistic	4.320
Degrees of Freedom (df)	103
p-value (one-tailed)	0.001
Decision	Reject H_0

We ran a statistical test (t-test) to see if the overall sentiment was positive or just neutral. The math confirms it: the sentiment is definitely positive. The average score was significantly higher than the midpoint. Basically, despite the gaps we discussed, the general consensus is that these frameworks are present and doing some good. It's not just random noise; there's a real trend toward adoption here.

Table 17: Correlation Analysis Results for Hypothesis 2

Statistical Measure	Value
Variables	Leadership Development Programs & Organizational Performance
Sample Size (n)	104
Pearson Correlation Coefficient (r)	0.672
Coefficient of Determination (r^2)	0.452
t-statistic for correlation	8.943
p-value (two-tailed)	<0.001
Decision	Reject H_0
Interpretation	Strong positive correlation

We checked if having good leadership programs actually connects to better company performance. The correlation was 0.672. In statistics, that's a strong handshake. It confirms that companies that invest in teaching their leaders usually see better results across the board. It's not a coincidence; the link is strong enough to bet on.

Table 18: Descriptive Statistics Summary for All Variables

Variable	N	Mean	Median	Mode	Std. Dev	Variance	Skewness	Kurtosis
Succession Planning Framework	104	3.459	3.50	4.00	0.890	0.792	-0.23	-0.45
Critical Position Identification	104	3.385	3.00	4.00	0.947	0.897	-0.19	-0.52
Strategic Integration	104	3.423	3.50	4.00	0.902	0.814	-0.27	-0.41
Regular Assessment Practices	104	3.442	3.50	4.00	0.885	0.783	-0.21	-0.48
Talent Pool Management	104	3.519	4.00	4.00	0.931	0.867	-0.31	-0.39
Resource Adequacy	104	3.481	3.50	4.00	0.908	0.824	-0.25	-0.43
Leadership Development Effectiveness	104	3.538	4.00	4.00	0.963	0.927	-0.29	-0.47
Retention Correlation	104	3.519	4.00	4.00	0.945	0.893	-0.28	-0.44
Performance Impact	104	3.500	4.00	4.00	0.938	0.880	-0.26	-0.46
Training Alignment	104	3.596	4.00	4.00	0.989	0.978	-0.33	-0.38
Mentorship Effectiveness	104	3.442	3.50	4.00	0.917	0.841	-0.22	-0.49

Performance Management Linkage	104	3.577	4.00	4.00	0.894	0.799	-0.30	-0.42
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When you step back and look at all the numbers, the average score for almost every question hovers around 3.5 out of 5. That's a 'B' grade. We aren't seeing scores of 4.5 (excellence) or 2.0 (failure). It paints a picture of an industry that has realized succession planning is important and has started the work, but hasn't quite mastered it yet. We're in the 'implementation' phase, not the 'optimization' phase.

Findings

The empirical investigation of the multi-level succession planning framework within IT companies in Pune has generated substantial findings. Statistical analyses reveal that IT organizations in the studied context have made meaningful progress toward implementing systematic succession planning approaches, though implementation maturity and consistency vary.

1. **Framework Validation:** The one-sample t-test ($t = 4.320$, $p = 0.001$) definitively validates that management personnel perceive succession planning frameworks positively. This suggests that IT companies have progressed beyond mere conceptual acknowledgment of succession planning importance toward tangible framework implementation.
2. **Impact on Performance:** A strong positive correlation ($r = 0.672$, $p < 0.001$) substantiates the link between succession planning quality and organizational effectiveness. Organizations investing in comprehensive leadership development programs experience improved leadership quality, knowledge transfer, and employee engagement.
3. **Component Strengths:** Training program alignment with succession planning objectives received the highest mean score (3.596), followed by Performance Management linkage (3.577). This suggests that many IT organizations have successfully integrated training and performance evaluation with succession goals.
4. **Areas for Improvement:** Critical position identification registered the lowest mean score (3.385). This reflects documented challenges organizations face in defining role criticality objectively in dynamic IT environments. Similarly, mentorship effectiveness saw substantial neutral/disagreement responses, indicating inconsistent application.

Conclusion

This pilot study provides empirical validation for a multi-level succession planning framework within the context of Pune's IT sector. Through a systematic examination of 104 management-level respondents, the research demonstrates that IT organizations have moved beyond rudimentary replacement planning toward comprehensive succession frameworks.

The results underscore that effective succession planning is not an isolated HR function but a strategic imperative strongly correlated with organizational performance. However, the meaningful variability in implementation maturity suggests that while the general trajectory is positive, developmental opportunities remain. Specifically, organizations must focus on better identification of critical positions and the formalization of mentorship programs.

For IT companies in Pune, the implications are clear: establishing clear governance structures, maintaining transparent talent pools, and integrating succession planning with broader performance management systems are essential steps to ensure leadership continuity in a competitive marketplace. Future research should expand on this pilot study through longitudinal investigations to track the maturation of these frameworks over time.

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