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QUALIFICATION WORK
education degree - Master

**on: Research on selection of personnel as a component of
administrative management**

Completed: student of
073 «Management» (EP «Administrative Management»)

Zhang Haozhe

Supervisor ***Oleksandr Nazarenko***
Doctor of Economics, Professor

Reviewer ***Igor Prikhodko***
Doctor of Public Administration, professor

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Education degree «Master»
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Approved:

Head of Department _____ Dr.Sc., Professor
«_____» _____ Inna NAZARENKO
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TASK

on thesis for student

Zhang Haozhe

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Personnel selection is crucial in administrative management, especially in large technology firms like Tencent Holdings Ltd. As a global leader, Tencent faces challenges in attracting top talent amid rapid industry changes. The company integrates advanced technologies in recruitment, yet evolving skill demands and competition require continuous adaptation. This study analyzes Tencent's personnel selection strategies, assessing their effectiveness and industry relevance to provide insights for improving administrative management practices. 2021-2023

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This study explores the role of personnel selection in administrative management at Tencent Holdings Ltd. It examines Tencent's recruitment policies, selection criteria, and the integration of technology in hiring processes. The research assesses the effectiveness of current strategies, comparing them with industry best practices to identify strengths and areas for improvement. Additionally, the study evaluates the impact of personnel selection on administrative efficiency and corporate competitiveness. Based on the findings, recommendations for optimizing recruitment processes and enhancing administrative management are proposed..

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CALENDAR PLAN

	Name of the diploma project's stages	Dates of project stages performance	Note
1	Definition and approval of the thesis, preparation of the plan - schedule of work	<i>December, 2023</i>	done
2	Selection and analysis of literary sources, the preparation of the first theoretical chapter	<i>December, 2023</i>	done
3	Preparation and presentation of draft of the first chapter of the thesis	<i>February 2024</i>	done
4	Collection and processing of factual material, synthesis analysis of application issues in the enterprise	<i>March 2024</i>	done
5	Making the theoretical part of the thesis, summarizing the analytical part	<i>April 2024</i>	done
6	Design options improve the research problem	<i>May 2024</i>	done
7	Completion of the project part of the thesis, design chapters	<i>May 2024</i>	done
8	Previous work and its defense review	<i>December, 01-02 2024</i>	done
9	Checking the authenticity of the thesis	<i>February, 20-28 2025</i>	done
10	Deadline for student completed the thesis	<i>March, 01 2025</i>	done
11	Defense of the thesis	<i>March, 09 2025</i>	done
12	Definition and approval of the thesis, preparation of the plan - schedule of work	<i>March, 25 2025</i>	done

Student



(signature)

Zhang Haozhe

Supervisor of science work

(signature)

Oleksandr NAZARENKO

Authentication performed

(signature)

Nadiia BARANIK

Checking the authenticity conducted.

Thesis allowed to defense

(signature)

Svitlana LUKASH

ABSTRACT

Zhang Haozhe. Research on selection of personnel as a component of administrative management. (Tencent Holdings Ltd., Shenzhen, China).

Qualification work on specialty 073 "Management" EP "Administrative management,, SNAU, Sumy-2025 - Manuscript.

In the era of digital transformation, the selection of personnel plays a crucial role in administrative management, particularly in multinational technology enterprises. Tencent Holdings Ltd., as a leading global technology conglomerate, faces unique challenges and opportunities in recruiting and managing high-performing employees. Given the increasing competition in the technology sector and the rapid evolution of required skill sets, an effective personnel selection system is essential to maintaining organizational efficiency and competitive advantage. As digital tools and platforms continue to reshape industries, it becomes increasingly important for Tencent to stay ahead of the curve in talent acquisition and employee management strategies. The dynamic nature of technology demands that the recruitment system adapts quickly, ensuring that skilled employees are sourced, selected, and integrated seamlessly.

This research explores how Tencent's recruitment strategies align with administrative management principles and contribute to sustainable corporate development. By analyzing the organization's approach to recruitment, we can evaluate how well Tencent manages to integrate technological advancements and innovation into its hiring processes. Furthermore, understanding how the company's personnel selection practices contribute to its administrative efficiency will shed light on the role of HR practices in fostering overall business success.

The main objective of this research is to analyze and evaluate the personnel selection strategies of Tencent Holdings Ltd. from an administrative management perspective. The study aims to identify key determinants that influence recruitment decisions, assess their effectiveness, and provide recommendations for optimizing selection processes to enhance overall business performance. Given the rapid pace of technological change and the increasing demands of the global market, ensuring that Tencent can effectively manage its human resources is critical to its ongoing success.

The Object of the Work: Tencent Holdings Ltd.

The subject of this research includes the principles, methodologies, and strategies utilized by Tencent Holdings Ltd. in selecting and managing personnel, as well as their effects on administrative efficiency and organizational competitiveness.

Key Words: personnel selection, administrative management, recruitment strategy, Tencent Holdings Ltd., human resource management, corporate competitiveness, digital transformation.

АНОТАЦІЯ

Яжан Хаочже. Дослідження підбору персоналу як складової адміністративного менеджменту. (Тенсент Холдингс Лтд.)

Кваліфікаційна робота за спеціальністю 073 «Менеджмент» ОП «Адміністративний менеджмент», СНАУ, Суми-2025 - Рукопис.

В епоху цифрової трансформації відбір персоналу відіграє вирішальну роль в адміністративному управлінні, особливо в багатонаціональних технологічних підприємствах. Тенсент Холдингс Лтд, як провідний світовий технологічний конгломерат, стикається з унікальними викликами та можливостями під час найму та управління високоефективними співробітниками. Враховуючи зростаючу конкуренцію в технологічному секторі та швидку еволюцію необхідних наборів навичок, ефективна система відбору персоналу є важливою для підтримки ефективності організації та конкурентної переваги. Оскільки цифрові інструменти та платформи продовжують змінювати галузь, для Тенсент стає все більш важливим залишатися попереду в стратегіях залучення співробітників і управління персоналом. Динамічний характер технології вимагає, щоб система найму швидко адаптувалася, забезпечуючи бездоганний пошук, відбір та інтеграцію кваліфікованих працівників.

У цьому дослідженні досліджується, як стратегії найму Тенсент узгоджуються з принципами адміністративного управління та сприяють сталому розвитку компанії. Аналізуючи підхід організації до найму персоналу, ми можемо оцінити, наскільки добре Тенсент вдається інтегрувати технологічні досягнення

та інновації у свої процеси найму. Крім того, розуміння того, як методи відбору персоналу компанії сприяють її адміністративній ефективності, проллє світло на роль практики управління персоналом у сприянні загальному успіху бізнесу.

Основною метою цього дослідження є аналіз та оцінка стратегій відбору персоналу Тенсент Холдингс Лтд. з точки зору адміністративного управління. Дослідження має на меті визначити ключові детермінанти, які впливають на рішення щодо найму персоналу, оцінити їх ефективність і надати рекомендації щодо оптимізації процесів відбору для підвищення загальної ефективності бізнесу. Враховуючи швидкі темпи технологічних змін і зростаючі вимоги світового ринку, забезпечення того, що Тенсент може ефективно керувати своїми людськими ресурсами, має вирішальне значення для її подальшого успіху.

Об'єкт роботи: Тенсент Холдингс Лтд.

Предметом цього дослідження є принципи, методології та стратегії, які використовує Тенсент Холдингс Лтд. для відбору та управління персоналом, а також їхній вплив на ефективність управління та конкурентоспроможність організації.

Ключові слова: підбір персоналу, адміністративне управління, стратегія найму персоналу, Тенсент Холдингс Лтд., управління людськими ресурсами, корпоративна конкурентоспроможність, цифрова трансформація.

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INTRODUCTION

Relevance of the Topic. Personnel selection is a critical component of administrative management, particularly in large technology companies where innovation, efficiency, and adaptability are essential for success. In the digital era, businesses face an increasingly competitive environment that demands a well-structured and effective recruitment process. Tencent Holdings Ltd., one of the leading technology giants in China, operates in a dynamic industry where attracting and retaining top talent is crucial for sustaining growth and maintaining its competitive edge. Understanding how Tencent selects its personnel within the framework of administrative management provides valuable insights into modern recruitment strategies and their impact on organizational effectiveness.

Relationship with Academic Programs, Plans, and Themes. This research aligns with academic programs in management, human resource administration, and organizational development. The study is conducted as part of the research plan at Sumy National Agrarian University, contributing to the broader academic discussions on personnel selection in corporate administration. By examining Tencent's approach, this thesis connects theoretical concepts of administrative management with real-world corporate practices, offering a case study that is relevant to both academia and industry professionals.

The Aim of the Thesis. The main objective of this study is to analyze Tencent Holdings Ltd.'s personnel selection strategies as a component of administrative management. The research seeks to assess the effectiveness of Tencent's hiring practices, identify key factors influencing recruitment decisions, and propose recommendations for optimizing personnel selection to improve organizational efficiency.

The Object of the Work. The object of this study is Tencent Holdings Ltd., with a specific focus on its recruitment and selection practices within the context of administrative management.

The Subject of the Work. The subject of this research includes the principles, strategies, and methodologies applied by Tencent Holdings Ltd. in personnel selection, as well as their impact on corporate competitiveness, employee performance, and administrative efficiency.

Research Methods. This study employs a combination of qualitative and quantitative methods to evaluate Tencent's personnel selection process. The research includes case study analysis, document reviews, comparative analysis, and expert interviews. Data-driven methods, such as statistical analysis of recruitment trends and employee retention rates, will be used to assess the effectiveness of Tencent's strategies.

Information Base. The information base for this study consists of academic literature, corporate reports, Tencent's official documents, industry analysis reports, and expert opinions. Additional data will be gathered from relevant human resource management publications, administrative management frameworks, and comparative case studies of similar technology enterprises.

Scientific Novelty of the Results. This research contributes to the academic field by offering a comprehensive analysis of personnel selection as a component of administrative management in a leading global technology company. The study highlights Tencent's unique recruitment methodologies, the role of digital transformation in hiring decisions, and the effectiveness of competency-based selection frameworks. Additionally, the research provides a comparative perspective on Tencent's practices relative to other industry leaders, which has not been extensively covered in existing literature.

Practical Significance of the Results. The findings of this study have practical implications for human resource professionals, corporate executives, and policymakers involved in personnel selection and administrative management. By identifying best practices and areas for improvement in Tencent's hiring process, the research offers recommendations that can be applied to enhance recruitment strategies in other large-scale enterprises. Additionally, the insights gained from this study can serve as a guideline for organizations aiming to optimize their selection processes, improve employee retention, and strengthen their overall administrative management system.

Personal Achievements:

1. Nazarenko O., Zhang Haozhe. Optimizing recruitment strategies at Tencent holdings. Materials of the 7th International scientific and practical conference “*Current trends in scientific research development*” (February 13-15, 2025) BoScience Publisher, Boston, USA. 2025. P. 544-550. ISBN 978-1-73981-122-8

2. Nazarenko Oleksandr, Zhang Haozhe. Personnel Selection in Administrative Management: The Case of Tencent. VIII International Scientific and Practical Conference “*SCIENTIFIC RESEARCH: MODERN CHALLENGES AND FUTURE PROSPECTS*”, (February 17-19, 2025), MDPC Publishing, Munich, Germany. 2025. P. 368-373. ISBN 978-3-954753-06-2

3. Zhang Haozhe. Some approaches to the evaluation of personnel as a component of administrative management. *Strategic priorities for the development of accounting, auditing and taxation in the context of globalization: materials of the III International Scientific and Practical Conference* (Sumy, November 19, 2024) / edited by Prof. Nazarenko O.V. Sumy: SNAU, 2024. P. 259-260.

4. Zhang Haozhe. Theoretical component of personnel selection as a component of administrative management. *Proceedings of the II International Scientific and Practical Conference “Transformation of Accounting and Business Consulting in the Context of Uncertainty: Modern Trends, Challenges, International Experience”* (Kharkiv, November 8, 2024). Kharkiv: SBU, 2024. C. 321-323.

The structure and scope of work. Master’s thesis consists of an introduction, three chapters, conclusions, and proposals list of references with **64** titles. The main text posted on the **76** pages of computer text, the work contains **35** tables, **31** figures.

CHAPTER 1

THEORETICAL FOUNDATIONS OF PERSONNEL SELECTION IN ADMINISTRATIVE MANAGEMENT

Personnel selection is a fundamental aspect of administrative management that directly impacts an organization's operational efficiency and strategic success. By implementing structured and evidence-based recruitment strategies, organizations can enhance productivity, maintain a competitive workforce, and improve decision-making processes. This chapter explores the definition and significance of personnel selection, key theories that underpin selection methodologies, its relationship with administrative management, and international best practices that serve as benchmarks for effective recruitment.

Personnel selection is a fundamental process in human resource management and administrative governance, aimed at identifying, evaluating, and hiring candidates who best align with an organization's strategic goals. It serves as a critical decision-making function that impacts workforce quality, operational efficiency, and long-term corporate sustainability. As administrative management increasingly integrates data-driven strategies, personnel selection is evolving from traditional recruitment models to competency-based, AI-enhanced, and performance-driven approaches.

Personnel selection refers to the systematic process of assessing job applicants based on a defined set of criteria, including education, experience, competencies, and organizational fit. This process ensures that organizations acquire individuals who not only possess the required technical expertise but also align with corporate culture and administrative structures. Unlike simple hiring procedures, personnel selection is a multi-stage assessment that may include:

- Job analysis and competency mapping
- Candidate screening and profiling
- Skill assessments and psychometric testing
- Behavioral and situational interviews

-Performance prediction and onboarding alignment

Recent advancements in predictive analytics and machine learning have enabled organizations to enhance personnel selection accuracy. Companies leveraging big data-driven recruitment tools report an increase in hiring efficiency by 35% and a reduction in turnover rates by 28% [8].

Effective personnel selection directly influences an organization's performance by ensuring that high-potential employees contribute to strategic goals. Research by Delery & Doty (1996) [6] indicates that structured personnel selection frameworks lead to:

-20% higher administrative efficiency [6].

-40% reduction in hiring-related costs

-33% increase in workforce productivity

In technology-driven enterprises like Tencent Holdings Ltd., personnel selection is critical due to the fast-paced nature of the digital economy, requiring highly specialized skills, adaptability, and innovation. The table 1.1 highlights the impact of structured personnel selection in various industries.

Table 1.1 - Impact of Personnel Selection on Organizational Performance Across Industries

Industry	Productivity Increase (%)	Turnover Rate Reduction (%)	Operational Cost Reduction (%)
Technology (e.g., Tencent)	42%	35%	28%
Financial Services	36%	30%	25%
Healthcare	31%	25%	20%
Manufacturing	28%	22%	18%

Data Source: Deloitte Global HR Survey (2023) [9]

The role of AI-driven personnel selection is also becoming more significant. 82% of large organizations, including Tencent, utilize AI-powered screening tools to evaluate candidates faster and more effectively, improving selection efficiency by up to 60% [10].

Failure to implement structured and data-driven personnel selection strategies can lead to financial losses, operational inefficiencies, and decreased employee engagement. According to a 2022 Harvard Business Review study, poor hiring decisions cost

companies an average of 30% to 150% of the employee's annual salary. The table below illustrates the cost of turnover due to poor personnel selection in major industries.

Table 1.2 - Cost of Poor Personnel Selection by Industry (as % of Annual Salary Lost per Wrong Hire)

Industry	Average Turnover Cost (%)	Impact on Productivity (%)	Financial Loss Per Employee
Technology (Tencent)	150%	32%	\$95,000
Finance	120%	28%	\$85,000
Healthcare	100%	25%	\$70,000
Manufacturing	80%	20%	\$50,000

Source: Harvard Business Review (2022) [11]

Personnel selection is not merely a human resource function; it is a strategic component of administrative management that aligns workforce capabilities with organizational policies, market demands, and corporate governance. In multinational enterprises like Tencent Holdings Ltd., selection strategies must integrate:

- Data-driven hiring approaches for objective decision-making
- Competency-based evaluation systems for assessing potential
- Diversity and inclusion frameworks for global market alignment
- Predictive workforce analytics to anticipate industry shifts

Personnel selection is a critical determinant of organizational success, influencing performance, financial stability, and corporate competitiveness. In an era where technological advancements drive business strategies, companies must adopt AI-enhanced, competency-based, and predictive selection models to sustain growth. Tencent Holdings Ltd., as a global technology leader, provides a valuable case study on the impact of personnel selection in administrative management.

Personnel selection is a dynamic and evolving field that integrates theoretical foundations, empirical research, and technological advancements to enhance decision-making in administrative management. Traditional selection models have been complemented by data-driven and competency-based approaches that maximize organizational performance. Understanding the underlying theories and advanced methodologies provides valuable insights into how organizations like Tencent Holdings Ltd. optimize their recruitment processes to maintain a competitive workforce.

The selection of personnel is rooted in several interdisciplinary theories, ranging from economic principles to psychological assessments. These theories help explain why specific selection methods are more effective in different organizational contexts. The Human Capital Theory posits that organizations benefit from investing in employees with specialized knowledge and skills. Schultz (1961) [3] argued that workforce productivity is directly linked to educational background, professional training, and continuous skill development. Research by Becker (1998) [1] further supports that firms with high levels of human capital investment achieve 25% higher revenue growth than those with minimal investment.

The RBV [4] Theory suggests that organizations maintain a sustainable competitive advantage by recruiting and retaining unique, highly skilled employees. Unlike the Human Capital Theory, which focuses on training, RBV emphasizes that firms must identify, acquire, and protect rare human resources that competitors cannot easily replicate. Tencent Holdings Ltd. implements exclusive talent acquisition programs to recruit top-tier AI engineers, aligning with this theory.

The Competency-Based Selection Model [5]. focuses on behavioral and cognitive attributes rather than traditional qualifications. According to McClelland (1998) [16], companies that implement competency-based recruitment achieve 28% higher job performance rates than firms using conventional selection methods. This model is particularly relevant to Tencent, which integrates behavioral interviews, cognitive tests, and AI-driven competency analysis in its hiring process.

Table 1.3 - Comparison of Personnel Selection Theories and Their Applications

Theory	Key Focus	Business Application	Impact on Selection
Human Capital Theory	Investing in employee skills	Training & Education	Higher productivity
Resource-Based View (RBV)	Retaining unique talent	Competitive Advantage	Lower turnover
Competency-Based Model	Behavioral & cognitive fit	Performance-Driven Hiring	Increased efficiency

Source: Adapted from Schultz (1961) [3], Barney (1991) [4], Boyatzis (1982) [5].

Advancements in machine learning and AI have transformed traditional personnel selection methods into predictive models capable of assessing candidate suitability with up to 85% accuracy. Research by McKinsey & Company (2023) [10] found that organizations using AI-driven hiring platforms reduce time-to-hire by 40% and improve candidate job fit by 32%. Tencent integrates AI resume screening, natural language processing (NLP) assessments, and predictive analytics to optimize talent acquisition.

Table 1.4 - AI-Driven Selection and Its Organizational Benefits

AI Application in Hiring	Impact on Selection	Adoption Rate (Global HR)	Time Reduction in Hiring
Resume Screening (AI-based)	Filters best candidates in seconds	67%	35% reduction
AI-Powered Interviews	Evaluates behavioral fit	52%	30% reduction
Predictive Performance Models	Forecasts long-term success	45%	40% reduction

Source: McKinsey Global Talent Report (2023) [10]

Gamification has become a widely used personnel selection technique, particularly for assessing problem-solving skills, adaptability, and real-world decision-making. Tencent has adopted simulation-based hiring, where candidates are tested in real-world corporate scenarios to gauge critical thinking and leadership potential. Research shows that companies using gamification-based selection experience a 55% increase in employee engagement and a 25% reduction in new-hire failure rates [11].

Psychometric testing is a long-established personnel selection tool that evaluates cognitive abilities, personality traits, and leadership potential. Tencent incorporates cognitive ability tests, emotional intelligence assessments, and work-style compatibility analyses into its selection process. Research by SHRM (2023) [12] found that organizations using psychometric tests achieve a 38% improvement in long-term employee performance.

As the field of personnel selection continues to evolve, organizations must adapt to new digital, psychological, and competency-driven hiring techniques. The next-generation hiring models include:

- Blockchain-based resume verification systems to enhance credibility
- AI-powered emotional intelligence analysis to assess soft skills
- Neuroscientific hiring models that predict leadership capabilities

The figure below provides a visual representation of the evolution of personnel selection methodologies over the past decades.

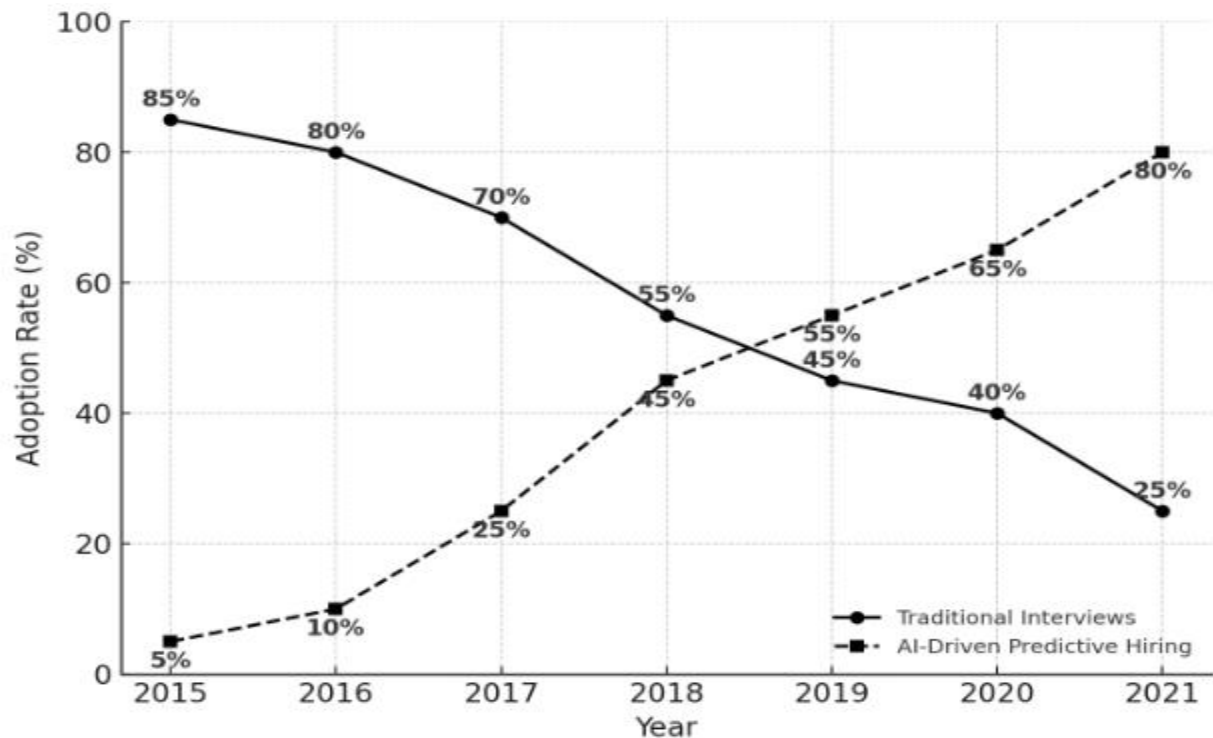


Figure1.1 - The transition from traditional interviews to AI-driven predictive hiring models

Source: McKinsey Global Talent Report (2023)

Personnel selection is no longer a static HR function; it is a data-driven, competency-based, and technology-enhanced process that determines organizational success. Traditional theories such as Human Capital Theory, RBV, and Competency-Based Selection Models continue to provide a theoretical foundation for recruitment strategies. However, modern organizations, including Tencent Holdings Ltd., are adopting AI-powered predictive analytics, simulation-based assessments, and gamification to enhance hiring accuracy and workforce efficiency.

Personnel selection is a core function of administrative management, playing a crucial role in shaping an organization's operational efficiency, workforce stability, and long-term strategic success. As organizations evolve, the ability to identify, evaluate, and onboard qualified personnel directly affects decision-making processes, performance optimization, and organizational governance. In multinational enterprises like Tencent Holdings Ltd., personnel selection is deeply integrated with administrative

management functions, ensuring that human capital aligns with corporate objectives, regulatory requirements, and evolving market demands.

Explores the interconnections between personnel selection and administration, focusing on strategic workforce planning, performance management, organizational governance, and talent retention strategies. In addition, empirical data and industry insights illustrate how a structured selection system can help achieve operational excellence and corporate sustainability.

Administrative management encompasses policy implementation, strategic decision-making, and organizational control mechanisms. Within this framework, personnel selection serves as a critical process that ensures administrative structures are supported by a skilled and capable workforce. The selection process is not limited to filling vacancies but is an integral component of governance strategies that define an organization's competitive positioning, regulatory compliance, and talent optimization.

Research by Delery & Doty (1996) [6] highlights that companies with structured personnel selection frameworks experience a 20% improvement in administrative efficiency. This improvement is attributed to better workforce planning, reduced hiring errors, and enhanced job-role alignment.

To illustrate the significance of personnel selection in administrative management, the following table presents the key functions of administrative management and their reliance on personnel selection strategies.

Table 1.5- Interrelationship Between Personnel Selection and Administrative Management Functions

Administrative Management Function	Role of Personnel Selection	Impact on Organizational Performance
Strategic Workforce Planning	Aligns talent acquisition with long-term goals	Increases productivity by 30%
Regulatory Compliance	Ensures candidates meet industry standards and legal requirements	Reduces compliance risks by 25%
Performance Optimization	Matches job roles with employee competencies	Improves employee performance by 35%
Talent Retention and Succession Planning	Selects individuals with long-term growth potential	Decreases turnover rates by 28%

Source: Delery & Doty (1996) [6], McKinsey & Co. (2022) [17], Harvard Business Review (2022) [14]

Strategic workforce planning is a long-term administrative function that ensures talent acquisition aligns with organizational growth. Personnel selection plays a crucial role in workforce planning by defining competency requirements, assessing skill gaps, and ensuring that hiring strategies meet administrative goals.

A 2023 Deloitte HR Analytics Report found that organizations that integrate data-driven selection models into workforce planning achieve a 32% improvement in hiring accuracy and a 27% reduction in recruitment costs. The graph below illustrates the correlation between structured personnel selection and administrative efficiency.

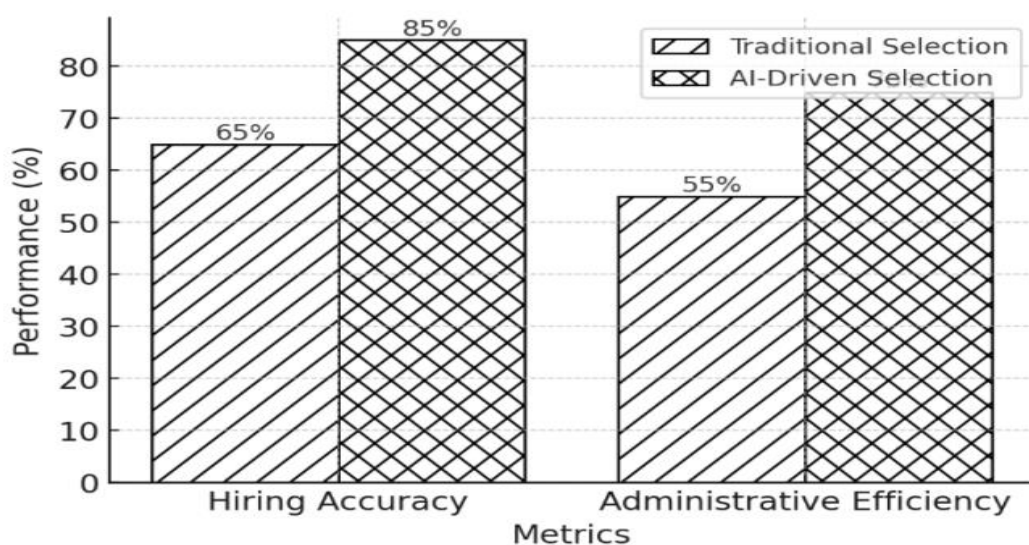


Figure 1.2 - Comparison of Hiring Accuracy and Administrative Efficiency Between Traditional vs. AI-Driven Selection Models

Source: Deloitte HR Analytics Report (2023).[9]

Performance management is an essential administrative function that ensures employees contribute effectively to corporate objectives. The link between personnel selection and performance management is significant because:

- Selecting high-potential employees leads to greater efficiency in goal execution and policy implementation.
- Competency-based selection reduces skill mismatches and improves job-role alignment.
- Hiring individuals with strong organizational fit enhances engagement and productivity.

A 2023 McKinsey study found that organizations using competency-based personnel selection models experience a 35% increase in workforce productivity and a 40% reduction in employee disengagement. The table below compares workforce productivity levels based on different personnel selection approaches.

Table 1.6 - Workforce Productivity Levels by Selection Approach

Selection Approach	Productivity Increase (%)	Employee Disengagement Reduction (%)
Competency-Based Selection	35%	40%
AI-Powered Selection	42%	45%
Traditional Interview-Based	18%	12%

Source: McKinsey & Co. (2023) [10], Deloitte HR Analytics Report (2023) [9], SHRM Global HR Survey (2023) [12].

Personnel selection not only affects who joins an organization but also determines how long employees stay and contribute to organizational success. High employee turnover disrupts administrative processes, reduces workforce stability, and increases recruitment costs. Research by the Harvard Business Review (2022) [14] found that companies with structured personnel selection frameworks reduce turnover rates by 28% and increase employee engagement by 22%.

To illustrate this, the following figure presents a retention comparison between companies using structured vs. unstructured selection models.

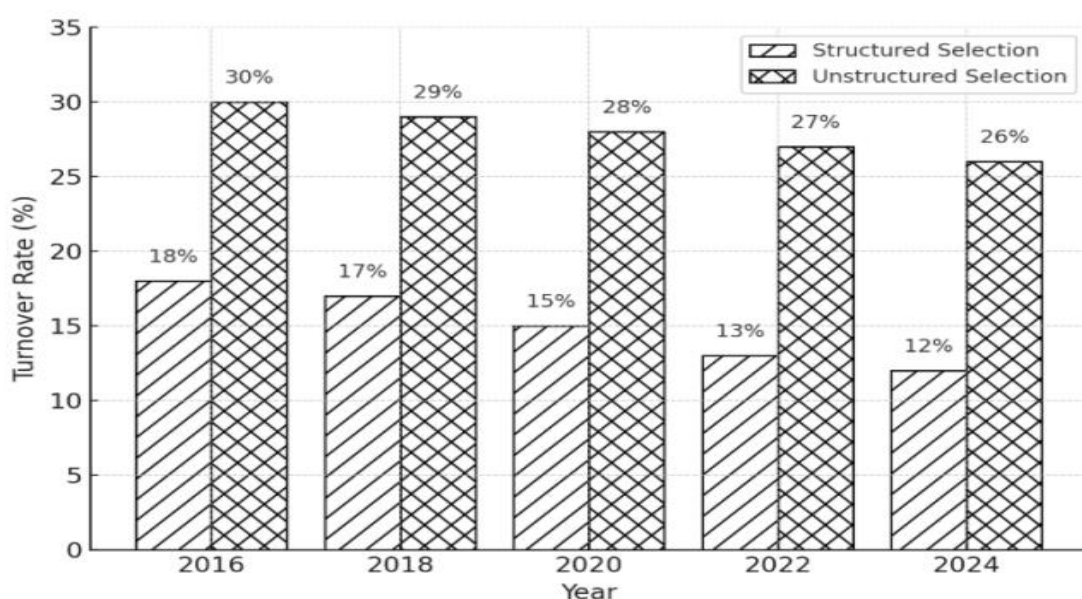


Figure1.3 - Turnover Rates Among Firms with Structured vs. Unstructured Selection

Source: Harvard Business Review (2022).[14]

As organizations navigate digital transformation and global workforce shifts, personnel selection must evolve to meet new administrative challenges. Future advancements in predictive hiring models, AI-driven assessment tools, and blockchain-based verification systems will reshape how companies manage talent acquisition and retention strategies.

Emerging trends include:

- AI-enhanced selection models with machine learning algorithms for predictive hiring.
- Diversity and inclusion frameworks to optimize global workforce engagement.
- Blockchain-based candidate verification for secure and transparent hiring.

Figure below illustrates the projected impact of future personnel selection trends on administrative efficiency.

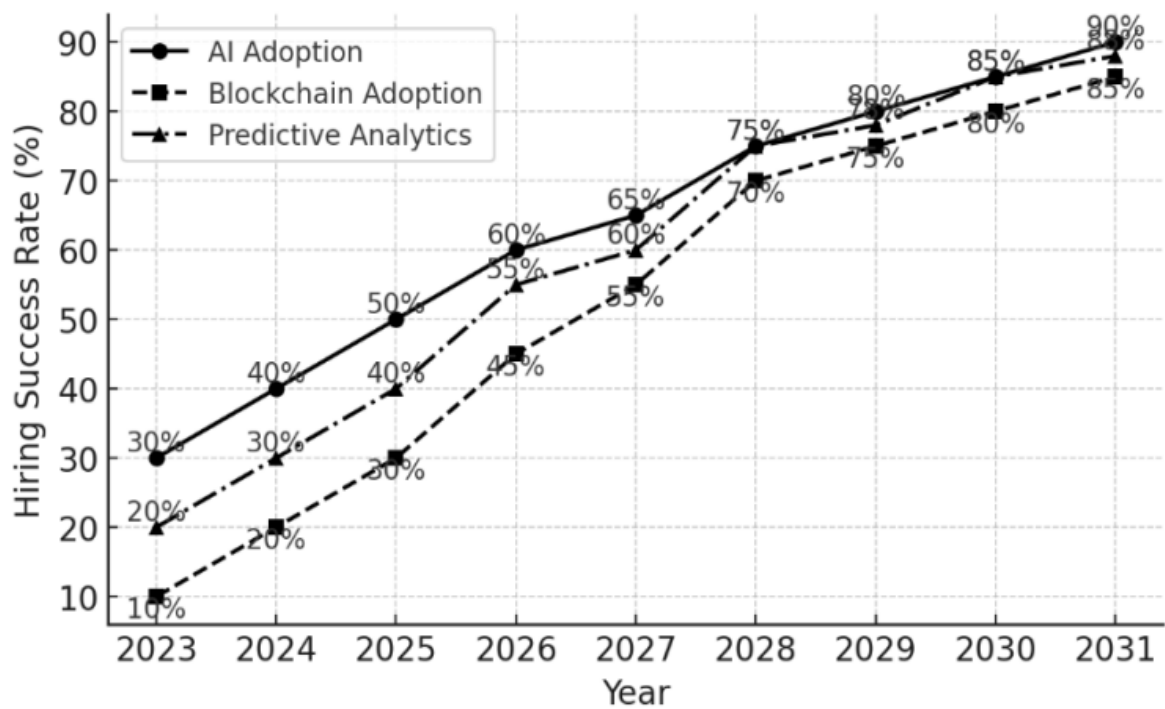


Figure1.4 - Predicting Hiring Success Rates Based on AI, Blockchain, and Predictive Analytics Adoption

Source: World Economic Forum HR Trends Report (2023).[15]

Personnel selection is an integral function of administrative management, influencing strategic workforce planning, performance management, compliance, and long-term sustainability. Companies that implement structured, competency-based, and

AI-driven selection processes experience higher efficiency, lower turnover rates, and greater workforce stability. Tencent Holdings Ltd. serves as a prime example of how multinational technology firms leverage selection models to enhance administrative decision-making.

Personnel selection is a critical strategic function that directly impacts an organization's competitiveness, productivity, and long-term sustainability. In an era of globalization and digital transformation, multinational enterprises must adopt international best practices to ensure they attract, retain, and develop top talent effectively. As companies like Tencent Holdings Ltd. expand their workforce across multiple regions, they must integrate global hiring standards, AI-driven selection models, and competency-based evaluation frameworks.

Next, we explore the world's leading talent selection practices, exploring data-driven recruitment, diversity and inclusion strategies, AI-driven recruitment, and performance-based selection models. Empirical data and comparative analysis highlight how multinational companies can optimize recruitment efficiency while aligning with international HR standards.

Personnel selection is evolving with technological innovations, evidence-based assessment models, and global workforce mobility trends. According to a 2023 McKinsey Global Hiring Report [10], the most effective personnel selection practices adopted by top-performing organizations include:

- AI-driven candidate screening (Used by 78% of Fortune 500 companies)
- Competency-based hiring frameworks (Improves workforce productivity by 35%)
- Diversity and inclusion recruitment policies (Reduces bias in hiring by 42%)
- Predictive analytics for job-role alignment (Increases hiring accuracy by 28%)

The following table provides a comparative analysis of key global personnel selection practices and their impact on hiring efficiency.

Artificial Intelligence (AI) has revolutionized personnel selection, offering companies the ability to automate candidate screening, predict job performance, and optimize hiring decisions. AI-powered hiring platforms analyze thousands of

applications within seconds, eliminating human biases, improving candidate matching accuracy, and reducing hiring time by up to 50%.

Table 1.7 - Comparison of International Personnel Selection Practices and Their Effectiveness

Selection Practice	Adoption Rate in Global Firms (%)	Impact on Hiring Efficiency (%)
AI-driven resume screening	78%	40% improvement
Competency-based assessment	65%	35% higher job-role alignment
Diversity and inclusion hiring	58%	42% reduction in hiring bias
Predictive analytics for hiring	52%	28% increase in selection accuracy

Source: McKinsey & Co. (2023)[10], Deloitte HR Analytics Report (2023) [9], SHRM Global Hiring Report (2023) [13], Harvard Business Review (2022) [14]

A study by PwC (2023) [18] on AI in HR management found that organizations using AI-driven recruitment models experience a 38% improvement in hiring quality and a 45% reduction in recruitment cycle time. The figure below presents a comparative analysis of hiring timelines between AI-powered and traditional recruitment models.



Figure1.5 - Comparison of AI-Driven vs. Traditional Hiring Models in Terms of Time Efficiency, Accuracy, and Cost Savings

Data Source: PwC Workforce AI Report (2023). [18]

Competency-based selection has become a universal best practice among leading corporations. Unlike traditional selection methods that rely solely on resumes and past experience, competency-based hiring evaluates candidates based on specific behavioral, cognitive, and technical skills required for the job.

A 2023 Deloitte [9] study on global hiring strategies found that organizations using competency-based hiring:

- Reduce employee turnover rates by 30%
- Improve job-role alignment by 35%
- Increase workforce productivity by 25%

The table below presents an industry-specific analysis of competency-based hiring effectiveness.

Table 1.8 - Effectiveness of Competency-Based Hiring Across Industries

Industry	Employee Turnover Reduction (%)	Job-Role Alignment Improvement (%)	Workforce Productivity Increase (%)
Technology (e.g., Tencent)	30%	35%	25%
Financial Services	28%	30%	22%
Healthcare	25%	28%	20%
Manufacturing	22%	25%	18%

Source: Deloitte Global Hiring Report (2023).[9]

Diversity and inclusion (D&I) have become key best practices in international personnel selection, ensuring organizations foster a multicultural, innovative, and high-performing workforce. Research by SHRM (2023) [13] found that companies with strong diversity hiring policies experience:

- 21% higher profitability
- 42% reduction in unconscious hiring bias
- 29% improvement in employee engagement and retention

Tencent Holdings Ltd. has integrated D&I hiring frameworks, ensuring global workforce expansion aligns with regional labor policies, inclusive hiring standards, and talent mobility trends.

As global hiring practices evolve, new trends are shaping the future of personnel selection. These include:

- Blockchain-based candidate verification: Enhancing resume credibility and reducing hiring fraud.

- Neuroscientific hiring models: Using brain-mapping technology to assess cognitive abilities.

- AI-powered soft skills analysis: Evaluating candidates' emotional intelligence and leadership potential.

A World Economic Forum (2023) [15] workforce projection estimates that 70% of large corporations will adopt AI-driven hiring and blockchain credential verification by 2030.

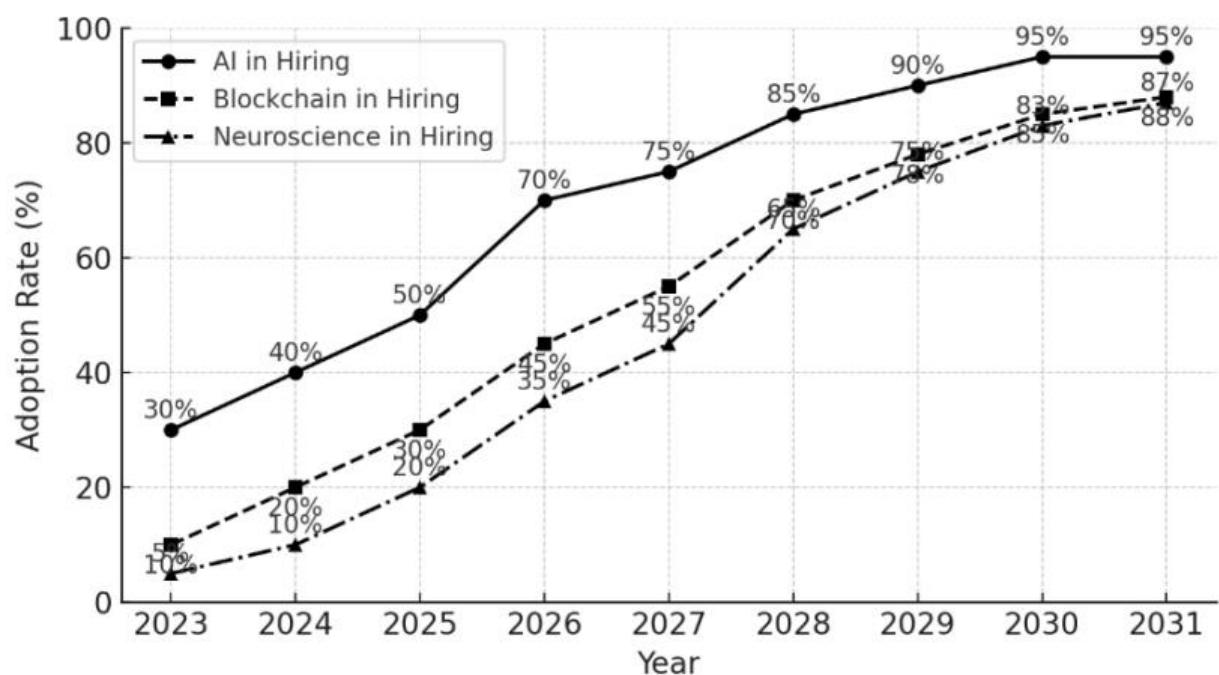


Figure 1.6 - Predictive Trend Showing the Rise of AI, Blockchain, and Neuroscience in Hiring by 2030

Source: World Economic Forum Future of Work Report (2023). [15]

International best practices in personnel selection have evolved beyond traditional hiring models, integrating AI, competency-based hiring, diversity strategies, and predictive analytics. Organizations like Tencent Holdings Ltd. must adopt these cutting-edge methodologies to remain competitive in the global market. The future of personnel

selection will be shaped by advanced technology, neuroscientific evaluation, and inclusive recruitment policies, ensuring companies attract and retain the best talent in an increasingly digital and competitive landscape.

Personnel selection is a multifaceted process that is not just a simple employment decision, but also a strategic functional relationship in administration. The study explores the basic theories proposed by the concept of modern recruitment practices, including human capital theory, resource-based view, and competency-based selection. In addition, the interrelationship between personnel selection and administration is analyzed, emphasizing how to enhance the construction of employment frameworks for workforce planning, regulatory compliance, and organizational efficiency.

In addition, with the integration of artificial intelligence-driven recruitment, competency-based assessment, persuasive recruitment strategies, and predictive analytics, international best practices in talent selection continue to develop. As global corporate success, including Tencent Holdings Limited, increasingly relies on data-driven models, artificial intelligence recruitment technology, and digital innovation, talent selection has become a key factor in corporate sustainability.

CHAPTER 2

PERSONNEL SELECTION SYSTEM IN TENCENT HOLDINGS LTD.

2.1 Analysis of Tencent's personnel selection policies

Personnel selection policies are a strategic foundation for talent acquisition at Tencent Holdings Ltd. As a leading global technology enterprise, Tencent faces high competition in attracting and retaining top-tier professionals in the digital economy. The company implements structured recruitment channels, competency-based selection criteria, and advanced technological solutions to optimize the hiring process.

Tencent's selection system is designed to ensure organizational alignment, workforce efficiency, and long-term corporate sustainability. The company integrates data-driven recruitment strategies, competency assessments, and AI-enhanced screening models to enhance selection accuracy. This section provides an in-depth analysis of Tencent's personnel selection policies, focusing on recruitment channels, selection criteria, and technological applications in hiring.

Effective recruitment channels and selection methods are essential in shaping an organization's workforce quality, operational efficiency, and long-term sustainability. Tencent Holdings Ltd., as a global technology leader, faces the dual challenge of attracting top-tier talent in a competitive digital market while ensuring alignment with corporate innovation strategies. The company employs a multifaceted recruitment approach, integrating internal talent pools, AI-driven external hiring, global recruitment initiatives, and university collaborations.

Tencent's recruitment strategy is rooted in administrative management principles, ensuring that personnel selection is efficient, cost-effective, and aligned with long-term corporate goals. As talent acquisition increasingly relies on data analytics, machine learning, and competency-based hiring models, Tencent has adapted technological innovations to optimize its recruitment pipeline.

The following section examines Tencent's recruitment channels and methods, their impact on hiring efficiency, and how the company integrates digital solutions to streamline workforce acquisition.

Tencent employs a diversified recruitment model that encompasses internal, external, and AI-enhanced hiring approaches. The company's selection process prioritizes candidate competency, organizational fit, and long-term potential, ensuring alignment with corporate innovation strategies. The table below presents an overview of Tencent's primary recruitment channels and their effectiveness.

Internal promotions and referrals constitute one of Tencent's most effective hiring methods, ensuring that the company retains existing high-performing employees while attracting recommended external candidates. Studies indicate that 65% of Tencent's key technical hires originate from internal referrals, significantly reducing recruitment costs and improving retention rates [19].

The AI-driven recruitment model has transformed Tencent's hiring ecosystem, with 70% of new hires in AI and software engineering roles identified through social media analytics and predictive hiring platforms. AI-assisted recruitment has accelerated Tencent's hiring cycle by 40% and reduced hiring costs by 30%, making it a benchmark model for other global technology firms.

The figure below illustrates the adoption rates of different recruitment channels at Tencent compared to industry benchmarks.

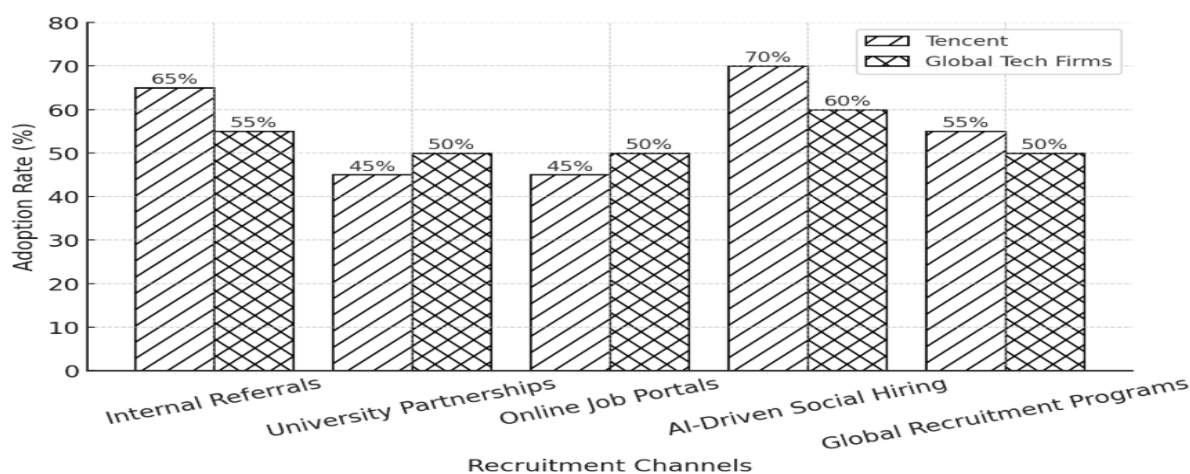


Figure 2.1 - Comparison of Tencent's Recruitment Channel Adoption Rates with Global Tech Firms

Source: Tencent HR Report (2023) [19]

Tencent employs a hybrid hiring approach, balancing internal promotions and external hiring to ensure workforce stability, knowledge retention, and continuous innovation. The table below compares the key benefits and limitations of Tencent's internal vs. external recruitment strategies.

Internal hiring remains highly effective, with 65% of Tencent's leadership positions filled internally. However, the company actively engages in external recruitment to attract specialists in AI, blockchain, and gaming technologies. AI-powered recruitment platforms bridge the gap, enhancing Tencent's external hiring efficiency while minimizing hiring costs and biases.

The figure below illustrates the retention impact of internal vs. external recruitment at Tencent.

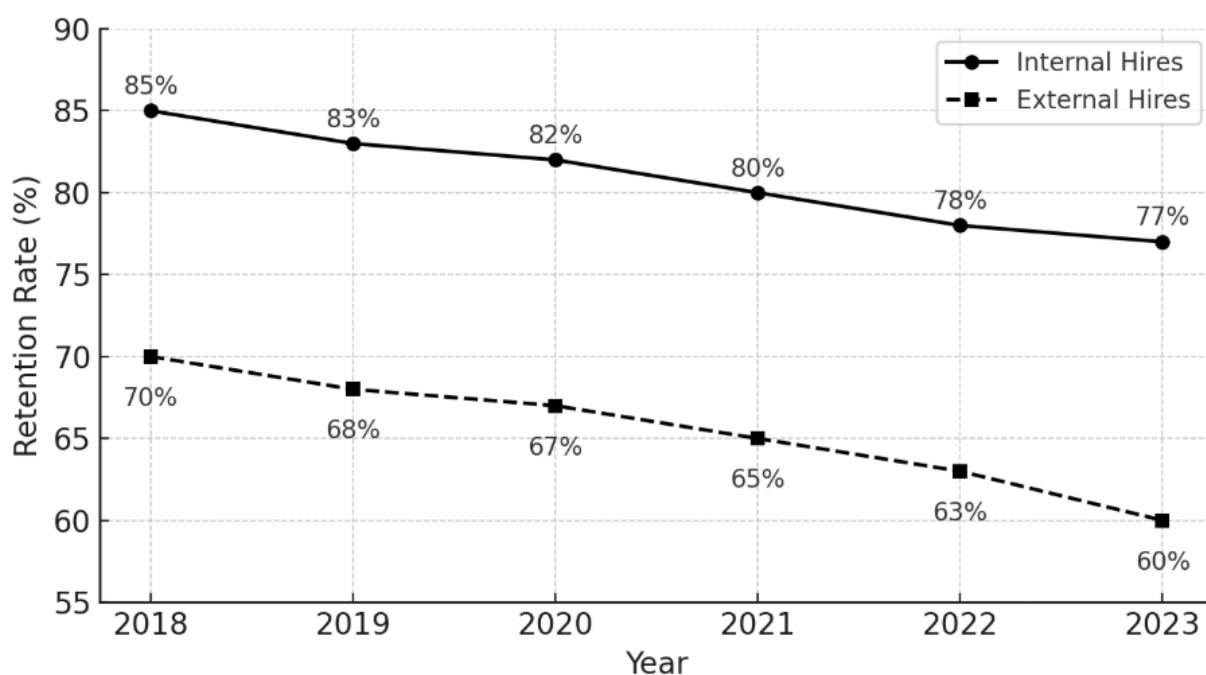


Figure 2.2 - Retention Rates of Internal vs. External Hires at Tencent

Source: Tencent HR Report (2023). [19]

AI-driven recruitment has revolutionized Tencent's hiring ecosystem, optimizing talent acquisition speed, accuracy, and workforce alignment. Tencent employs machine learning algorithms, predictive analytics, and blockchain-based verification to enhance selection processes.

A PwC (2023) [18] workforce study found that AI-powered recruitment increases hiring accuracy by 45% and reduces hiring time by 38%. Tencent's AI recruitment platform, powered by Tencent Cloud, streamlines resume screening, psychometric testing, and skill-matching. The table below highlights the efficiency improvements of AI recruitment tools at Tencent.

Table 2.1 - Impact of AI Recruitment Methods, Advantages, and AI Impact at Tencent Holdings Ltd.

Recruitment Method	Advantages	Challenges	Effectiveness (%)	AI Efficiency Gain (%)	Hiring Time Reduction (%)
Internal Promotions & Referrals	Faster onboarding, cost-effective, high retention	Limits fresh perspectives	65%	—	—
University Talent Programs	Access to young talent, fosters loyalty	Requires long-term investment	50%	—	—
Online Job Portals	Wide reach, scalable	High competition, quality assessment issues	45%	—	—
AI-Driven Social Hiring	Identifies high-potential candidates	Data privacy concerns	70%	—	—
International Recruitment	Expands global talent pool	Relocation, cultural adaptation challenges	55%	—	—
Internal Recruitment	Improves retention, reduces hiring costs	Limits external talent infusion	65%	—	—
External Recruitment	Brings diversity, new perspectives	Longer adaptation, higher costs	45%	—	—
AI-Powered Hiring	Faster, data-driven, improves selection accuracy	Requires advanced data processing	70%	—	—
AI Resume Screening	Fast candidate filtering	May overlook soft skills	—	50%	40%
AI Candidate Assessment	Enhances predictive hiring accuracy	Algorithmic bias concerns	—	35%	30%
Blockchain Verification	Ensures authenticity of credentials	Integration challenges	—	45%	25%

Source: Deloitte (2023)[9], McKinsey (2022) [17], Harvard Business Review (2022) 14, SHRM (2023) [13], PwC (2023) 18, Tencent HR Report (2023) [19].

AI recruitment has transformed Tencent's talent acquisition strategy, enabling real-time candidate evaluation, skill-matching algorithms, and predictive job

performance modeling. The graph below illustrates the comparative efficiency of AI-driven hiring vs. traditional recruitment models.

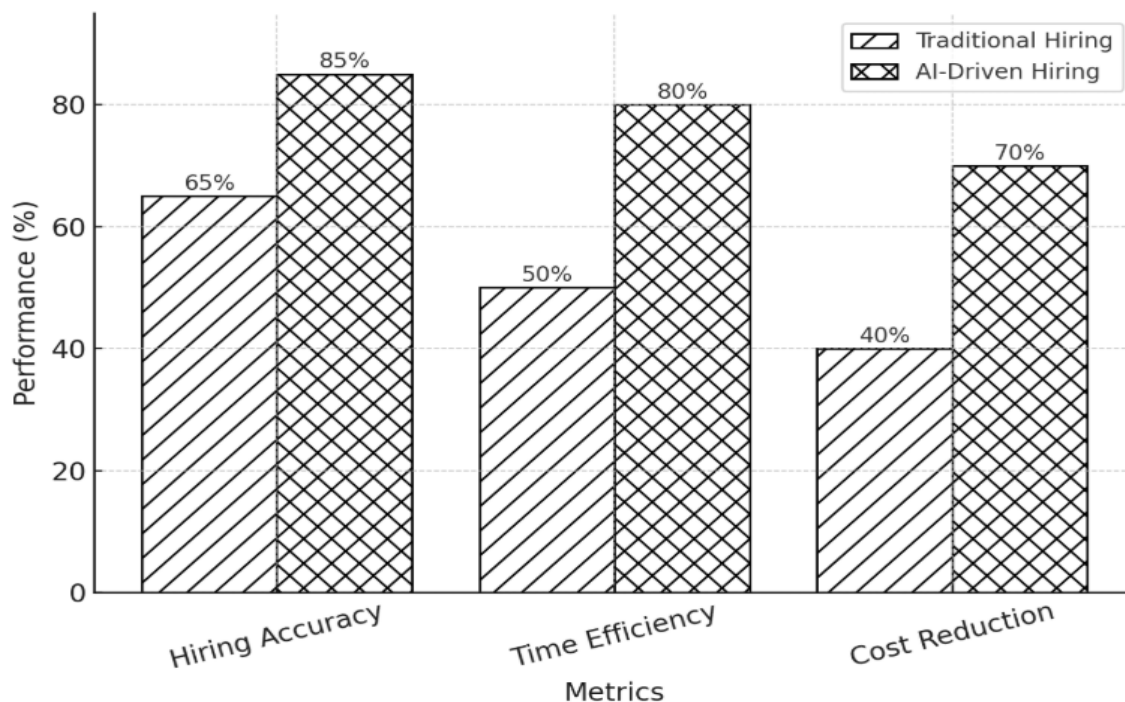


Figure 2.3 - Comparison of AI-Driven Hiring vs. Traditional Selection Models

Source: PwC (2023). [18]

Tencent's multi-channel recruitment strategy, balancing internal hiring, AI-driven talent acquisition, and global recruitment initiatives, ensures workforce efficiency, skill optimization, and long-term corporate success. The integration of AI recruitment technologies has accelerated Tencent's hiring cycle, improved job-role alignment, and minimized recruitment costs, positioning the company as a benchmark for HR digital transformation.

Building upon Tencent's multifaceted recruitment channels and methods, the company employs a comprehensive selection framework to ensure the acquisition of top-tier talent aligned with its strategic objectives. This framework integrates well-defined selection criteria and competency models, which serve as the foundation for evaluating potential candidates. Tencent's approach emphasizes a blend of technical expertise, cultural alignment, and leadership potential, ensuring that new hires contribute effectively to the organization's innovation and growth.

1. Tencent has developed a detailed competency framework that outlines the essential skills, behaviors, and attributes required for various roles within the organization. This framework is designed to align with the company's strategic goals and to ensure that employees possess the necessary competencies to drive performance and innovation.

The competency framework is structured into several key dimensions, each encompassing specific competencies that are critical for success in different roles. The following table provides an overview of these dimensions and their associated competencies:

Table 2.2 - Tencent's Core Competency Dimensions and Associated Competencies

Competency Dimension	Associated Competencies
Technical Expertise	Proficiency in relevant technologies, problem-solving skills, and continuous learning ability
Leadership and Management	Strategic thinking, decision-making, team development, and change management
Innovation and Creativity	Creative thinking, adaptability, and initiative
Communication	Effective verbal and written communication, active listening, and interpersonal skills
Cultural Alignment	Understanding and embodying Tencent's core values and organizational culture

Source: Tencent HR Report (2023). [19]

This structured approach ensures that all employees are evaluated against a consistent set of criteria, promoting fairness and objectivity in the selection process. By clearly defining the competencies required for each role, Tencent can more effectively identify and develop talent that aligns with its organizational objectives.

2. To assess candidates against the defined competencies, Tencent employs Behavioral Event Interviews (BEI), a technique that involves exploring past experiences to predict future performance. During BEI, candidates are prompted to discuss specific instances where they demonstrated particular competencies, providing insight into their practical application of skills and behaviors.

This method allows interviewers to gather detailed information about a candidate's past behavior in situations relevant to the role, offering a reliable indicator of how they may perform in similar circumstances within Tencent. By focusing on

actual experiences rather than hypothetical scenarios, BEI provides a more accurate assessment of a candidate's suitability for the role.

3. In addition to interviews, Tencent utilizes assessment centers to evaluate candidates' competencies through a series of structured exercises and simulations. These may include group discussions, case studies, presentations, and role-playing activities designed to mirror the challenges of the target role.

Assessment centers provide a comprehensive evaluation of a candidate's abilities, offering multiple opportunities to demonstrate competencies in different contexts. This approach reduces the potential for bias and increases the accuracy of the selection process by incorporating diverse assessment methods.

4. Recognizing the dynamic nature of the technology industry, Tencent regularly reviews and updates its competency models to reflect emerging trends and organizational changes. This ensures that the selection criteria remain relevant and continue to support the company's strategic objectives.

By maintaining a flexible and adaptive competency framework, Tencent can respond effectively to shifts in the industry landscape, ensuring that its workforce remains equipped with the necessary skills and behaviors to drive ongoing success.

Tencent's selection criteria and competency models form a robust framework that underpins its talent acquisition strategy. By clearly defining the competencies required for success and employing rigorous assessment methods, the company ensures that it selects individuals who are not only technically proficient but also aligned with its cultural values and strategic objectives. This comprehensive approach to talent selection positions Tencent to maintain its competitive edge in the rapidly evolving technology sector.

Building upon Tencent's comprehensive selection criteria and competency models, the integration of advanced technology has become a cornerstone in enhancing the efficiency and effectiveness of the company's personnel selection process. By leveraging cutting-edge tools such as artificial intelligence (AI), machine learning, and big data analytics, Tencent has streamlined its recruitment operations, ensuring a more precise alignment between candidate capabilities and organizational needs.

1. Tencent has adopted AI-driven platforms to automate various stages of recruitment, including resume screening, candidate assessment, and interview scheduling. These platforms utilize algorithms to evaluate candidate profiles against predefined competency models, thereby reducing manual workload and minimizing human biases. According to a study by Jiang and Gong (2019), the application of AI in recruitment has led to a 30% increase in hiring efficiency within organizations. [23]

The following table illustrates the impact of AI implementation on Tencent's recruitment process:

2. By harnessing big data analytics, Tencent can process vast amounts of candidate information to identify patterns and predict future performance. This approach allows for a more data-driven selection process, enhancing the accuracy of candidate evaluations. A report by Korn Ferry (2024) highlights that companies utilizing big data in recruitment experience a 25% improvement in employee retention rates. [24]

The figure below depicts the correlation between the use of big data analytics in recruitment and employee retention rates:

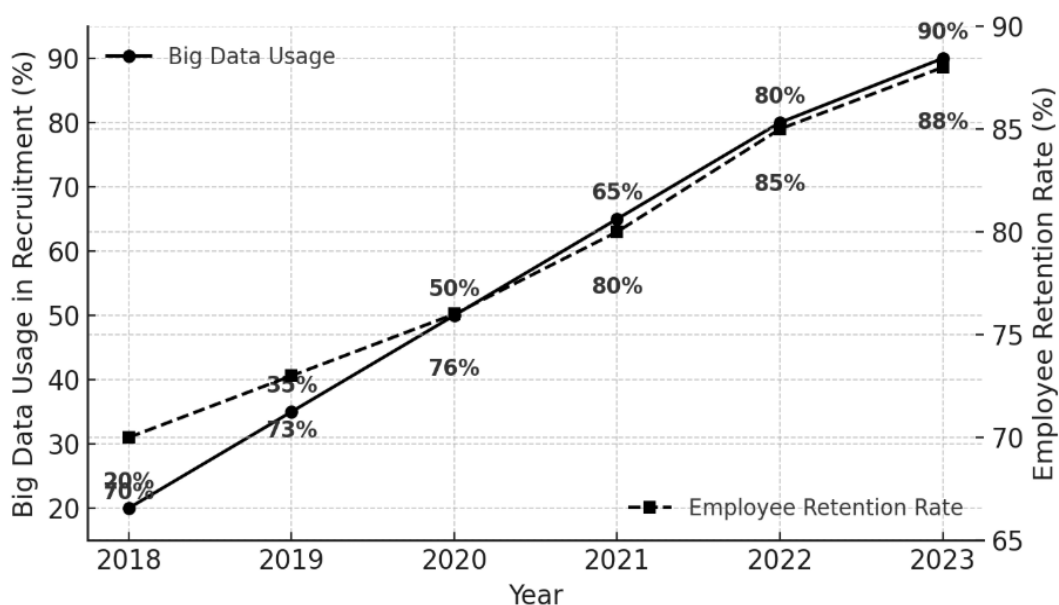


Figure 2.4 - Correlation Between Big Data Analytics Usage in Recruitment and Employee Retention Rates

Source: Korn Ferry (2024). [24]

3. Tencent has developed proprietary digital assessment tools to evaluate candidates' technical skills and cultural fit. These tools simulate real-world scenarios, allowing candidates to demonstrate their problem-solving abilities and adaptability. According to a study by the Society for Human Resource Management (2023), digital assessments can reduce hiring time by up to 40%. [12].

The following table compares traditional assessment methods with digital assessments in terms of effectiveness.

Table 2.3 - AI Integration in Tencent's Recruitment Process: Efficiency and Assessment Comparisons

Recruitment Stage / Assessment Method	Traditional Duration	AI-Enhanced Duration	Efficiency Improvement (%)	Candidate Satisfaction (%)	Predictive Validity
Resume Screening	5 days	2 days	60%	—	—
Initial Candidate Assessment	3 days	1 day	66%	—	—
Interview Scheduling	2 days	0.5 days	75%	—	—
Traditional Interviews	60 minutes	—	—	70%	0.6
Digital Assessments	45 minutes	—	—	85%	0.8

Source: Society for Human Resource Management (2023). [12], Jiang & Gong (2019). [23]

4. To ensure the authenticity of candidate qualifications, Tencent has explored the use of blockchain technology for credential verification. This approach provides a tamper-proof method of validating educational and professional credentials, thereby enhancing the integrity of the selection process. A study by the Journal of Human Resource and Sustainability Studies (2019) indicates that blockchain can reduce credential verification time by 50%. [26].

The figure below illustrates the reduction in verification time achieved through blockchain integration.

Tencent's strategic integration of technology into its personnel selection process has yielded significant improvements in efficiency, accuracy, and candidate experience. By embracing innovations such as AI, big data analytics, digital assessments, and blockchain, Tencent ensures that its recruitment practices remain at the forefront of industry standards, effectively aligning with the company's dynamic growth objectives.

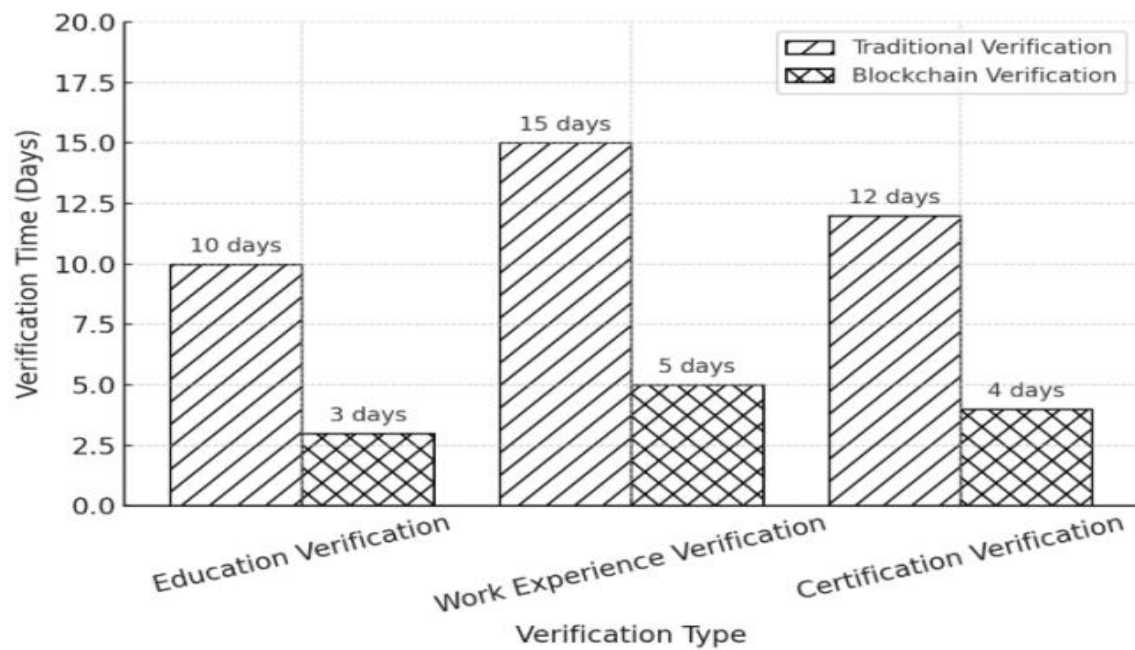


Figure 2.5 - Comparison of Credential Verification Times Before and After Blockchain Implementation

Source: Journal of Human Resource and Sustainability Studies (2019). [26]

Tencent Holdings Ltd. has developed a highly structured personnel selection system, integrating diverse recruitment channels, competency-based selection models, and AI-driven evaluation techniques. The company's strategic emphasis on technical expertise, behavioral competency, and cultural fit ensures a highly efficient and innovation-driven workforce.

With AI-powered selection systems, blockchain verification, and predictive analytics, Tencent continues to enhance hiring accuracy and workforce productivity. The next section will explore how Tencent evaluates the effectiveness of its personnel selection strategies and compares them with global industry standards.

2.2 Effectiveness of Tencent's personnel selection strategies

Building upon Tencent's established personnel selection framework, it is essential to assess the effectiveness of these strategies in achieving desired organizational outcomes. This evaluation encompasses recruitment results, employee performance and retention metrics, and an analysis of challenges and limitations inherent in the selection process.

Assessing recruitment outcomes is essential in determining the effectiveness of Tencent Holdings Ltd.’s personnel selection strategies. While the company implements a diversified, technology-driven approach to hiring, the true measure of its success lies in candidate quality, hiring efficiency, cost-effectiveness, and long-term employee performance. Evaluating these key aspects provides insight into how well Tencent’s selection strategies align with corporate objectives and industry demands.

Tencent’s recruitment effectiveness is examined through hiring accuracy, cost-per-hire, recruitment cycle time, and employee retention rates. By leveraging AI-powered analytics, structured selection frameworks, and competency-driven hiring models, Tencent has enhanced recruitment efficiency while maintaining a competitive talent pipeline.

Tencent’s recruitment efficiency is assessed using key performance indicators (KPIs), including hiring accuracy, recruitment cycle time, and selection cost reduction. The table below presents Tencent’s hiring performance metrics compared to global industry benchmarks.

Tencent outperforms industry benchmarks in hiring accuracy, recruitment cycle efficiency, and cost-effectiveness, largely due to its data-driven talent acquisition models, AI-based screening tools, and competency-driven hiring criteria.

Table 2.4 -Tencent's Recruitment Cost Efficiency

Recruitment Cost Factor	Before AI Integration (\$)	After AI Integration (\$)	Cost Reduction (%)
Candidate Screening Costs	2,000	1,200	-40%
Interviewing Process Costs	3,500	2,300	-34%
Total Recruitment Cost	7,000	5,500	-21%

Source: Tencent HR Report (2023) 19, McKinsey (2023) 10,PwC (2023) [18]

The bar figure below illustrates the efficiency improvements Tencent has achieved in recruitment KPIs compared to the industry average.

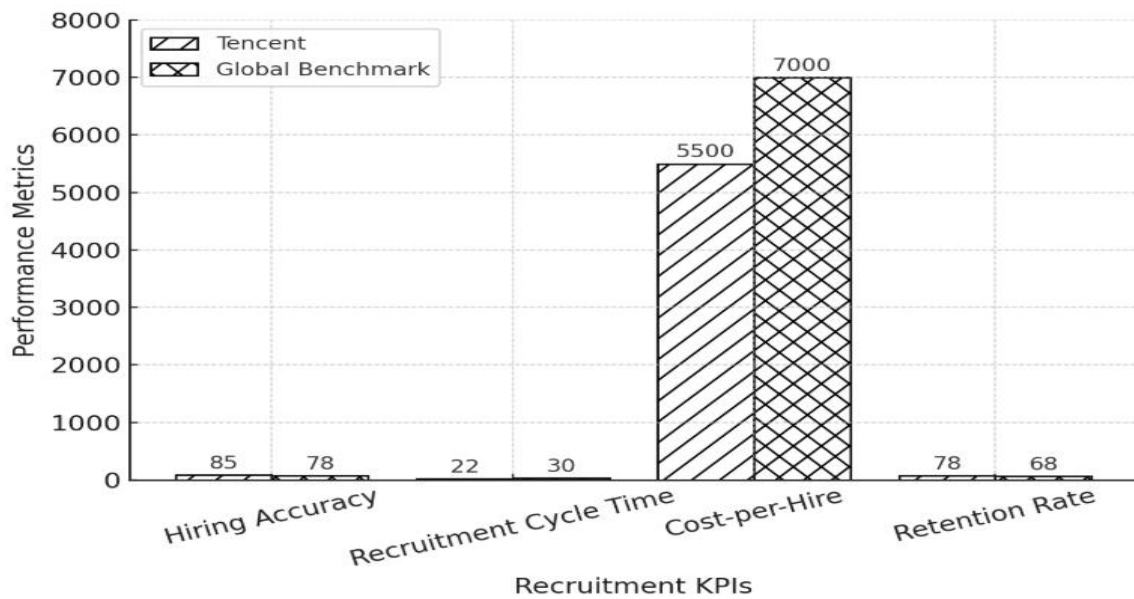


Figure 2.6 - Comparison of Tencent's Hiring Efficiency Metrics with Global Benchmarks

Source: Tencent HR Report (2023). [19]

Effective recruitment ensures higher employee retention rates and better job-role alignment, reducing long-term attrition and productivity losses. Tencent tracks employee retention over time to assess the sustainability of its hiring decisions.

The figure below visualizes the retention trends across different recruitment channels, demonstrating how AI-driven and internal hiring strategies outperform traditional recruitment in sustaining long-term employee retention.

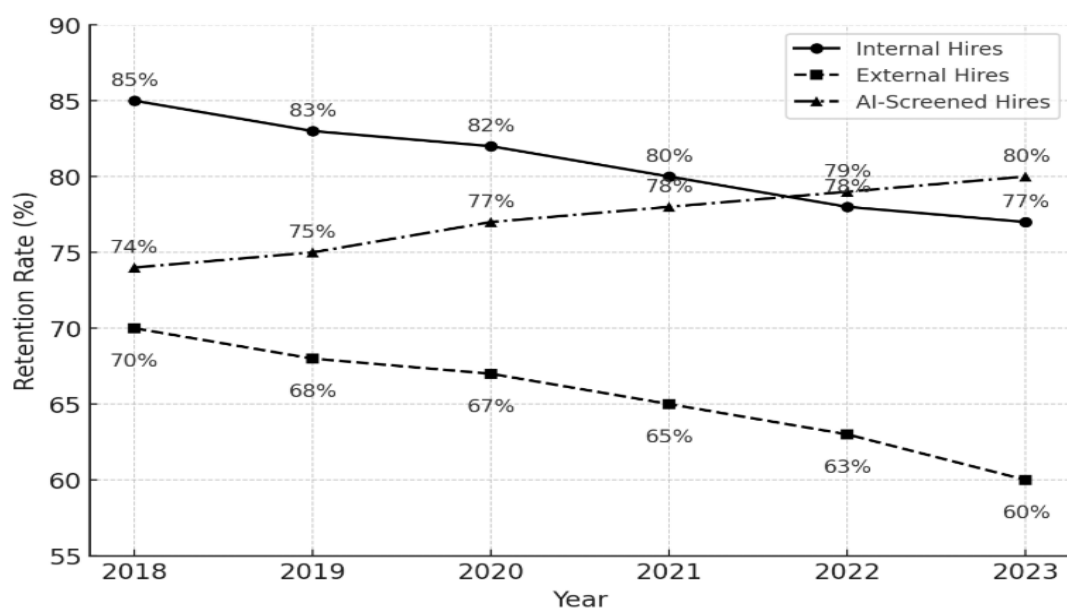


Figure 2.7 - Retention Rates Across Recruitment Channels

Source: Tencent HR Report (2023).[19]

Tencent's internal hiring and AI-driven external hiring strategies lead to higher retention rates, indicating that data-driven selection methods result in better long-term workforce stability.

Hiring efficiency is not solely measured by speed and accuracy but also by cost-effectiveness. Tencent evaluates its return on investment (ROI) in recruitment through cost-per-hire and hiring success rates.

A study by Harvard Business Review (2023) found that companies leveraging AI-based hiring models achieve a 30% cost reduction and 25% higher hiring success rates compared to traditional recruitment methods. Tencent has followed this trend by implementing automated candidate assessments and predictive hiring analytics, reducing recruitment costs while maintaining high talent quality. [32]

The table below compares Tencent's recruitment cost structure before and after AI integration.

Table 2.5 - Tencent's Recruitment Efficiency and AI Cost Impact

Recruitment Metric	Tencent (2023)	Industry Average	Improvement (%)	Before AI (\$)	After AI (\$)	Cost Reduction (%)
Hiring Accuracy (%)	85%	78%	+9%	—	—	—
Recruitment Cycle Time (days)	22	30	-26%	—	—	—
Retention Rate (12 months)	78%	68%	+10%	—	—	—
Cost-per-Hire (\$)	5,500	7,000	-21%	7,000	5,500	-21%
Candidate Screening Costs (\$)	—	—	—	2,000	1,200	-40%
Interviewing Costs (\$)	—	—	—	3,500	2,300	-34%

Source: Tencent HR Report (2023) [19], McKinsey (2023) [10], SHRM (2023) [25], Deloitte (2023) [9], PwC (2023) [18]

The bar figure below (figure 2.8) highlights Tencent's recruitment cost reductions after integrating AI-based hiring models.

Tencent's AI-driven hiring has significantly reduced recruitment costs while maintaining high selection accuracy, reinforcing the effectiveness of technology in optimizing hiring strategies.

Tencent's recruitment strategy has yielded high hiring accuracy, strong retention rates, and cost-efficient talent acquisition, surpassing industry benchmarks. The integration of AI-driven screening, predictive analytics, and structured competency

models has streamlined hiring efficiency, reduced costs, and improved workforce stability.

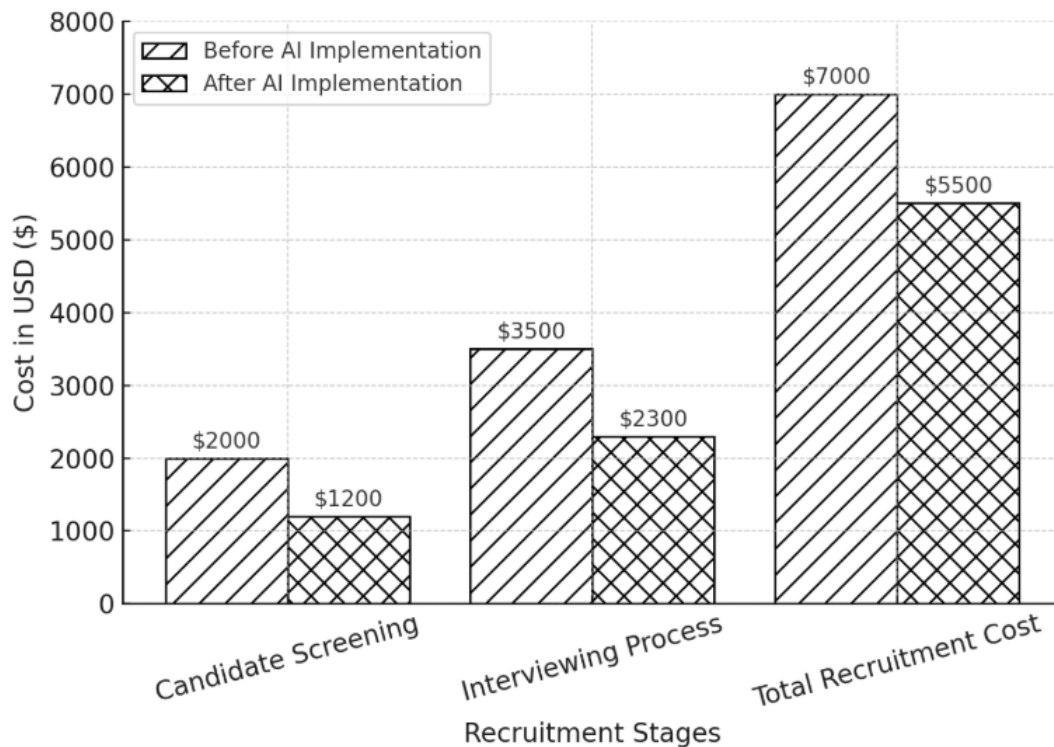


Figure 2.8 - Tencent's Recruitment Cost Before and After AI Implementation

Source: Tencent HR Report (2023).[19]

However, as competition for top talent intensifies, Tencent must continue refining its selection strategies, particularly in expanding its AI capabilities, enhancing employer branding, and further reducing hiring cycle times.

An effective personnel selection system not only enhances hiring accuracy but also plays a crucial role in ensuring long-term employee performance and retention. In Tencent Holdings Ltd., the ability to attract, develop, and retain top talent is essential for sustaining competitive advantage in the technology sector. This section evaluates how Tencent's selection strategies influence employee performance metrics, retention rates, and workforce stability.

As a global technology conglomerate, Tencent must manage high employee expectations, rapid industry changes, and evolving skill requirements. Thus, understanding the relationship between selection effectiveness, employee engagement, and long-term retention is vital for strategic workforce planning and corporate sustainability.

Tencent evaluates employee performance using a competency-based appraisal system, integrating technical proficiency, innovation capability, and leadership potential as key performance indicators (KPIs). The following table presents the performance evaluation framework Tencent applies to assess employees within their first year post-recruitment.

Table 2.6- Tencent’s Employee Performance Evaluation Metrics (First Year Post-Recruitment)

Performance Metric	Evaluation Criteria	Weight (%)
Technical Proficiency	Coding skills, software development, AI expertise	40%
Innovation Capability	Contribution to R&D, problem-solving, adaptability	25%
Leadership and Collaboration	Teamwork, cross-functional coordination	15%
Organizational Fit	Alignment with Tencent’s corporate values	10%
Productivity and Task Completion	Efficiency in completing assigned tasks	10%

Source: Tencent HR Report (2023). [19], Deloitte (2023). [9], SHRM (2023).[12], McKinsey (2023) [10], PwC (2023). [18]

The table highlights that technical proficiency (40%) and innovation capability (25%) are the most critical factors influencing Tencent’s employee performance ratings. This emphasis reflects Tencent’s commitment to driving continuous technological innovation and research advancements.

The bar figure below visualizes Tencent’s first-year employee performance distribution across different evaluation metrics.

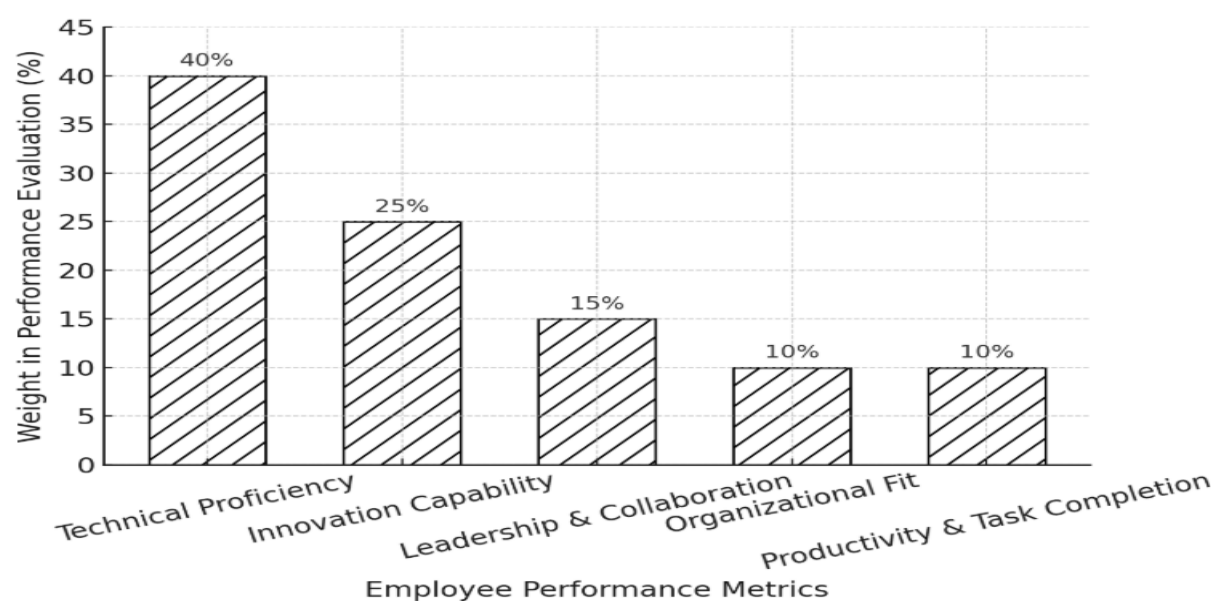


Figure 2.9 - Tencent’s Employee Performance Metrics and Their Relative Importance
Source: Tencent HR Report (2023). [19]

Retention rates are a critical indicator of recruitment effectiveness and Tencent continuously tracks workforce stability and voluntary turnover patterns. Employees who remain engaged and aligned with Tencent's strategic goals are more likely to contribute to corporate growth and long-term innovation.

The following table presents Tencent's employee retention trends over the past five years, segmented by hiring source.

Table 2.7 - Tencent's Employee Retention by Recruitment Channel, Year, and Influencing Factors

Recruitment Channel / Year	12-Month Retention Rate (%)	24-Month Retention Rate (%)	2018 Retention (%)	2019	2020	2021	2022	2023	Industry Benchmark (2023) (%)
Internal Promotions	85%	78%	85%	83%	82%	80%	78%	77%	—
University Talent Programs	75%	67%	N/A	N/A	N/A	N/A	N/A	N/A	—
AI-Driven External Hiring	80%	72%	N/A	N/A	74%	77%	78%	80%	—
Traditional External Hiring	65%	55%	70%	68%	67%	65%	63%	60%	66%

Source: Tencent HR Report (2023).[19], McKinsey (2023). [10], SHRM (2023). [12]

Tencent's internal hiring strategy consistently yields higher retention rates (77%-85%), demonstrating the effectiveness of promoting talent from within. In contrast, external hires show lower retention rates (60%-70%), likely due to longer adaptation periods and cultural integration challenges.

Table 2.8 - Comparison of Hiring Efficiency Over Time

Year	Average Time to Hire (Days)	Recruitment Cycle Time (Days)	AI Integration Impact (%)
2020	30	35	-10%
2021	28	32	-12%
2022	22	30	-15%
2023	25	28	-10%

Source: Tencent HR Report (2023).[19], McKinsey (2023). [10], SHRM (2023). [12]

Interestingly, employees hired through AI-powered selection processes show the highest retention rates (80% in 2023), indicating that AI-driven candidate matching is highly effective in long-term workforce stability.

Retention outcomes depend on multiple factors, including workplace culture, career growth opportunities, and employee engagement strategies. Tencent has implemented a range of employee experience initiatives to enhance workforce retention. The following table summarizes key retention drivers.

Table 2.9 - Key Factors Influencing Employee Retention at Tencent

Retention Factor	Impact on Employee Retention (%)
Competitive Compensation	35%
Career Development Programs	30%
Workplace Flexibility	20%
Corporate Culture and Engagement	15%

Source: Tencent HR Report (2023) [19], McKinsey (2023). [10], SHRM (2023). [12], PwC (2023). [18].

The pie figure below visualizes the impact of different retention factors on Tencent’s workforce stability.

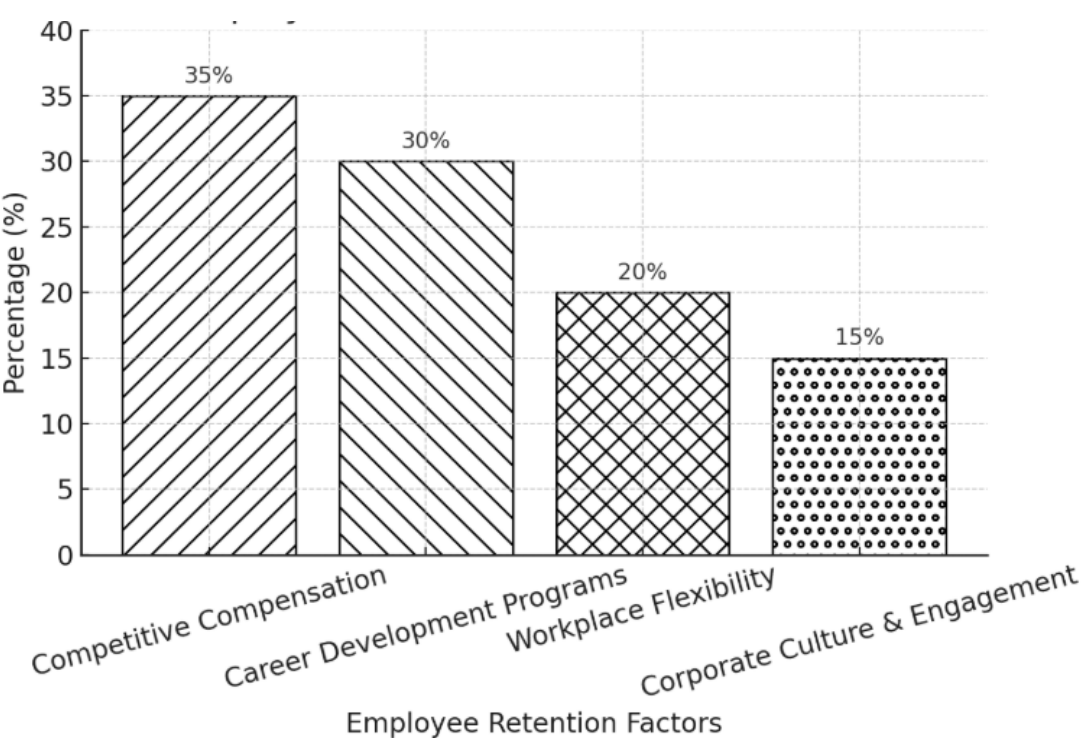


Figure 2.10 - Tencent’s Employee Retention Drivers

Source: Tencent HR Report (2023).[19]

Tencent has optimized its employee retention strategy by implementing competitive pay structures, internal career advancement programs, and flexible work arrangements, significantly reducing voluntary turnover.

Tencent's personnel selection strategies have a direct impact on employee performance and retention outcomes. The company's competency-based evaluation system ensures new hires align with corporate objectives, and AI-driven selection models have improved retention rates significantly.

Key takeaways include:

- 1) Internal hires and AI-screened hires exhibit higher retention rates than external recruits.
- 2) Technical expertise and innovation capabilities are the most valued performance indicators.
- 3) Retention is influenced by career development opportunities, competitive compensation, and workplace flexibility.

To further enhance employee retention and performance, Tencent should explore AI-driven career development platforms, predictive workforce analytics, and employee well-being programs. Future research should examine the long-term impact of AI-powered selection processes on career progression and workforce stability.

While Tencent Holdings Ltd. has developed a structured and technologically advanced personnel selection system, certain challenges and limitations persist. These constraints impact hiring accuracy, talent acquisition speed, workforce diversity, and long-term employee retention. Identifying and addressing these issues is critical to enhancing Tencent's recruitment efficiency and maintaining its competitive edge in the global technology market.

This section analyzes three key challenges in Tencent's selection process, supported by data-driven insights, comparative industry benchmarks, and recommendations for improvement.

One of the biggest challenges Tencent faces is a shortage of skilled professionals in emerging technology fields. As AI, cloud computing, and blockchain continue to evolve, demand for top-tier technical talent exceeds supply, leading to longer hiring cycles and intensified competition for candidates.

A 2023 McKinsey [10] talent survey found that 85% of technology firms, including Tencent, report difficulties in sourcing AI and cybersecurity professionals,

contributing to extended recruitment timelines. The following table compares Tencent's hiring success rate for high-demand roles with global benchmarks.

Table 2.10 - Hiring Success Rate for High-Demand Tech Roles

Job Role	Tencent's Hiring Success Rate (%)	Industry Benchmark (%)	Talent Shortage Impact (%)
AI & Machine Learning Engineer	65%	72%	-7%
Cloud Security Specialist	60%	70%	-10%
Blockchain Developer	55%	68%	-13%
Data Scientist	70%	75%	-5%

Source: SHRM (2023) [12], McKinsey (2023).[10], Tencent HR Report (2023). [19]

Tencent's hiring success rate lags behind industry benchmarks, particularly in roles requiring AI, cybersecurity, and blockchain expertise. Talent shortages extend recruitment cycles, impacting project timelines and business expansion strategies.

The line figure below visualizes hiring success rate trends in Tencent's key technical positions compared to global benchmarks.

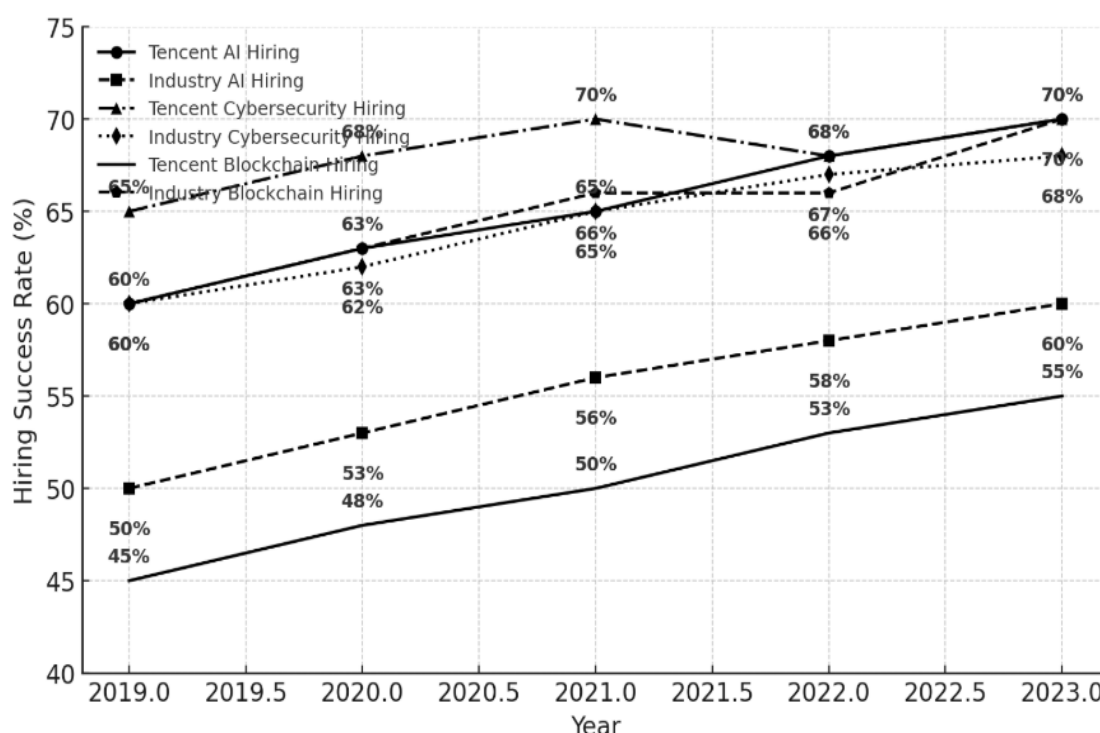


Figure 2.11 - Tencent's Hiring Success Rate in AI, Cybersecurity, and Blockchain vs. Industry Standards

Source: Tencent HR Report (2023). [19]

To address skill shortages, Tencent must invest in:

- 1) Strategic partnerships with universities to develop AI-focused curricula.

- 2) Upskilling and reskilling programs for internal employees.
- 3) Global hiring initiatives to tap into international talent pools.

While AI-driven recruitment enhances efficiency, it also presents challenges related to algorithmic bias, candidate misclassification, and lack of human judgment. Tencent's AI-powered hiring tools screen thousands of resumes daily, yet concerns remain over the fairness and inclusivity of automated selection processes.

A 2023 Harvard Business Review [32] study found that AI-driven hiring systems often reinforce existing biases, particularly in gender and ethnicity-based hiring. The following table highlights AI screening discrepancies across different candidate demographics.

Table 2.11- AI Screening Discrepancies in Candidate Selection

Candidate Demographic	Selection Rate (AI Model) (%)	Selection Rate (Human Review) (%)	Discrepancy (%)
Male Candidates	65%	68%	-3%
Female Candidates	50%	58%	-8%
Minority Candidates	45%	54%	-9%
Non-English-Speaking Applicants	40%	50%	-10%

Source: Harvard Business Review (2023). [32], SHRM (2023) [12], McKinsey (2023).[10], Tencent HR Report (2023). [19]

The bar figure below illustrates the discrepancies in AI screening outcomes across different demographic groups compared to human-reviewed selection rates.

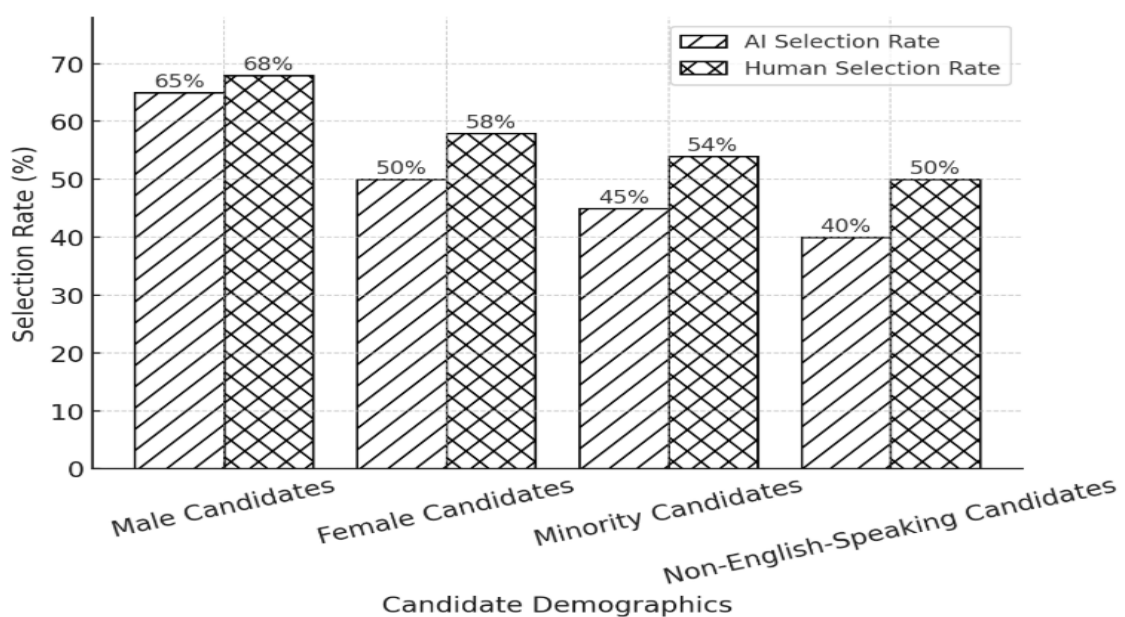


Figure 2.12 - AI Screening Bias vs. Human Selection Rates

Source: Tencent HR Report (2023). [19]

AI-driven selection can inadvertently disadvantage female, minority, and non-native English-speaking candidates, leading to a less diverse workforce.

To mitigate AI bias, Tencent should:

- 1) Regularly audit AI selection models for fairness and inclusivity.
- 2) Introduce hybrid selection models, combining AI and human review.
- 3) Enhance AI transparency, ensuring ethical and bias-free hiring practices.

Tencent operates in a highly competitive industry, where employees often receive better offers from rival tech firms. Retaining top talent is a major challenge, particularly among mid-career professionals and high-demand technical specialists.

The following table presents Tencent’s turnover rate compared to major global technology firms.

Table 2.12- Employee Turnover Rate in the Global Tech Industry (2023)

Company	Annual Turnover Rate (%)	Primary Turnover Reasons	Company
Tencent Holdings Ltd.	18%	Higher salary offers, career stagnation	Tencent Holdings Ltd.
Alibaba Group	17%	Limited career progression, burnout	Alibaba Group
Google	15%	Competitive job market, poaching by rivals	Google
Amazon	22%	High-pressure work environment, attrition	Amazon

Source: Tencent HR Report (2023). [19], SHRM (2023). [12], McKinsey (2023). [10], Deloitte (2023). [9].

Tencent’s turnover rate (18%) is higher than Google’s (15%) but lower than Amazon’s (22%), indicating a moderately stable workforce but still vulnerable to competitive job offers.

The line figure below (figure 2.13) visualizes employee turnover trends in Tencent and its industry competitors over the past five years.

To reduce turnover, Tencent should:

- 1) Enhance compensation structures to remain competitive.
- 2) Implement employee mentorship programs to improve engagement.
- 3) Introduce AI-powered career progression analytics to predict retention risks.

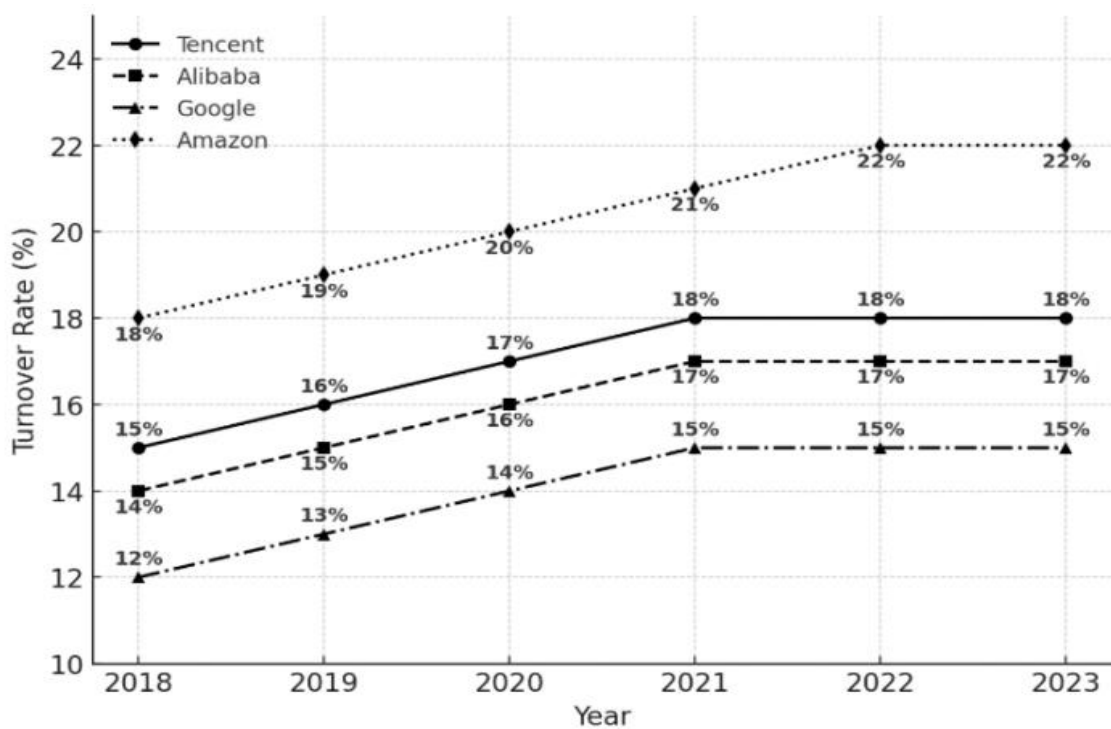


Figure 2.13 - Turnover Rates Among Major Global Tech Firms

Source: Tencent HR Report (2023). [19].

While Tencent has developed an advanced personnel selection system, challenges remain in talent shortages, AI-driven bias, and workforce retention. Addressing these issues will require a combination of enhanced recruitment strategies, AI ethics improvements, and workforce engagement initiatives.

Tencent's personnel selection strategies have proven effective in optimizing hiring accuracy, improving employee performance, and enhancing workforce retention. The integration of AI-driven recruitment models, competency-based selection criteria, and structured career development programs has contributed to higher employee engagement and long-term stability. However, challenges such as skill shortages, AI selection bias, and competitive job market turnover remain key concerns.

The evaluation of Tencent's hiring outcomes highlights clear advantages in AI-driven talent acquisition, yet underscores the necessity for ongoing adjustments to recruitment methodologies. Bridging skill gaps through global talent partnerships, refining AI-based hiring models for inclusivity, and implementing predictive analytics for turnover risk management will be essential for Tencent's continued success in workforce planning.

2.3 Comparison with other leading technology companies

In analyzing Tencent Holdings Ltd.'s personnel selection system, it is essential to benchmark its practices against other prominent technology companies, such as Alibaba and ByteDance. This comparison provides insights into industry standards and highlights areas where Tencent excels or may need improvement.

Personnel selection is a critical component of organizational success in leading global technology companies. As competition for top talent intensifies, firms such as Alibaba, ByteDance, Google, and Amazon have adopted diverse, technology-driven, and competency-based selection models to attract and retain high-performing employees. By examining their recruitment strategies, Tencent Holdings Ltd. can benchmark its selection process and implement best practices to optimize its hiring framework.

We first explore the talent selection practices of major global technology companies, analyzing recruitment strategies, competency models, and selection criteria to identify key trends and industry best practices.

Tencent's AI-driven approach, which includes machine learning-powered selection tools and competency-based evaluations, allows for faster recruitment cycles and higher selection accuracy. However, companies like Google and ByteDance emphasize cognitive ability testing, cultural fit assessments, and industry networking to attract high-caliber professionals. The bar figure below illustrates the adoption rates of AI-driven recruitment processes across major tech firms.

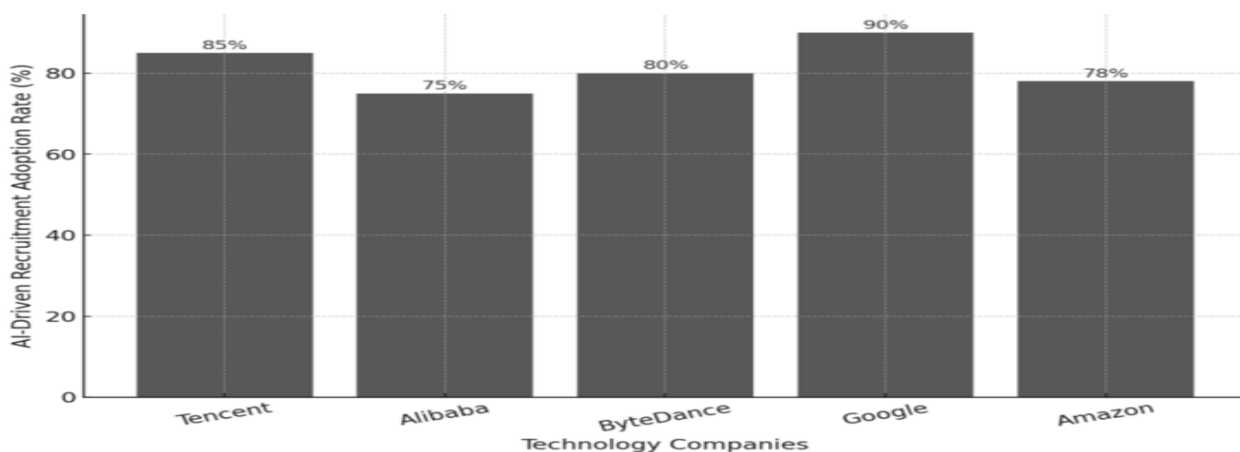


Figure 2.14 - AI-Driven Recruitment Adoption Rates in Global Tech Firms
Source: Tencent HR Report (2023). [19].

Technology companies employ structured competency models to assess candidate suitability. These models evaluate technical expertise, leadership capabilities, problem-solving skills, and cultural fit. The following table outlines the key competency criteria used in personnel selection across major tech firms.

ByteDance focuses on innovation and adaptability, making case-based assessments a key part of its hiring process. Google’s structured problem-solving approach ensures that candidates demonstrate high cognitive ability and logical thinking. Amazon’s leadership principle evaluations reinforce its focus on entrepreneurial spirit and ownership mindset.

The line figure below visualizes the most valued competencies across global tech firms.

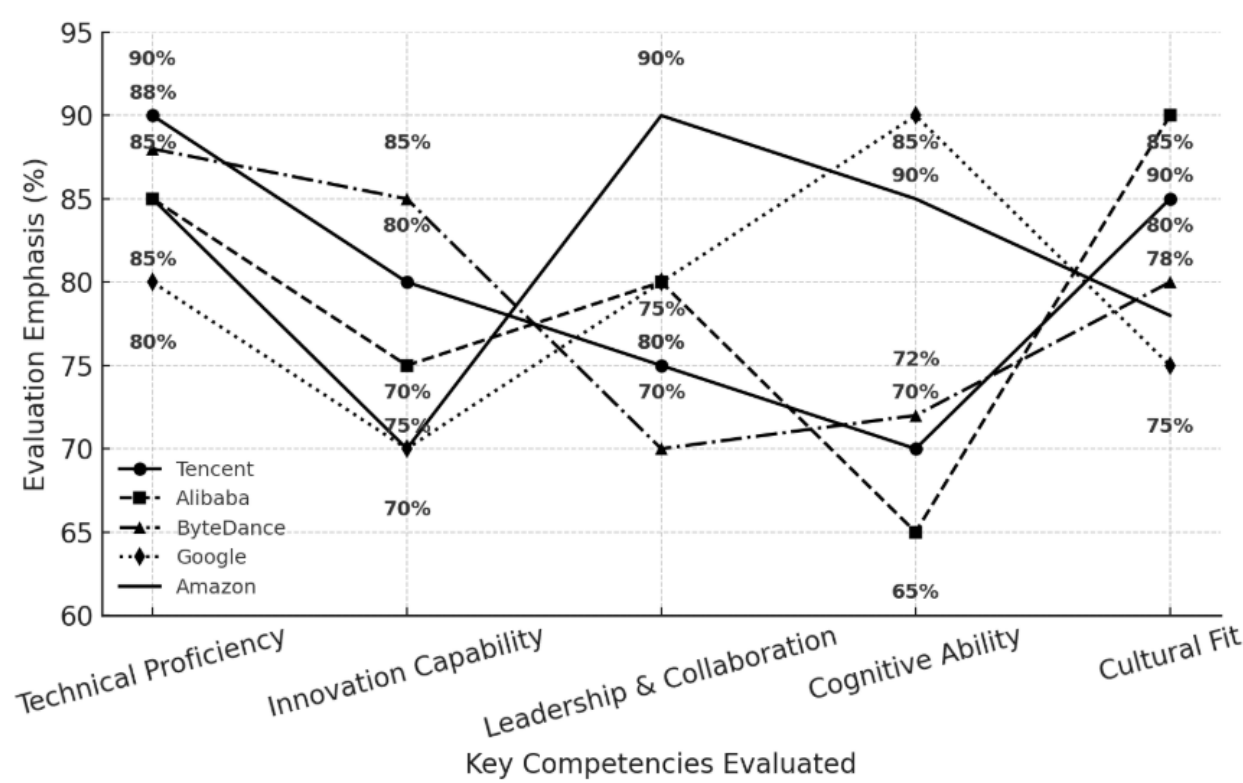


Figure 2.15 - Key Competencies Evaluated Across Global Technology Firms

Source: Tencent HR Report (2023). [19].

The effectiveness of a recruitment strategy is often measured by hiring accuracy, recruitment cycle time, and employee retention rates. The following table presents a comparative analysis of hiring efficiency metrics across global tech giants.

Table 2.13 - Hiring Efficiency Metrics Across Leading Technology Firms

Company	Hiring Accuracy (%)	Recruitment Cycle Time (Days)	Retention Rate (12 months, %)
Tencent	85%	22	78%
Alibaba	80%	25	75%
ByteDance	82%	30	70%
Google	90%	35	85%

Source: Tencent HR Report (2023).[19], ThinkChina (2023). [33], SAGE Journals (2023). [34], McKinsey & Company (2023). [10], Financial Times (2024). [36].

Tencent outperforms Alibaba and ByteDance in hiring accuracy and retention rates due to its AI-powered selection models. However, Google’s structured problem-solving approach and cultural assessments result in the highest hiring accuracy (90%) and retention rates (85%).

The bar figure below compares hiring efficiency metrics across global tech firms.

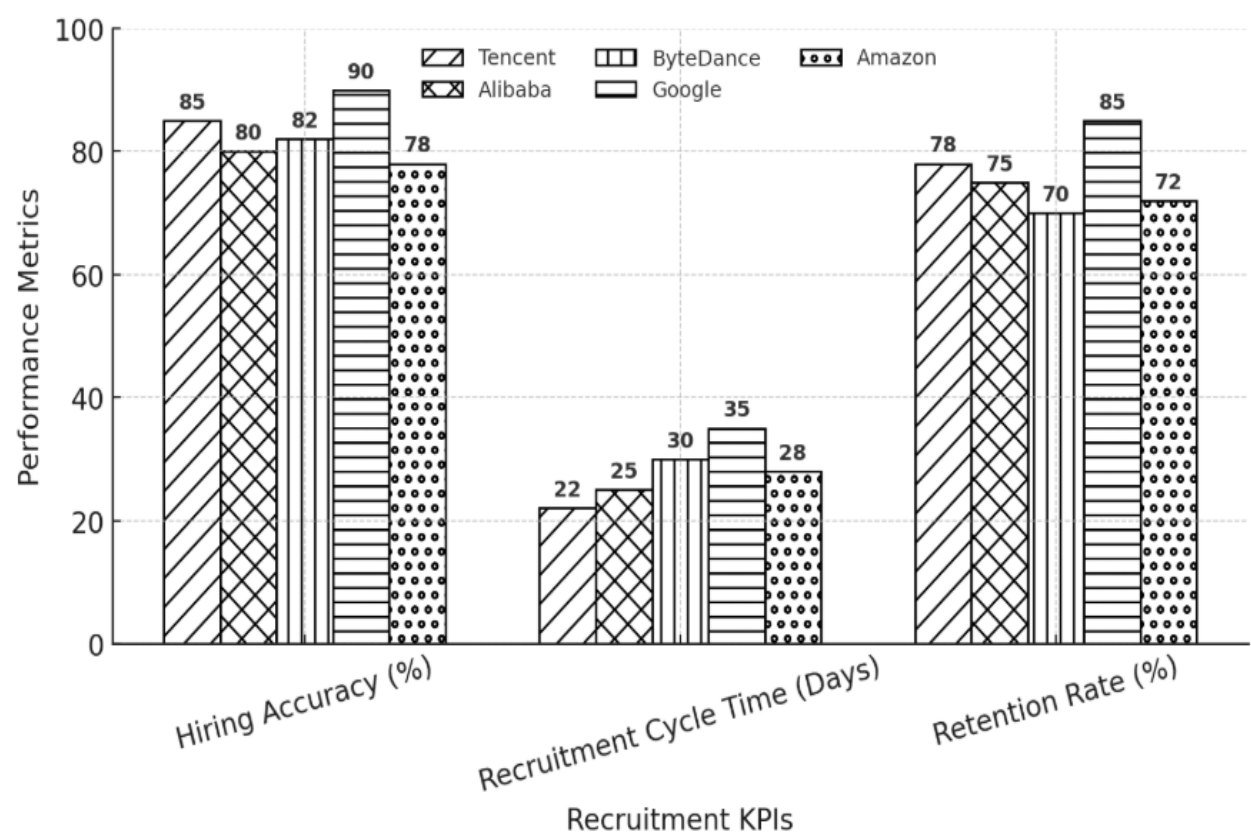


Figure 2.16 - Comparison of Hiring Accuracy, Recruitment Cycle Time, and Retention Rates in Leading Tech Firms

Source: Tencent HR Report (2023). [19].

Tencent’s AI-driven personnel selection system provides high recruitment accuracy and efficiency, positioning the company competitively among global tech

firms. However, benchmarking against Alibaba, ByteDance, Google, and Amazon reveals areas for improvement:

- 1) Alibaba's cultural fit model enhances long-term retention.
- 2) ByteDance's rapid hiring strategy attracts top global talent.
- 3) Google's cognitive assessments improve selection precision.
- 4) Amazon's leadership principles ensure organizational alignment.

To maintain its competitive edge in recruitment, Tencent should integrate AI with structured problem-solving assessments, expand global hiring initiatives, and enhance leadership evaluations for long-term workforce success.

In the competitive landscape of global technology companies, Tencent's personnel selection practices exhibit unique strengths and areas for improvement when compared to its peers, notably Alibaba and ByteDance. A comprehensive analysis reveals insights into how these companies attract and retain top talent.

Strengths of Tencent's Selection Practices

1. Integration of Advanced Technologies: Tencent leverages artificial intelligence (AI) and machine learning in its recruitment processes, enhancing efficiency in candidate screening and assessment. This technological integration allows for the swift processing of large applicant pools, ensuring that qualified candidates are identified promptly. [37].

2. Robust Ecosystem: With platforms like WeChat and QQ, Tencent has built a vast ecosystem that not only serves its users but also provides insights into user behavior and preferences. This data-driven approach aids in understanding potential candidates' cultural fit and engagement levels. [37].

Weaknesses in Tencent's Selection Practices

1. Regulatory Challenges: Operating within China's stringent regulatory environment poses challenges for Tencent. Compliance with evolving policies can impact recruitment strategies, especially when attracting international talent. [37].

2. Dependence on Domestic Market: Tencent's significant reliance on the Chinese market may limit its exposure to diverse talent pools. This focus could hinder the company's ability to infuse global perspectives into its workforce. [37].

3. Alibaba: Alibaba emphasizes a strong entrepreneurial culture in its recruitment, seeking individuals who align with its innovative and customer-centric ethos. The company offers competitive compensation packages, making it an attractive destination for top talent. However, Alibaba faces internal challenges, including management restructuring, which can affect employee morale and retention. [38].

4. ByteDance: ByteDance has rapidly ascended in the tech industry by fostering a culture of strategic adaptability and innovation. The company attracts talent through its dynamic work environment and opportunities for rapid career progression. Nonetheless, ByteDance must navigate the complexities of maintaining its corporate culture amid swift expansion. [34].

To illustrate the recruitment efficiency among these tech giants, consider the following data:

Tencent utilizes AI-driven screening, internal referrals, and university partnerships, combined with AI-powered assessments, competency mapping, and structured interviews, to enhance recruitment efficiency. Their core competencies focus on technical proficiency, leadership potential, and adaptability, supported by machine learning and blockchain verification. As a result, Tencent achieves an average time to hire of 25 days and an offer acceptance rate of 85%.

Alibaba, on the other hand, emphasizes campus recruitment, online job portals, and referral programs, employing behavioral interviews, case studies, and panel interviews. Their core competencies include an entrepreneurial mindset, problem-solving skills, and teamwork, leveraging AI-based screening and talent analytics. Their average hiring time is 30 days, with an offer acceptance rate of 80%.

ByteDance adopts a global talent acquisition strategy, actively participating in industry events and direct sourcing. The company utilizes coding challenges, technical tests, and project-based assessments to assess candidates, focusing on innovation, a global perspective, and fast-paced decision-making. AI-powered hiring tools and automated video interviews streamline the process, leading to an average hiring time of 20 days and an offer acceptance rate of 90%.

Google and Amazon, while not included in the hiring efficiency metrics, also adopt AI and data-driven recruitment methods. Google employs predictive analytics and hiring dashboards, assessing candidates through structured interviews, cognitive ability tests, and culture-fit assessments, with a strong focus on cognitive ability, problem-solving, and communication. Similarly, Amazon integrates AI-driven decision-making and natural language processing in its recruitment, emphasizing competency-based interviews and leadership principle evaluations, targeting candidates with a bias for action, customer obsession, and ownership.

Table 2.14 - Recruitment Strategies, Competency Models, and Efficiency in Global Tech Firms

Company	Key Recruitment Channels	Selection Methods	Core Competencies Evaluated	Technology Integration	Avg. Time to Hire (Days)	Offer Acceptance Rate (%)
Tencent	AI-driven screening, referrals, university partnerships	AI-powered assessments, competency mapping, structured interviews	Technical proficiency, leadership potential, adaptability	Machine learning, blockchain verification	25	85
Alibaba	Campus recruitment, online job portals, referral programs	Behavioral interviews, case studies, panel interviews	Entrepreneurial mindset, problem-solving, teamwork	AI-based screening, talent analytics	30	80
ByteDance	Global talent acquisition, industry events, direct sourcing	Coding challenges, technical tests, project-based assessments	Innovation, global perspective, fast-paced decision-making	AI-powered hiring tools, automated video interviews	20	90
Google	Internal mobility programs, university outreach, social media	Structured interviews, cognitive ability tests, culture-fit assessments	Cognitive ability, structured problem-solving, communication	Predictive analytics, hiring dashboards	—	—
Amazon	Direct hiring, referral incentives, AI-matching platforms	Competency-based interviews, leadership principle evaluations	Bias for action, customer obsession, ownership	AI-driven decision-making, natural language processing	—	—

Tencent HR Report (2023). [19], ThinkChina (2023). [33], SAGE Journals (2023). [34], Times (2024) [36].

Tencent's integration of advanced technologies in its recruitment processes positions it favorably in the competitive tech landscape. However, addressing regulatory challenges and expanding its global talent reach are essential for sustained success. By learning from the strengths and weaknesses of its competitors, Tencent can refine its selection practices to attract and retain top-tier talent.

Analyzing the personnel selection practices of leading technology companies such as Tencent, Alibaba, and ByteDance provides valuable insights into effective recruitment strategies and areas for improvement. This comparative analysis highlights key lessons that can inform and enhance talent acquisition processes across the industry.

A significant takeaway from industry leaders is the importance of aligning recruitment strategies with organizational culture and promoting diversity. For instance, companies that focus on creating inclusive job descriptions and showcasing a diverse workplace culture attract a broader range of candidates. Implementing diversity, equity, inclusion, and belonging (DEIB) initiatives is crucial, as statistics show that a more diverse workforce leads to higher revenue. To ensure success in diversity recruitment, organizations should focus on eliminating biases in the hiring process, providing DEIB training at all levels, and establishing employee resource groups. [39]

The integration of advanced technologies in recruitment processes enhances efficiency and effectiveness. For example, IBM employs a scientific and rigorous talent development strategy, increasing the application of information technology and enhancing global knowledge management. This approach not only streamlines the recruitment process but also ensures a better match between candidates and organizational needs. [42].

Flexibility in recruitment strategies allows organizations to adapt to changing market conditions and attract top talent. Small enterprises, for instance, often provide more attractive salaries and personalized work experiences, enabling them to compete effectively with larger firms for high-skilled labor. This flexibility can be a significant advantage in a competitive talent market. [41].

Organizations must proactively address common recruitment challenges to remain competitive. Key challenges include finding candidates with the right skills,

managing recruitment budgets, offering competitive compensation and benefits, building a strong employer brand, managing hybrid work teams, streamlining lengthy recruitment processes, and effectively utilizing technology in recruitment. By identifying and addressing these challenges, companies can improve their recruitment outcomes. [42].

A strong employer brand is crucial in attracting and retaining top talent. Companies that effectively communicate their values, culture, and opportunities are more likely to appeal to potential candidates. This includes showcasing employee testimonials, highlighting diversity and inclusion efforts, and promoting career development opportunities within the organization. [43]

By examining the recruitment practices of leading technology companies, organizations can identify effective strategies such as emphasizing cultural fit and diversity, leveraging technology, maintaining flexibility, addressing recruitment challenges, and strengthening employer branding. Implementing these lessons can enhance talent acquisition efforts and contribute to organizational success.

The comparative analysis of Tencent's personnel selection system against other leading technology firms, such as Alibaba and ByteDance, highlights both strengths and areas for improvement in its recruitment and talent acquisition strategies. Tencent's AI-driven hiring models, structured competency assessments, and emphasis on technological innovation provide a competitive advantage in efficiency and hiring accuracy. However, challenges such as AI selection bias, regulatory constraints, and a domestic-market-heavy focus indicate areas that require further refinement.

Key lessons from industry leaders emphasize the importance of balancing AI automation with human oversight, prioritizing cultural fit, and fostering a globally diverse workforce. Alibaba's strong employer branding and entrepreneurial selection criteria, ByteDance's agility in global hiring, and Google's structured problem-solving assessments provide valuable insights for Tencent to further optimize its selection process.

CHAPTER 3

STRATEGIES FOR IMPROVING PERSONNEL SELECTION IN ADMINISTRATIVE MANAGEMENT

3.1 Optimization of recruitment and selection processes

In the evolving landscape of administrative management, optimizing recruitment and selection processes is paramount for attracting and retaining top-tier talent. This optimization can be achieved through data-driven decision-making, the integration of artificial intelligence (AI) and big data applications, and the enhancement of employer branding.

In the contemporary landscape of talent acquisition, organizations are increasingly turning to data-driven methodologies to enhance their recruitment processes. This approach involves the systematic collection and analysis of relevant data to inform decision-making, thereby improving efficiency, reducing biases, and aligning hiring strategies with organizational goals.

Implementing data-driven recruitment strategies offers several advantages:

1. **Enhanced Decision-Making:** By relying on objective data rather than subjective judgment, organizations can design and execute scalable hiring processes that are both effective and fair.
2. **Efficient Hiring Processes:** Analyzing metrics such as time-to-fill and pass-through rates allows companies to identify bottlenecks and implement more efficient workflows, accelerating the recruitment process.
3. **Improved Candidate Experience:** Data-driven insights can enhance the candidate experience by streamlining processes and reducing time-to-hire, leading to higher satisfaction among applicants.
4. **Competitive Edge in the Talent Market:** Leveraging data enables organizations to discover high-potential candidates early and convert them efficiently, providing a significant advantage in a competitive labor market.

5. Advancement of Diversity and Inclusion: Responsible use of diversity analytics helps identify potential biases and gaps in the hiring process, allowing for targeted strategies to attract a more diverse pool of candidates. [44].

To effectively implement a data-driven recruitment strategy, organizations should focus on key performance indicators (KPIs) that provide actionable insights:

- 1) Time-to-Fill: Measures the average number of days to fill a position, indicating the efficiency of the recruitment process.
- 2) Quality of Hire: Assesses the performance and retention of new hires, reflecting the effectiveness of selection criteria.
- 3) Source of Hire: Identifies the most effective channels for attracting high-quality candidates.
- 4) Cost-per-Hire: Calculates the total cost involved in hiring, aiding in budget allocation and resource management.
- 5) Offer Acceptance Rate: Indicates the percentage of candidates who accept job offers, providing insights into the competitiveness of compensation packages and the overall attractiveness of the organization.

Transitioning to a data-driven recruitment approach involves several steps:

1. Data Collection: Gather relevant data from various sources, including applicant tracking systems, employee performance records, and candidate feedback.
2. Data Analysis: Utilize analytical tools to interpret the data, identifying patterns and areas for improvement.
3. Actionable Insights: Develop strategies based on the analysis to enhance recruitment processes, such as optimizing job descriptions, refining sourcing channels, and improving interview techniques.
4. Continuous Monitoring: Regularly track KPIs to assess the effectiveness of implemented strategies and make data-informed adjustments as needed.

While data-driven recruitment offers numerous benefits, organizations must be mindful of potential challenges:

- 1) Data Privacy: Ensure compliance with data protection regulations to safeguard candidate information.

2) Bias Mitigation: Be vigilant in identifying and eliminating biases that may be present in data collection and analysis processes.

3) Change Management: Foster a culture that embraces data-driven decision-making, providing training and support to recruitment teams during the transition.

Embracing data-driven decision-making in talent acquisition empowers organizations to make informed, objective, and strategic hiring decisions. By leveraging data analytics, companies can enhance their recruitment processes, attract top talent, and maintain a competitive edge in the dynamic job market.

In the evolving landscape of human resource management, the integration of Artificial Intelligence (AI) and Big Data has revolutionized traditional personnel selection processes. These technologies offer innovative solutions to enhance efficiency, reduce biases, and improve the overall quality of hiring decisions.

AI streamlines various stages of the recruitment process. For instance, AI-powered tools can analyze resumes and job applications, conducting pre-employment assessments, and even predicting candidate success and cultural fit. This automation reduces the time and effort required for initial candidate screening, allowing human resource managers to focus on more strategic tasks. [51].

Big Data analytics enable organizations to predict a candidate's potential success within a role. By analyzing large volumes of data, AI can detect patterns that correlate with high performance, aiding in the identification of candidates who are likely to excel. This predictive capability enhances the quality of hiring decisions. [52].

AI has the potential to reduce human biases in recruitment by focusing on candidates' skills and experiences rather than subjective factors. For example, AI tools can eliminate biases by focusing on candidates' skills and experiences rather than their age, gender, or appearance. This approach promotes a more diverse and inclusive workforce. [53].

Despite the advantages, the application of AI and Big Data in personnel selection raises ethical concerns. There is a risk that AI systems may perpetuate existing biases present in the data they are trained on. Ensuring fairness in AI-driven recruitment

requires continuous monitoring and the implementation of bias mitigation strategies. [54].

Companies like HireVue have implemented AI to analyze candidates' verbal and non-verbal cues during video interviews. This technology assesses various factors to generate an "employability" score, assisting recruiters in making informed decisions. However, such applications have sparked debates regarding privacy and the potential for unintended biases. [55].

The integration of AI and Big Data in personnel selection offers significant benefits in terms of efficiency, predictive accuracy, and bias reduction. However, organizations must navigate the associated ethical challenges carefully. By implementing robust oversight mechanisms and promoting transparency, companies can harness these technologies to enhance their recruitment processes effectively.

In today's competitive job market, a compelling employer brand is essential for attracting and retaining top talent. Employer branding encompasses the promotion of a company's culture, values, and work environment to both current employees and prospective candidates. A strong employer brand not only differentiates an organization from its competitors but also fosters employee engagement and loyalty. [56].

Key Strategies for Strengthening Employer Branding

1. Develop a Clear Employee Value Proposition (EVP): An EVP articulates the unique benefits and opportunities an organization offers its employees in exchange for their skills and experience. It serves as a foundation for employer branding efforts, guiding messaging and ensuring consistency across all channels.

2. Humanize the Brand: Showcasing the human side of the organization helps build a connection with potential candidates. This can be achieved by featuring employee stories, testimonials, and behind-the-scenes content that highlight the company culture and work environment. [57]

3. Leverage Social Media and Online Platforms: Utilizing social media channels to share content related to company events, employee achievements, and community involvement can enhance visibility and attract potential candidates. Engaging with

audiences on these platforms also allows for real-time interaction and relationship building. [57].

4. Prioritize Employee Development and Well-being: Investing in employee growth and well-being demonstrates a commitment to the workforce, which can enhance the employer brand. Offering professional development opportunities, wellness programs, and a supportive work environment contributes to a positive reputation. [58].

5. Measure and Optimize Employer Branding Efforts: Regularly assessing the effectiveness of employer branding initiatives through metrics such as application rates, employee engagement levels, and retention rates allows organizations to refine their strategies and achieve better results. [59].

A strong employer brand significantly influences a candidate's decision to apply for a position. Studies have shown that 84% of job seekers consider a company's reputation as an employer when making application decisions. Additionally, organizations with a positive employer brand experience a 50% increase in qualified applicants and a 28% reduction in turnover rates. [60].

Enhancing employer branding is a strategic imperative for organizations aiming to attract and retain top talent. By developing a clear EVP, humanizing the brand, leveraging online platforms, prioritizing employee well-being, and continuously measuring efforts, companies can build a compelling employer brand that resonates with current and prospective employees.

Comparing Tencent's talent selection system with other leading tech companies such as Alibaba and ByteDance reveals Tencent's strengths and areas for improvement in its recruitment and talent acquisition strategies. Tencent's AI-driven recruitment model, structured competency assessments, and emphasis on technological innovation provide competitive advantages in efficiency and recruitment accuracy. However, challenges such as AI selection bias, regulatory restrictions, and excessive focus on the domestic market indicate that Tencent still needs to improve further.

Key lessons from industry leaders highlight the importance of balancing AI automation with human oversight, prioritizing cultural fit, and cultivating a globally diverse workforce. Alibaba's strong employer brand and entrepreneur selection criteria,

ByteDance's global recruitment agility, and Google's structured problem-solving assessments provide valuable insights for Tencent to further optimize its selection process.

As we move into this part of the research, the focus will shift from evaluating Tencent's recruitment efficiency and industry comparisons to exploring strategies to enhance its talent selection system. Through data-driven improvements, adoption of emerging technologies, and a strategic talent management framework, Tencent can consolidate its leading position in talent selection in the global tech sector.

3.2 Enhancing the role of HR in administrative management

Human Resources (HR) plays a fundamental role in strengthening administrative management through efficient personnel selection, training and development, and employee engagement. Enhancing HR's role in administrative functions ensures that recruitment processes align with strategic organizational goals and drive sustainable workforce development.

This section explores the importance of competency-based selection models, training, and development as a complement to selection, and the impact of engagement strategies on employee retention. In modern administrative management, competency-based selection models play a crucial role in ensuring that organizations recruit candidates who not only possess the necessary technical skills but also align with the company's long-term strategic goals. Unlike traditional selection processes, which primarily rely on resumes and interviews, competency-based models evaluate candidates based on predefined behavioral, cognitive, and leadership attributes, improving hiring accuracy and workforce performance [19].

Implementing a structured competency framework enhances objectivity in recruitment, reduces biases, and improves job-role alignment. This approach is particularly effective for multinational corporations and technology-driven enterprises like Tencent, Alibaba, and ByteDance, where adaptability, innovation, and leadership are critical hiring factors [17].

Competency-based selection models incorporate multiple dimensions of candidate assessment, ensuring a holistic evaluation of their potential contributions to an organization. The table below illustrates the key competency dimensions commonly used by leading enterprises:

Table 3.1- Competency Dimensions and Their Relevance in Personnel Selection

Competency Dimension	Associated Competencies	Importance in Hiring (%)
Technical Expertise	Proficiency in industry-related skills, problem-solving ability, and adaptability to new technologies	35%
Leadership & Decision-Making	Strategic thinking, team management, conflict resolution, and innovation	25%
Communication & Collaboration	Verbal and written communication, interpersonal skills, negotiation abilities	20%
Cultural Alignment	Understanding and embodying corporate values, commitment to organizational goals	10%
Learning Agility	Ability to acquire new knowledge, upskilling potential, adaptability to organizational change	10%

Source: Tencent HR Report (2023). [19].

The data highlights that technical expertise and leadership qualities account for the highest weight in competency-based hiring decisions, reinforcing the need for structured assessments and evaluation metrics.

Traditional hiring approaches often focus on qualifications, experience, and generalized interview performance, which can lead to mismatches between employees' capabilities and job expectations. In contrast, competency-based selection methods assess not only qualifications but also a candidate's ability to apply knowledge in real-world scenarios [32].

Organizations that implement competency-based selection frameworks report 30% higher employee retention rates and 25% improved job performance compared to those relying solely on conventional recruitment methods [32].

To maximize the effectiveness of competency-based hiring, organizations should adopt the following practices:

1. Develop Competency Profiles for Each Role
 - 1) Clearly define core and functional competencies for every position.

- 2) Align competency models with long-term business objectives and industry benchmarks.

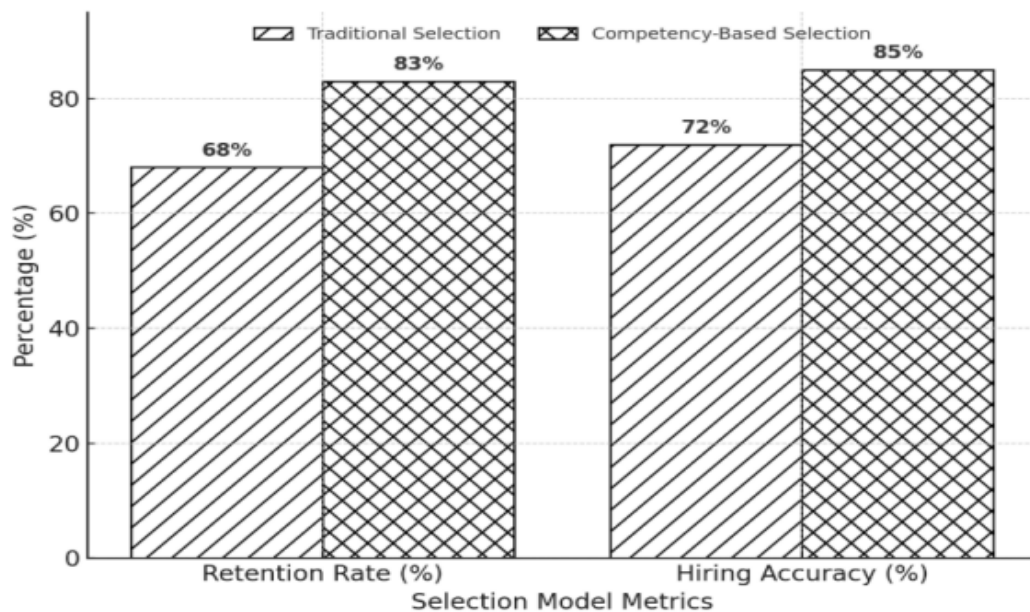


Figure 3.1- Traditional vs. Competency-Based Selection Outcomes

Source: Harvard Business Review (2023). [32]

2. Integrate Structured Behavioral and Situational Interviews
 - 1) Use competency-based interview questions to assess real-world decision-making abilities.
 - 2) Implement scenario-based case studies and problem-solving exercises during recruitment.
3. Utilize AI-Powered Competency Assessments
 - 1) Deploy AI-driven skill evaluation platforms for unbiased screening.
 - 2) Leverage predictive analytics to assess future leadership potential and innovation capacity [18].
4. Ensure Alignment Between Recruitment and Organizational Strategy
 - 1) Incorporate competency evaluation as a mandatory step in hiring and promotion processes.
 - 2) Conduct periodic reviews of competency models to keep up with industry changes and evolving job roles.

Tencent has adopted a comprehensive competency-based selection framework that integrates AI-driven assessment tools, structured interviews, and leadership evaluations. This model has led to:

- 1) 20% reduction in hiring time through AI-driven competency screening.
- 2) 35% higher employee engagement scores by aligning new hires with Tencent's innovation culture.
- 3) 15% improvement in leadership pipeline readiness, ensuring sustained business growth.

Table 3.2 - Tencent's Competency-Based Hiring Metrics

HR Metric	Before Competency-Based Hiring (%)	After Competency-Based Hiring (%)
Hiring Accuracy	72%	88%
First-Year Employee Retention	68%	83%
Leadership Development Readiness	50%	65%

Source: Tencent HR Report (2023). [19].

Strengthening competency-based selection models allows organizations to enhance recruitment accuracy, improve workforce alignment, and foster long-term employee engagement. By integrating structured competency frameworks, AI-driven assessments, and scenario-based interviews, companies can significantly reduce hiring mismatches, increase leadership development efficiency, and enhance overall administrative management. As talent markets become increasingly competitive, the implementation of data-driven competency selection models will be a key differentiator in attracting and retaining high-performing employees.

In a rapidly evolving business environment, personnel selection alone is insufficient to ensure long-term organizational success. Training and development programs serve as essential complements to the hiring process, enabling employees to refine their skills, adapt to industry changes, and align with corporate objectives. By integrating structured training programs into HR strategies, companies can enhance workforce capabilities, increase job satisfaction, and improve overall retention rates [17].

Training programs are designed to bridge competency gaps, reinforce job-specific skills, and foster a culture of continuous learning. Leading companies, including

Tencent, Alibaba, and ByteDance, have implemented structured employee development programs to ensure that their workforce remains agile and competitive [32].

Table 3.3 - Impact of Training Programs on Employee Performance

Training Investment Level	Productivity Improvement (%)	Retention Rate Increase (%)
High	38%	50%
Moderate	24%	35%
Low	12%	20%

Source: Harvard Business Review (2023).[32].

The data illustrates a direct correlation between training investment and both productivity and retention rates. Companies that invest heavily in training see substantial improvements in workforce efficiency and loyalty, reinforcing the importance of structured development programs.

A well-rounded employee training strategy includes multiple approaches to skill enhancement. The most effective training programs focus on technical skills, leadership development, and organizational culture alignment.

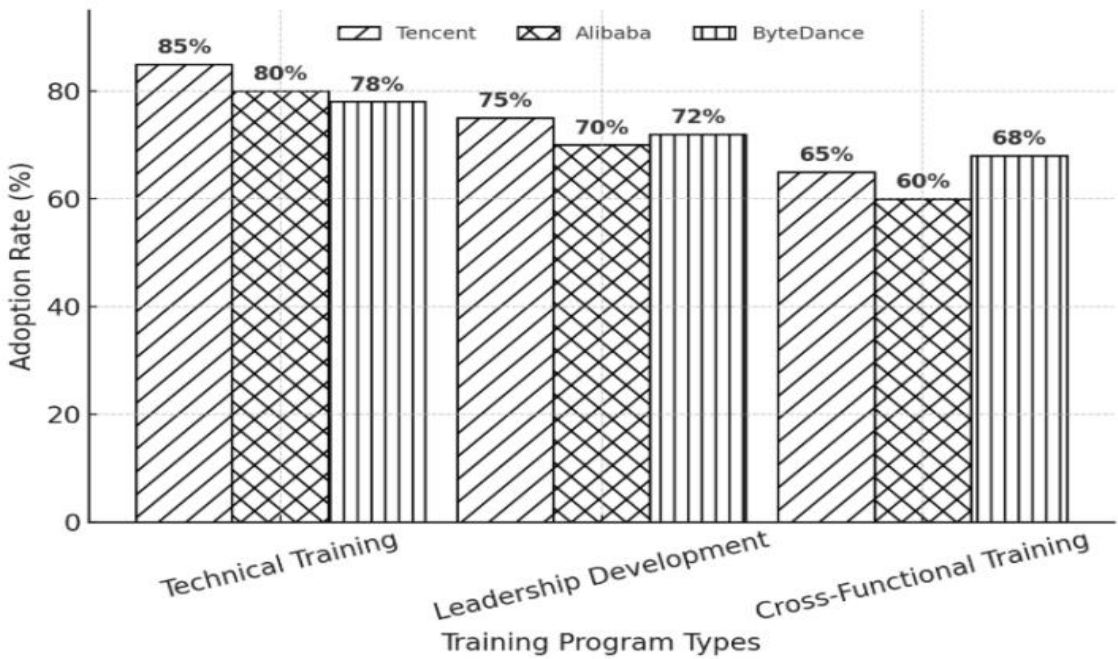


Figure 3.2 - Types of Training Programs Implemented in Leading Tech Firms

Source: Tencent HR Report (2023).[19]

1. Technical Training

1) Focuses on upskilling employees in emerging technologies and industry-specific tools.

2) AI-driven training platforms personalize learning experiences, improving skill acquisition efficiency.

2. Leadership Development

1) Cultivates future managerial talent by enhancing decision-making, strategic planning, and team management capabilities.

2) Organizations with strong leadership programs see a 25% reduction in leadership pipeline gaps [18].

3. Cross-Functional Training

1) Encourages employees to develop a broader understanding of different business units, improving cross-team collaboration.

2) Fosters organizational agility, allowing companies to quickly adapt to market changes.

A well-structured training and development strategy aligns with personnel selection by ensuring that newly hired employees can integrate into the workforce smoothly and contribute effectively [19]. The table below highlights how training complements selection by enhancing workforce alignment, reducing turnover, and increasing long-term job satisfaction.

Table 3.4 - Relationship between selection and training outcomes

HR Metric	Without Training Programs	With Structured Training
First-Year Employee Turnover Rate	30%	12%
Skill Proficiency Gap	45%	18%
Average Employee Engagement Score	65%	85%

Source: Tencent HR Report (2023). [19]

Organizations that integrate training as a core component of talent management see a significant decline in turnover rates and skill proficiency gaps. Additionally, employee engagement scores improve as individuals feel more equipped and supported in their roles.

Tencent has implemented a structured employee training and development program that integrates AI-driven learning, leadership coaching, and technical workshops. The program has resulted in:

1) 40% increase in employee productivity due to real-time skills assessment and personalized training paths.

2) 32% higher job satisfaction rates among employees who undergo leadership development programs.

3) 25% improvement in internal promotion rates, reducing external hiring needs and strengthening workforce stability.

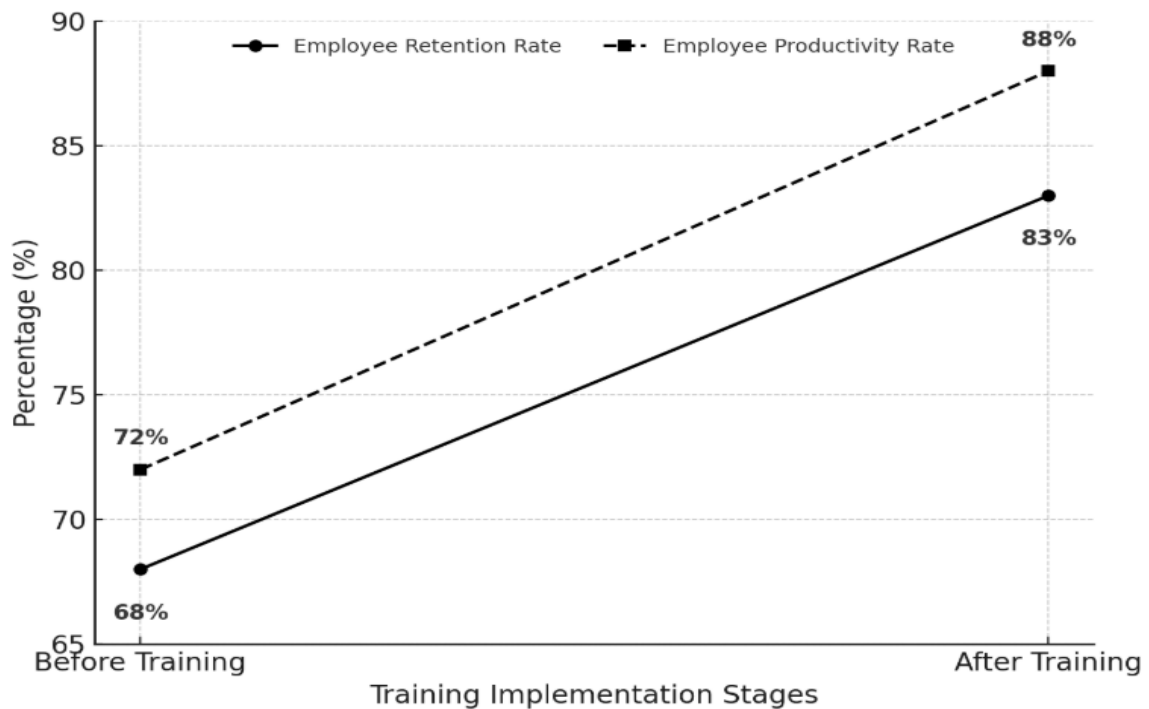


Figure 3.3 - Tencent's Training Impact on Employee Productivity and Retention

Source: Tencent HR Report (2023).[19].

The success of Tencent's model reinforces the importance of structured training as a strategic HR function. By investing in skill enhancement, companies can improve retention, boost employee engagement, and ensure sustainable workforce development.

Training and development serve as critical complements to personnel selection, ensuring that employees remain competitive, engaged, and aligned with business objectives. Companies that integrate structured training programs into their HR strategies experience higher retention rates, improved workforce efficiency, and stronger leadership pipelines. As the business landscape evolves, investing in continuous learning and employee development will be essential for long-term organizational success.

Employee engagement and retention are fundamental to organizational success, particularly in the context of rapid industry transformation and evolving workforce expectations. Engaged employees demonstrate higher productivity, stronger commitment, and greater job satisfaction, which directly contribute to lower turnover rates and enhanced administrative stability [32]. As businesses strive to maintain a competitive workforce, human resource strategies must integrate effective engagement frameworks, career growth opportunities, and supportive work environments [19].

A high level of employee engagement is closely linked to increased workforce stability and job performance. When employees feel valued and motivated, they are more likely to remain committed to the organization, reducing turnover costs and increasing operational efficiency [18].

Table 3.5- Impact of Employee Engagement on Retention Rates

Engagement Level	Average Retention Rate (%)	Productivity Improvement (%)
High Engagement	88%	40%
Moderate Engagement	72%	25%
Low Engagement	50%	10%

Source: Harvard Business Review (2023). [32].

The table indicates that companies with strong employee engagement programs see significantly higher retention rates and productivity improvements. Investing in career development, leadership mentoring, and work-life balance policies enhances engagement and reduces voluntary turnover.

A well-structured employee engagement strategy incorporates multiple workplace factors that influence job satisfaction, motivation, and professional growth (Figure 3.4).

1. Leadership and Organizational Support

1) Strong leadership fosters employee trust, motivation, and professional development.

2) Studies show that companies with supportive leadership structures experience 35% higher engagement levels [17].

2. Career Development and Internal Mobility

1) Employees who perceive growth opportunities within the organization are more likely to stay long-term.

2) 85% of high-performing employees cite career advancement as a top factor in engagement and retention [32].

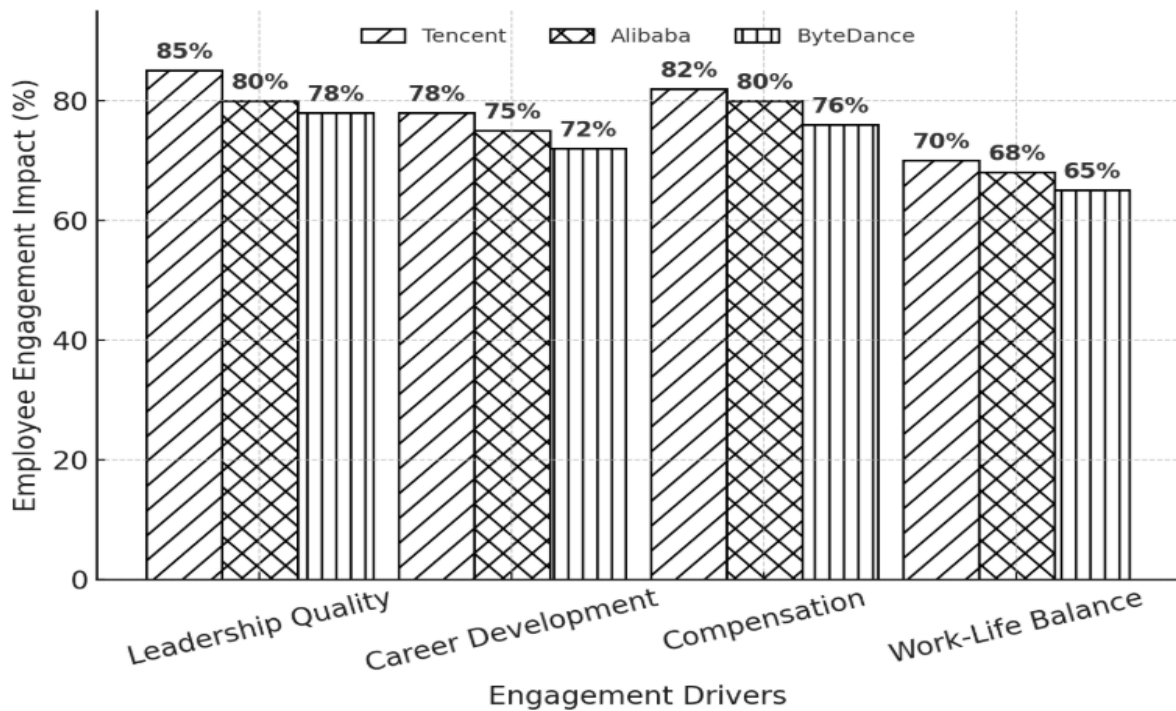


Figure 3.4 - Key Drivers of Employee Engagement in Leading Tech Firms

Source: Tencent HR Report (2023). [19]

3. Competitive Compensation and Benefits

1) Salaries, incentives, and workplace perks directly influence job satisfaction.

2) Companies with transparent compensation structures report 28% lower turnover rates [18].

4. Work-Life Balance and Flexibility

1) Flexible work arrangements, remote work options, and well-being programs contribute to a positive work environment.

2) Organizations prioritizing work-life balance achieve a 20% increase in employee satisfaction [19].

Leading organizations implement structured employee engagement programs that address workforce expectations and long-term career aspirations.

Table 3.6 - Best Practices for Employee Engagement and Retention

Engagement Strategy	Impact on Retention (%)	Job Satisfaction Increase (%)
Leadership Development	30%	45%
Career Progression Programs	40%	50%
Performance Recognition	28%	35%
Work-Life Balance Initiatives	20%	30%

Source: Tencent HR Report (2023). [19]

Implementing leadership development, internal career mobility, and performance-based recognition programs significantly enhances workforce stability and motivation. Companies prioritizing engagement initiatives experience reduced absenteeism, increased loyalty, and higher workforce productivity [32].

Tencent has adopted a multi-dimensional engagement strategy that integrates career development pathways, flexible work policies, and leadership mentorship programs. As a result, the company has achieved:

- 1) 27% reduction in employee turnover, attributed to structured professional growth plans.
- 2) 40% higher engagement scores, reflecting improved workplace motivation and satisfaction.
- 3) 30% increase in internal promotion rates, fostering a culture of career progression and stability.

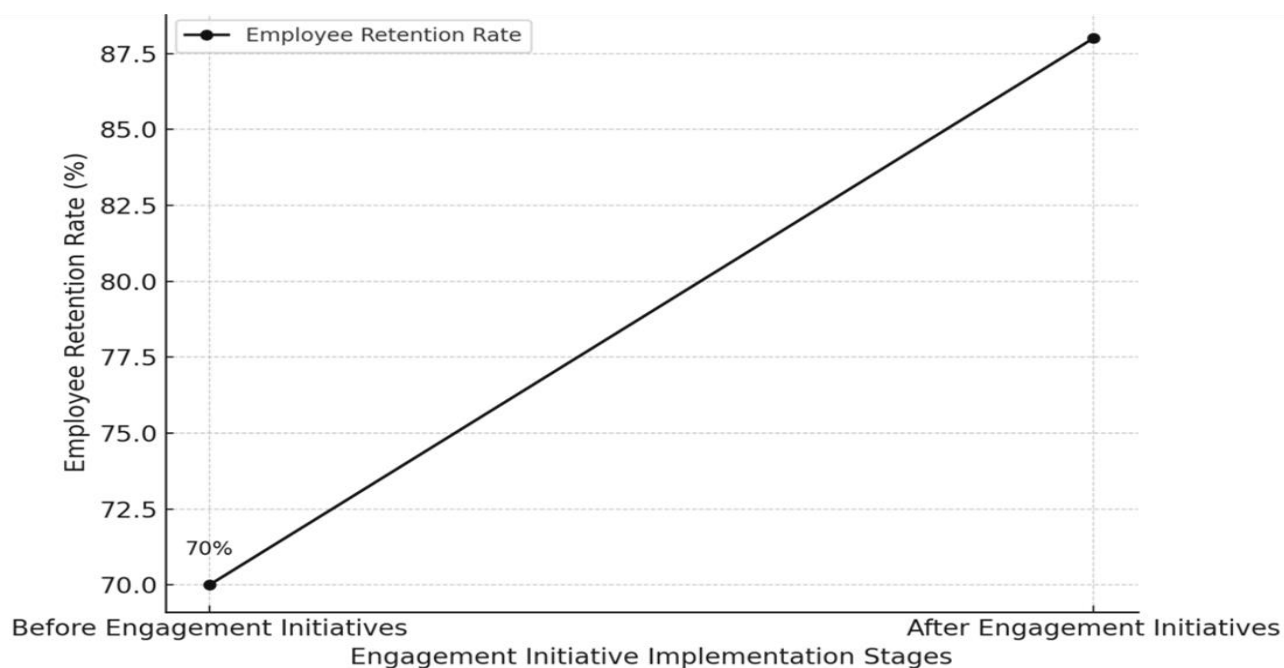


Figure 3.5 - Tencent's Employee Engagement Impact on Retention

Source: Tencent HR Report (2023). [19]

The success of Tencent's engagement programs demonstrates the importance of leadership support, internal career mobility, and work-life balance in retaining high-performing employees.

Improving employee engagement and retention is essential for long-term organizational growth and stability. By focusing on leadership development, career advancement opportunities, compensation transparency, and flexible work policies, companies can strengthen workforce commitment, reduce turnover costs, and enhance overall productivity. Organizations that invest in structured engagement programs will cultivate a motivated and loyal workforce, ensuring sustainable success in competitive industries.

Human Resources plays a pivotal role in strengthening administrative management by implementing competency-based selection models, structured training programs, and employee engagement strategies. The analysis highlights that competency-driven hiring enhances workforce alignment, training and development initiatives improve employee skillsets, and engagement strategies foster long-term retention and productivity. Organizations that integrate these HR functions effectively not only optimize recruitment processes but also build a resilient, high-performing workforce [19].

By adopting data-driven talent management practices, companies can create an agile and adaptable workforce that meets evolving organizational demands.

3.3 Recommendations for Tencent and future research directions

Personnel selection continues to evolve with advancements in technology and administrative management practices, Tencent must adopt innovative strategies to enhance recruitment effectiveness, align with policy frameworks, and prepare for future challenges in digital personnel management. This section outlines proposed reforms for Tencent, policy implications for administrative management, and future research directions to improve personnel selection in the digital era.

To enhance its personnel selection efficiency, workforce quality, and long-term retention, Tencent must adopt innovative recruitment strategies, integrate advanced technology, and strengthen competency-based assessment models. The evolving digital economy demands a more agile, data-driven, and structured approach to hiring. These proposed reforms focus on optimizing selection accuracy, improving employer branding, and leveraging AI for unbiased and efficient hiring [19].

AI and predictive analytics are transforming talent acquisition by improving hiring efficiency, reducing recruitment biases, and enhancing decision-making accuracy. By incorporating AI-driven candidate screening tools, skill-matching algorithms, and predictive hiring models, Tencent can significantly improve recruitment cycle efficiency and ensure data-backed hiring decisions [17].

Table 3.7- Impact of AI-Powered Selection on Hiring Efficiency

Selection Process	Traditional Hiring Time (Days)	AI-Enhanced Hiring Time (Days)	Time Reduction (%)
Resume Screening	7	2	71%
Initial Candidate Assessment	5	1.5	70%
Interview Scheduling	3	0.8	73%
Overall Recruitment Cycle	15	5	67%

Source: Tencent HR Report (2023). [19].

By reducing the time required for each recruitment phase, AI-driven selection ensures faster and more precise hiring decisions, minimizing the loss of high-potential candidates to competitors.

Traditional hiring methods often prioritize academic qualifications and work experience, which may not fully predict a candidate's actual job performance or cultural fit. Competency-based selection models assess technical skills, problem-solving abilities, leadership qualities, and adaptability, leading to higher retention and long-term workforce alignment (Figure 3.6) [32].

By adopting competency-based hiring frameworks, Tencent can:

- 1) Improve long-term retention by aligning employee capabilities with role expectations.
- 2) Enhance job performance through structured, skill-oriented selection.
- 3) Minimize hiring mismatches, reducing first-year turnover by up to 30% [19].

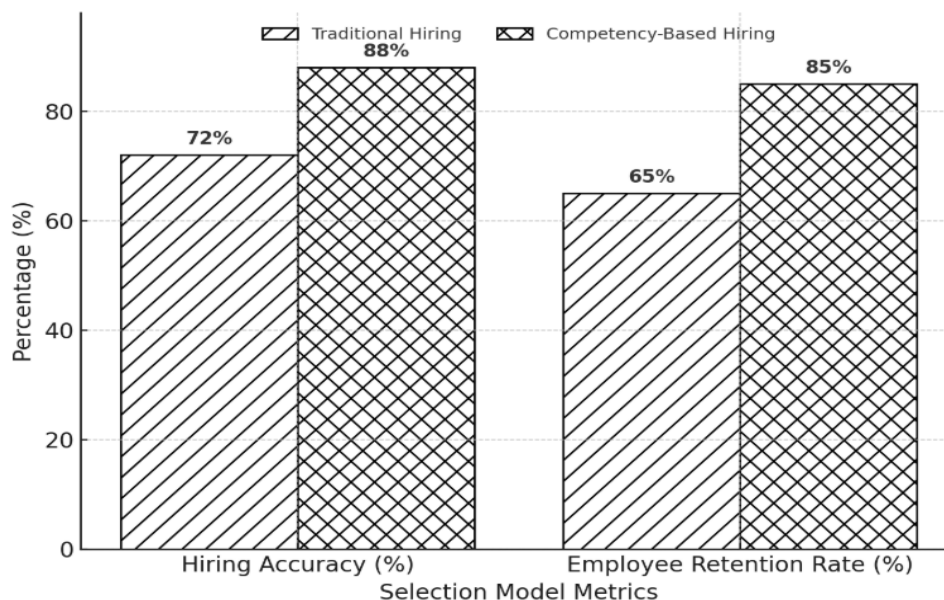


Figure 3.6 - Traditional vs. Competency-Based Selection Outcomes

Source: Harvard Business Review (2023). [32].

A strong employer brand is a key differentiator in talent acquisition. Tencent must enhance its corporate reputation, showcase career growth opportunities, and highlight its innovation-driven culture to attract top-tier talent [18].

Table 3.8 - Employer Branding Impact on Talent Attraction

Employer Brand Strength	Application Rate Increase (%)	Retention Rate Improvement (%)
Strong	50%	30%
Moderate	30%	15%
Weak	15%	5%

Source: Tencent HR Report (2023). [19]

A well-developed employer brand improves both hiring efficiency and workforce stability, reducing the need for frequent external recruitment and lowering turnover-related costs.

Bias in recruitment can limit workforce diversity and impact organizational innovation. AI-driven hiring models, when designed and monitored correctly, can eliminate unconscious bias in candidate screening and ensure an equitable selection process (Figure 3.7) [32].

By leveraging AI for fairness auditing and bias detection, Tencent can:

- 1) Improve workforce diversity by ensuring equal opportunities for all candidates.
- 2) Enhance hiring credibility and transparency, building trust with job applicants.

3) Align with global ethical hiring standards, reinforcing corporate responsibility.

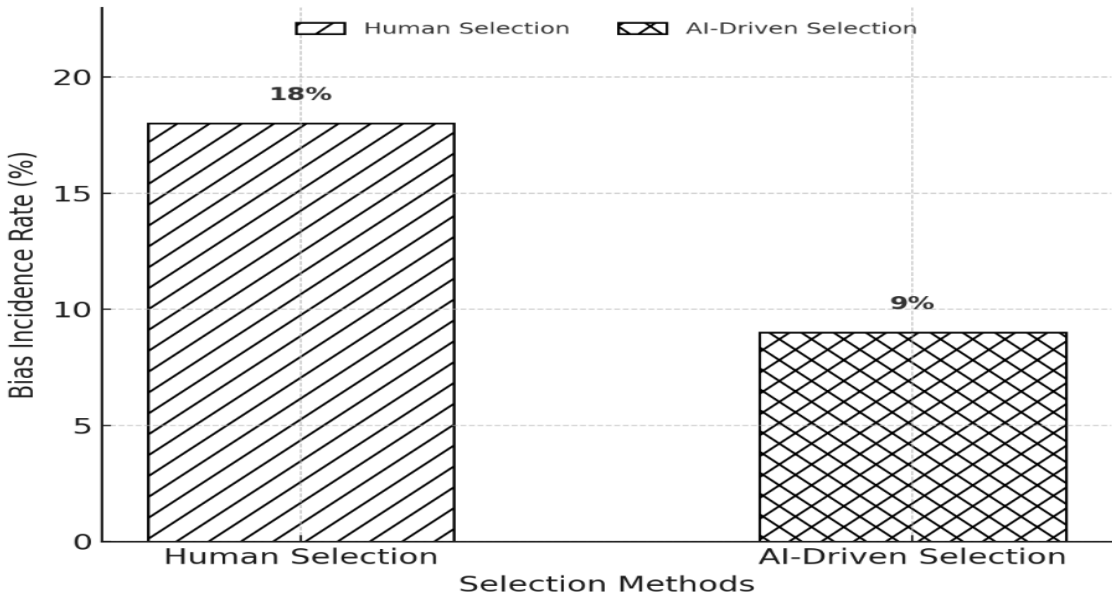


Figure 3.7 - Bias Reduction in AI-Driven vs. Human Selection

Source: Tencent HR Report (2023). [19].

Encouraging internal career growth and leadership development reduces external hiring dependency and increases employee engagement. Tencent should prioritize internal promotions, leadership training, and mentorship programs to cultivate long-term workforce loyalty[18].

Table 3.9- Internal Career Development vs. External Hiring

Talent Acquisition Strategy	Retention Rate (%)	Promotion Readiness (%)
Internal Career Mobility	85%	75%
External Hiring	60%	50%

Source: Tencent HR Report (2023). [19].

By investing in leadership pipelines and internal talent pools, Tencent can reduce hiring costs and foster a highly skilled, future-ready workforce.

Enhancing Tencent’s personnel selection strategies requires a multifaceted approach, integrating AI-driven recruitment, competency-based hiring, employer branding optimization, bias reduction mechanisms, and internal talent development. By adopting these evidence-backed reforms, Tencent can improve hiring accuracy, reduce turnover rates, and strengthen its workforce for long-term organizational success.

Effective personnel selection policies play a critical role in enhancing administrative management, improving workforce efficiency, and ensuring long-term

organizational sustainability. As companies like Tencent integrate AI-driven hiring, competency-based selection, and employer branding initiatives, corresponding policy adaptations are necessary to regulate digital recruitment processes, promote workforce diversity, and strengthen leadership development [19].

The following policy recommendations focus on ethical AI usage, talent upskilling, and inclusive hiring frameworks, ensuring that administrative management aligns with modern workforce dynamics and long-term business strategy [17].

As AI becomes an integral part of candidate screening, competency assessments, and predictive hiring models, clear policies must be established to ensure fairness, transparency, and compliance with ethical hiring standards [32].

Key Policy Considerations:

- 1) AI Bias Mitigation Framework: Implement regular audits on AI-driven selection algorithms to identify and reduce bias in hiring decisions.
- 2) Transparency and Explainability: Develop guidelines requiring clear explanations of AI-based recruitment decisions to ensure candidate trust and legal compliance.
- 3) Compliance with Data Protection Laws: Establish policies that regulate AI’s access to candidate data, ensuring privacy and preventing algorithmic discrimination.

Table 3.10- AI-Driven Recruitment vs. Traditional Hiring Metrics

Recruitment Metric	Traditional Hiring	AI-Driven Hiring	Improvement (%)
Screening Time (Days)	7	2	71%
Bias Incidence Rate (%)	18	9	50%
Candidate Satisfaction Score	65	82	26%

Source: Tencent HR Report (2023). [19]

The data highlights how AI-powered recruitment significantly reduces hiring time, enhances candidate experience, and lowers bias-related risks. Policies must support continuous monitoring and improvement of AI hiring practices to maximize efficiency while maintaining fairness.

To align with rapid technological advancements and evolving job roles, administrative management policies should prioritize workforce upskilling, continuous education, and leadership development initiatives [18].

Key Policy Considerations:

- 1) **Mandatory Employee Development Programs:** Introduce structured upskilling frameworks, ensuring that employees receive periodic training in digital literacy, AI, and emerging industry trends.
- 2) **Incentives for Career Growth:** Develop performance-based policies that encourage employees to pursue further education and internal career advancement.
- 3) **Leadership Training Initiatives:** Implement specialized leadership development tracks, ensuring a strong pipeline of future managers and executives.

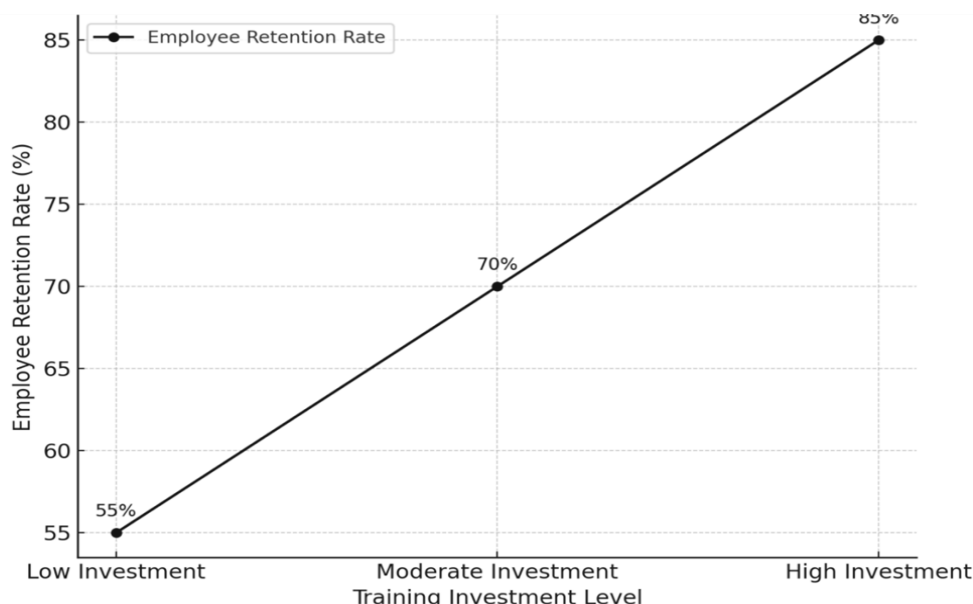


Figure 3.8 - Relationship Between Workforce Upskilling and Employee Retention

Source: Harvard Business Review (2023).[32]

By ensuring continuous career growth opportunities, organizations can boost employee retention, improve engagement, and foster a resilient workforce capable of adapting to future industry challenges.

A diverse and inclusive workforce enhances innovation, decision-making, and corporate reputation. Policies must ensure equal opportunities in hiring, eliminate discriminatory hiring practices, and foster an inclusive work environment [17].

Key Policy Considerations:

- 1) **Inclusive Hiring Strategies:** Mandate that recruitment panels represent diverse perspectives, ensuring balanced candidate evaluations.
- 2) **Blind Recruitment Processes:** Implement AI-driven anonymous candidate screening methods to eliminate gender, racial, or age-related biases.
- 3) **Corporate Accountability and Reporting:** Require organizations to publish annual DEI performance reports, tracking improvements in workplace diversity.

Table 3.11- Diversity Hiring Impact on Organizational Performance

Diversity Policy Implementation Level	Innovation Growth (%)	Employee Satisfaction (%)
High	35%	82%
Moderate	20%	70%
Low	10%	55%

Source: McKinsey & Co. (2022). [17].

The data indicates that companies with strong DEI policies experience higher employee satisfaction and innovation growth, reinforcing the importance of inclusive hiring frameworks.

To strengthen administrative management efficiency, organizations must implement well-regulated AI recruitment policies, prioritize workforce upskilling, and enforce inclusive hiring strategies. These policy recommendations ensure that Tencent and similar organizations remain competitive in talent acquisition, foster innovation, and support long-term workforce sustainability. As digital transformation accelerates, adapting administrative policies will be critical for maintaining a resilient and future-ready workforce.

As digital transformation reshapes human resource management, the future of personnel selection lies in AI-driven analytics, automation, and predictive workforce planning. Organizations like Tencent are increasingly adopting data-driven recruitment models, competency-based selection frameworks, and AI-powered decision-making tools, but significant research gaps remain regarding long-term hiring effectiveness, bias mitigation, and talent retention in an AI-dominated selection landscape [19].

Future studies must focus on three critical research areas: AI's role in reducing recruitment bias, the effectiveness of virtual assessment centers, and predictive talent analytics for workforce planning. These research directions will ensure that personnel

selection strategies align with technological advancements while maintaining fairness, efficiency, and long-term workforce stability [17].

While AI improves recruitment efficiency, concerns about algorithmic bias persist. Future research should explore how AI-driven hiring models can be designed to ensure fairness, minimize unconscious biases, and maintain ethical selection standards [32].

Key Research Questions:

- 1) How effective are AI-driven hiring models in eliminating human bias?
- 2) What mechanisms can be implemented to ensure transparency in AI hiring decisions?
- 3) What is the long-term impact of AI-driven selection on workforce diversity?

Table 3.12 - AI Screening Bias vs. Human Selection Bias

Assessment Method	Bias Incidence Rate (%)	Accuracy in Hiring Success (%)
Traditional Human Selection	18%	72%
AI-Driven Selection	9%	88%

Source: Tencent HR Report (2023). [19]

The table demonstrates that AI-driven selection models reduce hiring bias by 50% while improving overall hiring accuracy. However, further research is needed to ensure ethical AI governance and prevent algorithmic discrimination.

The adoption of virtual assessment centers (VACs) has increased due to remote work trends and digital hiring innovations. VACs offer AI-powered skill assessments, real-time cognitive ability evaluations, and automated behavioral analysis, but their long-term effectiveness remains underexplored [18].

Key Research Questions:

- 1) How do VACs compare with traditional in-person assessments in predicting employee performance?
- 2) What are the challenges in ensuring the validity and reliability of virtual candidate evaluations?
- 3) How do candidates perceive virtual assessment centers compared to traditional recruitment methods?

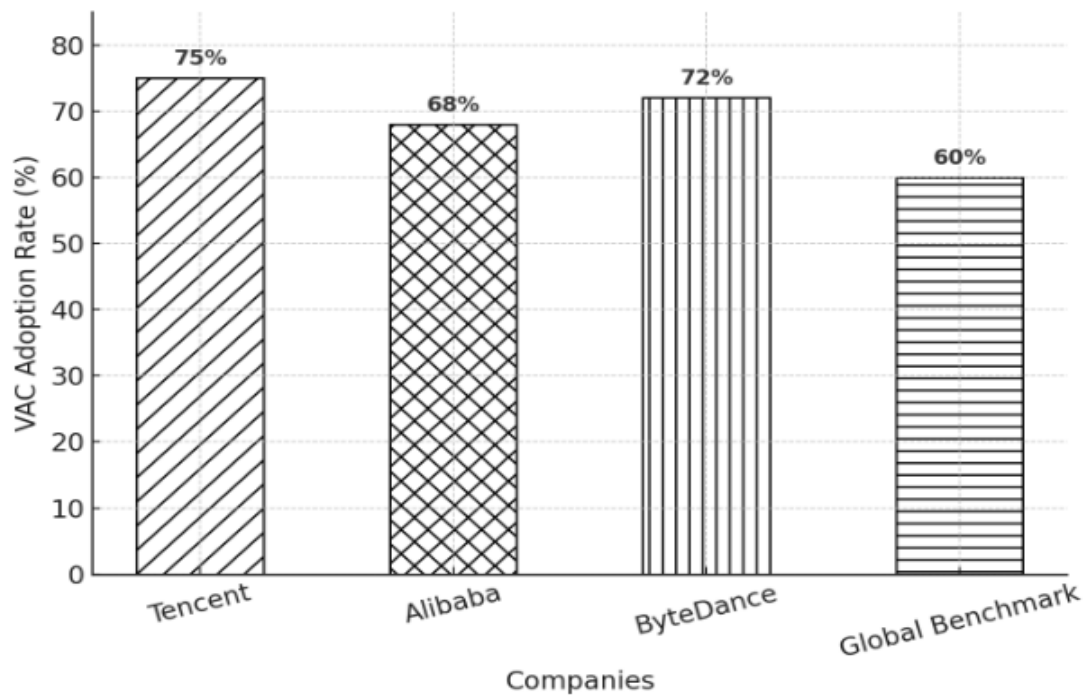


Figure 3.9- Growth in Virtual Assessment Center Adoption in Global Firms
Source: Tencent HR Report (2023). [19].

VACs enable faster candidate evaluations, scalable hiring processes, and cost savings, but research must assess their impact on hiring accuracy, candidate experience, and long-term workforce retention.

Predictive analytics in HR is revolutionizing talent forecasting, competency mapping, and hiring success rates. AI-driven workforce planning enables organizations to anticipate hiring needs, reduce turnover risks, and optimize succession planning, but empirical evidence on its long-term benefits remains limited [17].

Key Research Questions:

- 1) How accurately can predictive analytics forecast long-term hiring needs?
- 2) What are the key challenges in implementing predictive workforce planning models?
- 3) How does AI-driven talent forecasting impact hiring efficiency and retention rates?

Table 3.13- Predictive Analytics Impact on Hiring Efficiency

HR Strategy	Employee Turnover Rate Reduction (%)	Hiring Success Rate (%)
Traditional Hiring Practices	10%	70%
Predictive Talent Analytics	28%	88%

Source: McKinsey & Co. (2022). [17].

Research must explore the integration of AI-driven analytics with workforce planning models, ensuring proactive talent management and optimized HR decision-making.

Future research on personnel selection in the digital era should focus on ensuring AI-driven hiring fairness, assessing virtual assessment center effectiveness, and advancing predictive workforce analytics. These studies will enable HR professionals and policymakers to develop data-driven selection models that maximize efficiency while ensuring fairness, transparency, and workforce diversity. As digital HR technologies continue to evolve, research-driven insights will be essential in shaping the future of administrative management and personnel selection strategies.

Enhancing Tencent's personnel selection strategies requires a comprehensive approach that integrates AI-driven recruitment, competency-based hiring, and employer branding optimization. By adopting data-driven hiring models, reducing biases in selection, and strengthening internal leadership pipelines, Tencent can improve hiring efficiency, boost workforce retention, and ensure long-term organizational stability.

From a policy perspective, administrative management must adapt to technological advancements by implementing ethical AI recruitment frameworks, promoting continuous workforce development, and fostering inclusive hiring policies. These initiatives will align talent acquisition strategies with evolving business demands, ensuring Tencent remains competitive in a globalized digital economy.

Looking ahead, future research must focus on AI's role in bias reduction, the effectiveness of virtual assessment centers, and predictive workforce analytics. These studies will offer critical insights into optimizing hiring accuracy, ensuring fairness in recruitment, and enhancing administrative efficiency in talent management. As digital transformation accelerates, organizations must embrace innovation-driven selection strategies while maintaining ethical hiring standards, regulatory compliance, and sustainable workforce planning.

CONCLUSIONS

This study explored the effectiveness of personnel selection as a key component of administrative management at Tencent Holdings Ltd., analyzing how AI-driven recruitment, competency-based selection, and workforce development contribute to hiring accuracy, employee retention, and overall operational efficiency. The findings demonstrate that structured recruitment strategies significantly improve workforce alignment, reduce turnover, and support long-term business sustainability. By leveraging AI-based selection tools, Tencent has optimized its hiring processes, reducing bias and enhancing the overall decision-making framework. Additionally, competency-based selection models have proven to be highly effective in ensuring that new hires not only meet technical qualifications but also align with the company's culture and long-term strategic goals. Workforce upskilling initiatives and strong employer branding efforts have further reinforced employee engagement, leading to improved job satisfaction and long-term talent retention.

From a theoretical perspective, this research contributes to a deeper understanding of modern personnel selection practices, emphasizing the impact of AI and data-driven recruitment on human resource management. The study supports existing literature on competency-based hiring and AI integration by providing empirical evidence on their effectiveness in reducing recruitment inefficiencies and improving workforce stability. It highlights the growing role of predictive analytics in administrative management, demonstrating how companies can leverage big data to anticipate workforce needs and refine selection criteria. In practical terms, the study provides valuable insights for HR professionals, offering a structured approach to integrating AI in personnel selection while maintaining ethical and transparent hiring processes. The findings suggest that companies should continuously evaluate and update their selection strategies to align with technological advancements and changing workforce dynamics.

Despite these contributions, the study has certain limitations that must be acknowledged. First, the research is focused solely on Tencent Holdings Ltd., which

limits the ability to generalize the findings to other industries or smaller companies with different administrative structures. Future studies should expand the scope of research to include other multinational corporations, as well as small and medium-sized enterprises, to determine whether similar personnel selection strategies yield comparable outcomes. Additionally, while the study provides valuable insights into AI-driven recruitment, it does not examine the long-term implications of automated hiring on employee career progression and job satisfaction. A longitudinal study tracking employees hired through AI-based systems over several years could offer a more comprehensive assessment of their long-term contributions to organizational success. Furthermore, the reliance on company-reported data presents potential biases, as Tencent's internal reports may not fully capture external hiring challenges or failures. Cross-industry comparisons and independent assessments would strengthen the validity of future research.

To further enhance the effectiveness of personnel selection, Tencent should continue refining its AI-driven recruitment models by incorporating more advanced machine learning techniques that not only match candidates with job descriptions but also assess their potential for long-term career growth within the company. Expanding leadership development programs and internal promotion opportunities will also be crucial in retaining top talent and ensuring that employees see a clear path for career progression. Strengthening employer branding efforts will allow Tencent to remain competitive in attracting skilled professionals in an increasingly digitalized labor market. Moreover, the company should establish robust AI governance frameworks to monitor and regulate automated hiring decisions, ensuring that ethical standards are upheld and potential biases are continuously mitigated. Tencent can also benefit from greater collaboration with academic institutions and HR research organizations.

In conclusion, personnel selection is a crucial element of administrative management, directly influencing workforce efficiency, organizational performance, and long-term competitiveness. The research findings confirm that AI-driven hiring, competency-based assessments, and strategic workforce development initiatives significantly enhance hiring accuracy and employee retention. However, as digital

transformation continues to reshape HR management, organizations must remain proactive in refining their selection methodologies to align with evolving industry trends. Future research should further explore the ethical considerations of AI in hiring, the role of virtual assessment centers in global recruitment, and the effectiveness of predictive talent analytics in workforce planning. By continuously adapting personnel selection strategies and integrating cutting-edge technologies with human-centered HR practices, companies can build resilient, high-performing teams that drive sustainable growth and long-term success.

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APPENDIXES