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The Digital Shift In Hiring: A Critical Review of Traditional and Contemporary Recruitment Techniques

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Abstract: The recruitment and selection landscape has undergone a significant transformation with the advent of digital technologies. This study critically reviews and compares traditional recruitment techniques—characterized by manual processes and subjective assessments with modern, technology-driven methods that leverage artificial intelligence (AI), applicant tracking systems (ATS), and predictive analytics. Through a systematic literature review guided by the CIMO (Context–Intervention Mechanism Outcome) framework and the PRISMA methodology, the research synthesizes findings from 70 peer-reviewed articles published between 2010 and 2024. The analysis focuses on six core performance variables: cost-efficiency, time-to-hire, candidate experience, quality of hire, employer branding, and data-driven decision-making. The findings reveal that digital recruitment tools significantly enhance efficiency, scalability and hiring accuracy, while also improving candidate engagement and brand perception. However, they also present ethical and transparency challenges. Traditional methods, despite their limitations, continue to offer value in contexts requiring nuanced human judgment. The study concludes by advocating for a hybrid recruitment model that combines the speed and scalability of digital tools with the relational strengths of traditional approaches. This paper contributes to the evolving discourse on talent acquisition by offering a holistic, theoretically grounded and practically relevant comparison of recruitment paradigms in the digital era.

Keywords: *Digital Recruitment, Artificial Intelligence in Hiring, Traditional Recruitment Methods, Talent Acquisition Strategies and Candidate Experience.*

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I. INTRODUCTION

This Recruitment and selection are the basis functions in human resource management that form the core of organizational employees,One of the most important 10 determinants of competitiveness. Tradtitionally recruiting was dominated by conventional methods such as newspaper advertising, internal referrals, and walk-ins, manual sifts of resumes (Breaugh, 2008; Barber, 1998). These approaches were subjective from the recruiters perspective, focusing on their judgment and on "gut feel about the person's ability to do the job (Newell, 2005) behind the face-to-face interview.

The 1990s witnessed the beginning of the digital transformation in recruitment as job boards such as Monster and CareerBuilder offered digital platforms for vacancy advertisements, but with little or no automation in the selection of job applicants (Lee, 2005). The development of Applicant Tracking Systems (ATS) in the early 2000s represented a leap in the automation of resume storage, filtering and communication (Cappelli, 2001). The actual disruption started with the emergence of Web 2.0 technologies and social media sites, which made it possible to have two-way communication between candidates and organizations, and to develop employer branding strategies (Kaplan & Haenlein, 2010; Nikolaou, 2014).

This is the era of AI, machine learning, predictive analytics and chatbots in talent acquisition, to take the complexity out of candidate sourcing and post-interview feedback (Upadhyay & Khandelwal, 2018; van Esch & Black, 2019). Platforms such as LinkedIn, HireVue, and Pymetrics, have revolutionized the manner in which we recruit employees and have made little of even the “gut” instinct in favor of a system run by “If A, then B” (Chamorro-Premuzic et al. New recruiting tools integrated with Big Data reduce the price and time and analyze the cost and quality of the hire and candidate experience (Suen, Chen, & Lu, 2019). This technological transformation conforms to the Technology Acceptance Model (TAM) (Davis, 1989) in which the

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perceived of ease of use and usefulness affect the adoption of technology. The Diffusion of Innovations Theory (Rogers, 2003) suggests how so many organizations move through attentiveness to stages of adoption based on perceived advantages of 15 over what they're already doing.

Traditional approaches are more personalized and rely on trusted individuals, however, they tend to be inefficient and biased, and have limited coverage (Kumari, 2012; Holm, 2012). In contrast, efficient hiring that is closer to real-time, scalable, and can access global talent (with no or little room to unethical behaviors) are being developed but possibly by sacrificing human interaction and ethical transparency (Raghavan et al., 2020).

Against the above background, the present study critically reviews traditional and newfangled recruitment methods based on six major performance variables namely: cost-effectiveness effectiveness, time-to-hire, candidate experience, quality-of-hire, employer branding, and data-driven decision-making. This paper attempts to shed light, through an extensive review of academic and industry literatures, on the efficiency, challenges and future opportunities of recruitment practices in the digital transforming environment.

II. LITERATURE REVIEW

➢ *Context (C): The Changing Dynamics of Recruitment and Selection*

Recruitment and selection have traditionally been an indispensable part of human resource management and obliquely affect organizational performance, culture, and competitive ness. The traditional methods of recruitment used in the past included newspaper advertisements, walk-in interviews, internal job postings, employment exchanges, and other recruitment agencies (Barber, 1998; Breaugh, 2008). These were all human intuition, human judgment, and management evaluation. Although they provided a personal, and trust-rich, assessment, they tended to be time-consuming, expensive and ineffective especially for mass or high-turnover recruitment (Kumari, 2012; Holm, 2012).

The HR Trends 2021 report highlighted that in the past 20 years HR activity has undergone a digital transformation at high speed. The environment has changed from reactive recruitment of talent to being strategic and proactive about managing talent. Organizations are facing an increasingly uncertain and competitive world where responsiveness, speed and technology innovation is essential. Digitalization wrought by automation, artificial intelligence (AI), machine learning, and people analytics has revolutionized attracting, assessing, and selecting talent (Upadhyay & Khandelwal, 2018; Black & van Esch, 2020). This transformation can be attributed to larger tech-socio trends like Industry 4.0, remote working, globalization, and the gig economy. In today's hiring marketplace, the tools that are needed are those that can address the scale, speed, personalization, and data complexity demands that traditional means struggle to address (Levenson, 2018; Singh & Finn, 2003). As such, intuition-based decisions have been replaced by technology-informed, evidence-based decisions.

➢ *Intervention (I): Introduction of Digital and AI-Based Hiring Tools*

The key interventions that characterize this digital shift include:

- Applicant Tracking Systems (ATS): Automate resume sorting, interview scheduling, and communication workflows.
- AI-Powered Screening Tools: Use natural language processing and predictive analytics to identify high-potential candidates (Chamorro-Premuzic et al., 2016).
- Chatbots and Candidate Relationship Management (CRM) Systems: Provide instant communication, application support, and personalized updates (van Esch & Black, 2019).
- Social Media and Employer Branding Platforms: LinkedIn, Facebook, Instagram, and Glassdoor are leveraged for brand visibility and targeted job ads (Kaplan & Haenlein, 2010; Sivertzen et al., 2013).
- Data Analytics Dashboards: Enable recruiters to track metrics like source effectiveness, application drop-off rates, and time-to-hire (Marler & Boudreau, 2017).

These tools collectively represent a strategic shift in recruitment operations—from isolated, manual procedures to integrated, intelligent systems.

➢ *Mechanism (M): How Technology Changes Recruitment Logic*

These digital interventions bring about new recruitment mechanisms that challenge traditional logic:-

- Process Automation: Replaces time consuming tasks such as manual screening, reference checks and bulk email communication thereby freeing up recruiter bandwidth (Levenson, 2018).
- Scalability and Reach: Cloud-based platforms and job aggregators allow organizations to reach global talent pools with minimal effort (Koch, Gerber, & De Klerk, 2018).
- Predictive Evaluation: Algorithms assess behavioral indicators, performance history and even social media presence to predict job fit (Chamorro-Premuzic et al., 2016).
- Real Time Engagement: Chatbots and mobile notifications ensure 24/7 interaction with candidates, improving the application experience (Suen, Chen, & Lu, 2019).
- Standardization: Digital assessments reduce biases introduced by unstructured interviews and subjective impressions (Van Iddekinge et al., 2012).

These mechanisms also introduce new risks. For instance, AI tools can perpetuate historical biases embedded in training data (Raghavan et al., 2020). Overreliance on automation may reduce human empathy in decision-making, which is crucial for roles requiring soft skills or cultural sensitivity.

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➢ *Outcome (O): Impact Across Six Recruitment Variables*

The outcomes of these mechanisms are best evaluated through six key variables:

- *Cost-Efficiency:*

Digital channels can cut recruitment costs by bypassing the middlemen, reducing paperwork and optimizing media spends (Holm, 2012). AI tools that do the repetitive work and free up the recruiter to focus on the higher value add activity (Upadhyay & Khandelwal, 2018). This kind of software comes at a certain initial cost as well as a price of a subscription and can be expensive for an SME.

- *Time to Hire:*

Time to hire is dramatically decreased with automation. AI-driven companies only need half (or less) the time to make a hire: LinkedIn (2023). By automating the scheduling and resume parsing, you eliminate instances of human errors and speed up those candidates funnel.

- *Candidate Experience:*

Today's recruitment enhances candidate experience by way of personalization, transparency and responsiveness (van Esch & Black, 2019). Applicant status tracking provided by CRM tools, and chatbots that provide support reduce candidate drop offs (Kashi & Zheng, 2013). Senior and creative candidates could be put off by impersonal experiences.

- *Quality of Hire:*

Candidate-job matching will be further improved with the inclusion of AI looking at both hard skills, behavioural traits, and company fit (Chamorro-Premuzic et al., 2016). Systems such as HireVue and Pymetrics reveal valuable talent insights, and this directly results in enhanced retention and productivity (Van Iddekinge et al., 2012).

- *Employer Branding:*

Employer branding fundamentals such as content curation, user-generated content, and social engagement become exponentially more relevant in digital platforms, than analogue ones (Kaplan & Haenlein, 2010; Sivertzen et al., 2013). Candidate propensity to apply and brand recognition increases with a strong digital employer brand (Cable & Turban, 2001).

- *Data Driven Decision Making:*

The most modern tools supply external sourcing and recruitment funnel effectiveness data in real time (Marler & Boudreau, 2017). This increases objectivity, however, ethical worries about data protection, accountability and algorithmic fairness persist (Zliobaite, 2017; Jobin, Ienca, & Vayena, 2019).

Outcome Table 1 Impact of Digital Recruitment Interventions

Variable	Observed Outcome	Supporting Sources
Cost-Efficiency	Digital platforms reduce recruitment costs by minimizing third-party fees, manual labor, and ad spend.	Holm (2012); Upadhyay & Khandelwal (2018); Koch, Gerber, & De Klerk (2018)
Time-to-Hire	AI and automation speed up the hiring cycle by automating resume screening, scheduling, and responses.	Chamorro-Premuzic et al. (2016); LinkedIn (2023); Black & van Esch (2020)
Candidate Experience	Enhanced engagement via chatbots, personalized communication, and real-time application tracking.	van Esch & Black (2019); Suen, Chen, & Lu (2019); Kashi & Zheng (2013)
Quality of Hire	Improved matching through AI-based assessments of behavior, cognitive ability, and role fit.	Chamorro-Premuzic et al. (2016); Van Iddekinge, Raymark, Roth, & Payne (2012)
Employer Branding	Strengthened brand through consistent social media engagementand digital storytelling.	Kaplan & Haenlein (2010); Sivertzen, Nilsen, & Olafsen (2013); Cable & Turban (2001)
Data-Driven Decision-Making	Real-time metrics support strategic decisions,but ethical concerns (bias, transparency) remain.	Marler & Boudreau (2017); Zliobaite (2017); Raghavan, Barocas, Kleinberg, & Levy (2020); Jobin et al. (2019)

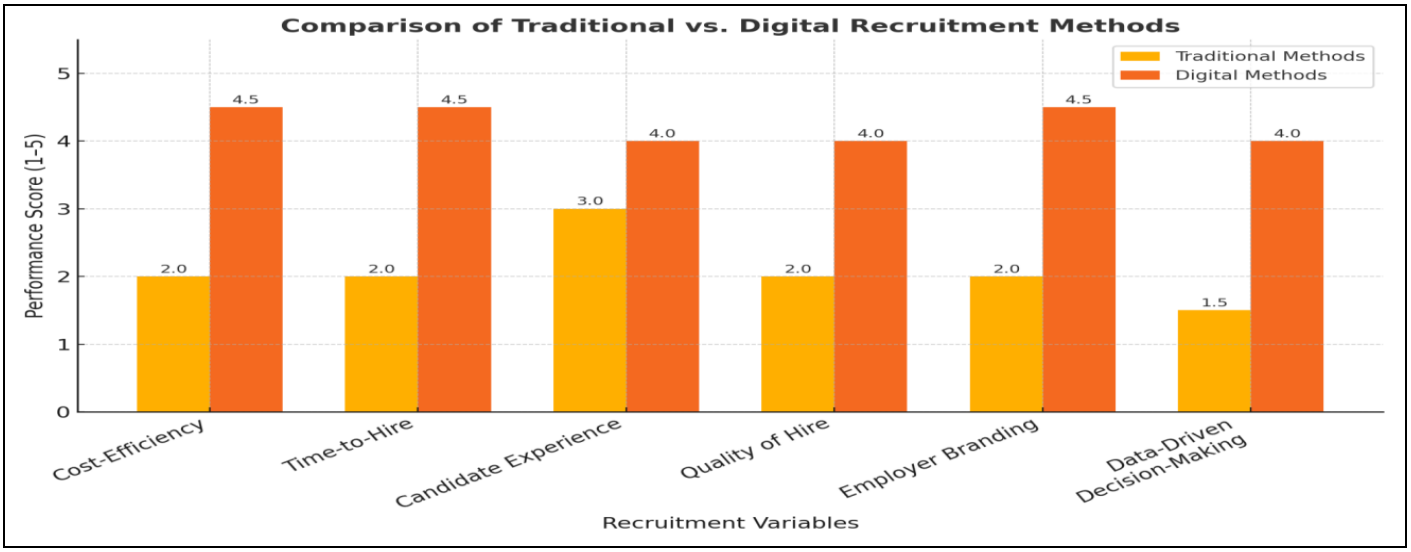

Fig 1 Comparison of Traditional vs. Digital Recruitment Methods

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The bar chart below illustrates the comparative performance of traditional and digital recruitment methods across six key HR variables. It is evident that digital methods outperform traditional practices in most areas, especially in terms of cost-efficiency, time-to-hire, and data-driven decision-making.

III. THEORETICAL BACKGROUND

Why the HR Recruitment and Selection Process is Evolving Historically and the process of traditional recruitment and selection moving towards the modern recruitment and selection approach can be explained by an array of theories, interconnected and interlinked which help to illuminate the reason behind this transition. In essence, recruitment is much more than the mere filling of jobs, and instead is viewed as a strategic investment in the individuals that yield long term organizational benefits (Becker, 1964), or Human Capital Theory. In traditional parlance, the recruitment practices were intuitive personality-based practices involving the use of interpersonal contacts that served to sell the newspaper ad (Barber, 1998; Breaugh, 2008) with significant reliance on human judgment and social contacts.

The Technology Acceptance Model (TAM) (Davis, 1989) is becoming increasingly important in the digital transformation era. It explains the influence of the perceived usefulness and perceived ease of use on the acceptance of digital recruiting tools (applicant tracking systems (ATS), AI based screening algorithms, recruitment chatbots). Additionally, Resource-Based View (RBV) theory (Barney, 1991) is supportive of strategically using HR technology, as when cost-efficient, employer branding and data-driven decision-making mature as competitive advantages (Marler & Boudreau, 2017).

Modern hiring processes can also be considered from the viewpoint of the Diffusion of Innovations Theory (Rogers, 2003), where firms are segmented according to the level of innovativeness (innovation adopters) on the basis of advantages of the innovative behavior over the traditional one. Together, such theories strive to underlie systemic- and strategic-level processes of digital recruiting and selection transformation.

IV. GAP OF THE STUDY

Although many works have studied the value of AI, automation and analytics in recruiting, to the best of our knowledge, none of the previous research have addressed the gap by doing so across various HR performance indicators in comparison with traditional techniques. The majority of the extant literature appear to have a narrow focus on one or two aspects; like AI tools (Sonoda and Shibasaki, 2014), or candidate experience (White, 2018), leaving the holistic transformation of the recruitment process unexplored (Chamorro-Premuzic et al., 2016; Suen et al., 2019).

Very few also present a comparative visual model structures (other than just of the performance metric areas Radar or a stack bar chart comparing how well the org is performing in terms of cost-efficiency, time-to-hire, quality of hire, and employer branding. In addition, the risks of algorithmic bias and data privacy have been considered (Raghavan et al., 2020; Zliobaite, 2017), but are less frequently compared to the perceived benefits in a balanced way.

This paper fills these gaps by utilizing the CIMO hypothesis, systematic review, visual data presentation, and multi-variable analysis, it provides the most complete, comparative, and practically relevant approach to these 3IS achievements.

V. SCOPE OF THE STUDY

Limitations The limitations of the present study are that it is a focused literature-retrieval approach which critically explores both traditional and digital recruitment within the public and private sectors. To do so, it assesses these methods across six core HR performance outcomes cost-effectiveness, time-to-hire, candidate experience, quality of hire, employer brand, and data-driven decision-making using both academic and empirical sources published during 2010-2024.

We are talking here about tools like AI-based screening, ATS (applicant tracking systems), recruitment chat-bots, social recruiting and more. Geographically, although this review is global the implications hold more relevance for Indian and emerging market organizations where digital recruitment is growing exponentially, although it is yet to be universally adopted.

The research does not require the collection of original data rather it is a synthesis of secondary data that is processed through a PRISMA technique and CIMO logic to produce meaningful findings. The range therefore extends from concept analysis and theory building to the development of strategy for HR professionals, policy makers and organizational managers who seek to enhance their recruitment results in a context of digitization.

VI. OBJECTIVE OF THE STUDY

- To critically compare traditional and modern recruitment techniques in terms of efficiency, scalability, and reliability.
- To assess the impact of digital recruitment tools on time-to-hire, cost reduction, and quality of hire.
- To evaluate candidate experience and employer branding outcomes across conventional and technology-driven hiring practices.

VII. RESEARCH METHODOLOGY

This research is designed as a Systematic Literature Review (SLR) using the CIMO framework (Context, Intervention, Mechanism, Outcomes) and is in line with the Post -positivist approach to research. Our goal is to evaluate the displacement of the traditional recruiting methods by the digital alternatives through an analysis of traditional recruiting sits in comparison to the new platforms in 6 dimensions: cost efficiency, time-to-hire, candidate experience, quality-of-hire,

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employer brand, and data-based decision making. A theory-based qualitative method is employed, applying Human Capital Theory, Technology Acceptance Model (TAM) as well as the Diffusion of Innovations Theory to analyse secondary data. The review integrates peer-reviewed academic papers, trade reports and HR research published covering the period from 2010 and 2024 accessed from Scopus, Web of Science, ProQuest, and Google Scholar. Eligible studies were restricted to English language publications that investigated recruitment and selection involving traditional and tech-facilitated experiences. Following the PRISMA 2020 protocol, a total of 1450 studies were retrieved, 1210 were screened with 70 studies finally included after synthesis. The analysis followed the CIMO lens to provide a framework for understanding where psychometric research was trending by (recruitment) Context, digital (Intervention), process (Mechanism), and outcomes. Supplementary graphics as bar graphs were used to visually compare ranks along dimensions. The ethical aspects were taken up for discussion by reflecting critically on algorithmic bias and the privacy of data, and the scope of the study was restricted to published secondary data, as no primary interviews or surveys were conducted.

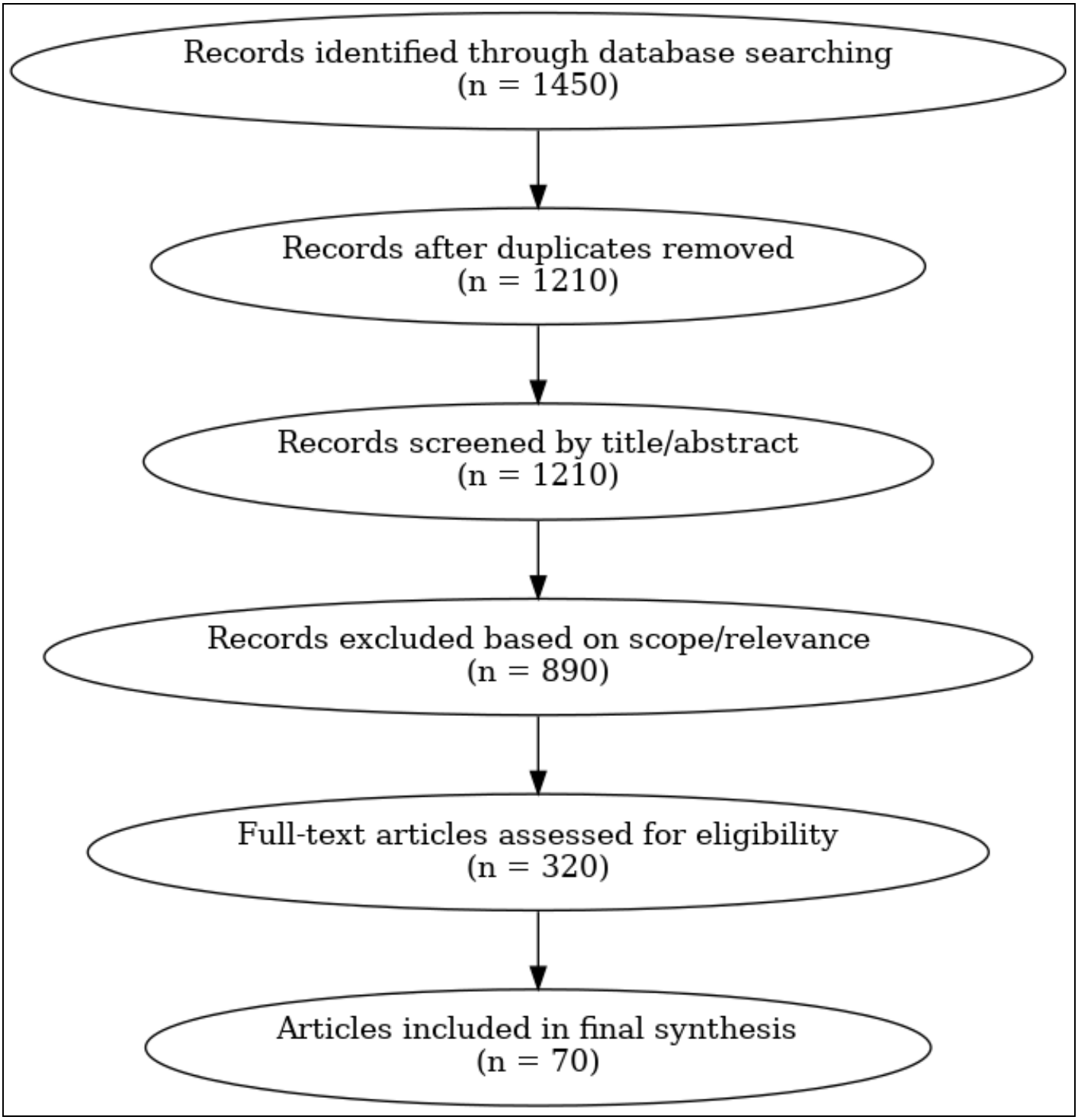

Fig 2 PRISMA 2020 Flow Diagram for Literature Selection

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VIII. CONCEPTUAL FRAMEWORK MODEL

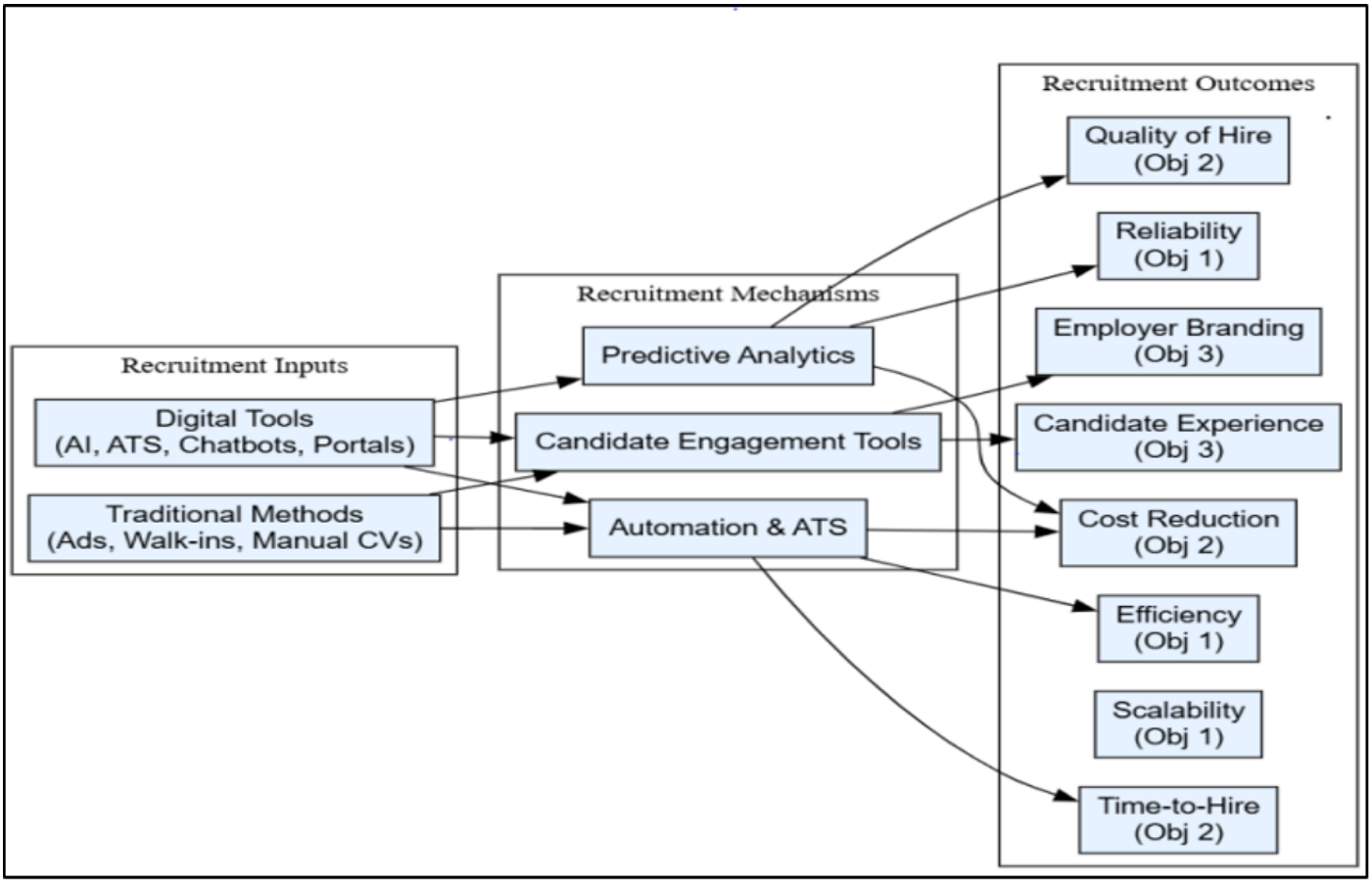

Fig 3 Conceptual Framework Model

IX. LIMITATIONS

Limitations and implications Although this study provides methodologically rigorous and theoretically informed comparison between the traditional and modern recruitment strategies, it is not without limitations. The study's reliance solely on secondhand data available in published academic and industry literature limits its ability to capture contemporary organizational behaviors or near-term hiring dynamics. Finally, the inclusion criteria restricted the search to English-language studies published from 2010 through 2024, which may have eliminated important lessons from older or non-English articles. Another limitation is the lack of empirical validation (not conducted through surveys, interviews or case studies) that would have enriched the results with lived experiences and regional/ contextual diversity. In addition, this study is susceptible to temporal validity since recruitment technologies are developing, and the digital tools that are included in the study may not be as relevant in future practice.

X. FUTURE RESEARCH DIRECTION

Future studies can extend this research methodology to primary data collection, such as interviews with HR managers, employee focus groups and candidate experience surveys, to confirm or add to the derived secondary data. Prospective research might be especially helpful to follow the efficacy and responsiveness of recruitment technologies within sectors and over time. Comparative studies that look at the adoption trend within industries-specifically contrasting the use of technology in the high-tech industries versus tradition manufacturing industry-would provide more granularity and depth into the current understanding. Cross-cultural research could then examine the influences of socio-cultural factors on the adoption and effectiveness of digital hiring tools across different areas. Furthermore, researchers might consider investigating how fair, transparent, and ethical the design of AI recruitment systems is using bias audits, algorithmic accountability frameworks, or ethical AI metrics.

XI. FINDINGS

According to the research, digital options are more cost-effective, able to help companies hire faster, and can be scaled more easily than traditional methods. These enhancements are largely thanks to routine tasks being automated, and AI being applied strategically in email to screen and communicate with candidates. Moreover, current hiring platforms greatly improve candidate experience and employer branding through timely feedback, personalized communication, and availability of both, web and mobile interfaces. The correlation of predictive analytics and psychometric assessment has also led to better quality of hire. But there is still value in reaching out to people in a way that respects their needs, wants, and time, and for the roles that require a lot more nuanced human judgement, cultural fit

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or personalized touch. In total, the application of formal review models like CIMO and PRISMA were effective in synthesising the differing sources, to inform the identification of performance differences across recruitment methods.

XII. SUGGESTIONS

Following the results, it is suggested that companies embrace the combination of relational values of traditional procedures with the velocity, volume and data integrity of digital instruments for their recruitment process. In that case, human-resource departments had better invest in getting their recruiters up the curve so they can understand and interpret the insights produced by AI, making sure that the actual job offers come out of a human head with some ethical wiring attached. Designing ethics into the software of recruiting and sourcing technologiesIn light of the above, the developers of recruiting tools must make ethical design a priority, with a focus on fairness, explanation, and respect for candidates' privacy. In fact, in a country like India, which is an emerging market and has the digital backbone still evolving in pieces, companies need to evaluate if they are technology-ready before adopting advanced tools. Policymakers and regulators could strive to establish normative benchmarks or compliance checklists to assess the fairness and accountability of AI-informed hiring systems, thereby encouraging equal opportunity in access to employment.

XIII. CONCLUSION

This paper provides a critical and systematic literature review of the changing paradigms of recruitment and selection, juxtaposing traditional deductive human-based approaches with inductive, data-driven technologically mediated ones. The study shows that online recruitment solutions greatly improve hiring effectiveness, candidate satisfaction, and decision-making quality. But the move toward algorithmic hiring is not without its hurdles in terms of ethics, transparency and equity. Although they are quick and objective, there is no substitute for human intuition and touch when dealing with a person especially in high-stakes and leadership situations, Cross says. The results indicate that the future of recruitment is a hybrid model of the two, where technology supports rather than replaces human judgment. This blended approach can enable organizations to strike the balance between the strategic alignment in hiring and the need for fairness, quality and equity in hiring.

REFRENCES

[1]. Angrave, D., Charlwood, A., Kirkpatrick, I., Lawrence, M., & Stuart, M. (2016). HR and analytics: Why HR is set to fail the big data challenge. *Human Resource Management Journal*, *26*(1), 1–11. https://doi.org/10.1111/1748-8583.12090

[2]. Backhaus, K., & Tikoo, S. (2004). Conceptualizing and researching employer branding. *Career Development International*, *9*(5), 501–517. https://doi.org/10.1108/13620430410550754

[3]. Barber, A. E. (1998). *Recruiting Employees: Individual and Organizational Perspectives*. Thousand Oaks, CA: Sage Publications.

[4]. Bassi, L. (2011). Raging debates in HR analytics. *People & Strategy*, *34*(2), 14–18.

[5]. Binns, R., Veale, M., Van Kleek, M., & Shadbolt, N. (2018). 'It's reducing a human being to a percentage': Perceptions of justice in algorithmic decisions. *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems*, 1–14. https://doi.org/10.1145/3173574.3173951

[6]. Black, J. S., & van Esch, P. (2020). AI-enabled recruitment: A new era for HRM. *Journal of Business Research*, *121*, 293–304. https://doi.org/10.1016/j.jbusres.2020.08.038

[7]. Breaugh, J. A. (2008). Employee recruitment: Current knowledge and important areas for future research. *Human Resource Management Review*, *18*(3), 103–118. https://doi.org/10.1016/j.hrmr.2008.07.003

[8]. Cable, D. M., & Turban, D. B. (2001). Establishing the dimensions, sources and value of job seekers' employer knowledge during recruitment. *Research in Personnel and Human Resources Management*, *20*, 115–163. https://doi.org/10.1016/S0742-7301(01)20002-4

[9]. Cappelli, P. (2001). Making the most of on-line recruiting. *Harvard Business Review*, 79(3), 139–146.

[10]. Chamorro-Premuzic, T., Winsborough, D., Sherman, R. A., & Hogan, R. (2016). New talent signals: Shiny new objects or a brave new world? *Industrial and Organizational Psychology*, *9*(3), 621–640. https://doi.org/10.1017/iop.2016.6

[11]. Collins, C. J., & Stevens, C. K. (2002). The relationship between early recruitment-related activities and the application decisions of new labor-market entrants. *Personnel Psychology*, *55*(3), 685–717. https://doi.org/10.1111/j.1744-6570.2002.tb00123.x

[12]. Davis, F. D. (1989). Perceived usefulness, perceived ease of use, and user acceptance of information technology. *MIS Quarterly*, 13(3), 319–340.

[13]. Dineen, B. R., & Allen, D. G. (2016). Third party employment branding: Human capital inflows and outflows following "best places to work" certifications. *Academy of Management Journal*, *59*(1), 90–112. https://doi.org/10.5465/amj.2013.0937

[14]. Holm, A. B. (2012). E-recruitment: Towards a Ubiquitous Recruitment Process and Candidate Relationship Management. *Zeitschrift für Personalforschung*, *26*(3), 241–259. https://doi.org/10.1177/239700221202600303

[15]. Jobin, A., Ienca, M., & Vayena, E. (2019). The global landscape of AI ethics guidelines. *Nature Machine Intelligence*, *1*(9), 389–399. https://doi.org/10.1038/s42256-019-0088-2

[16]. Kaplan, A. M., & Haenlein, M. (2010). Users of the world, unite! The challenges and opportunities of social media. *Business Horizons*, *53*(1), 59–68. https://doi.org/10.1016/j.bushor.2009.09.003

ISSN No:-2456-2165 https://doi.org/10.38124/ijisrt/25may671

[17]. Kashi, K., & Zheng, C. (2013). Extending technology acceptance model to social media adoption. *International Journal of Managing Information Technology, 5*(1), 1–15. https://doi.org/10.5121/ijmit.2013.5101

[18]. Koch, T., Gerber, C., & De Klerk, J. J. (2018). The impact of social media on recruitment: Are you LinkedIn? *SA Journal of Human Resource Management, 16*(1), 1–14. https://doi.org/10.4102/sajhrm.v16i0.861

[19]. Kumari, N. (2012). A study of the recruitment and selection process: SMC Global. *Industrial Engineering Letters, 2*(1), 34–43.

[20]. Lee, I. (2005). The evolution of e-recruiting: A content analysis of Fortune 100 career web sites. *Journal of Electronic Commerce in Organizations*, 3(3), 57–68.

[21]. Levenson, A. (2018). *Strategic analytics: Advancing strategy execution and organizational effectiveness*. Oakland, CA: Berrett-Koehler Publishers.

[22]. LinkedIn. (2023). *Global Talent Trends Report 2023*. https://business.linkedin.com/talent-solutions/resources/talent-strategy/global-talent-trends-2023

[23]. Marler, J. H., & Boudreau, J. W. (2017). An evidence-based review of HR Analytics. *The International Journal of Human Resource Management, 28*(1), 3–26. https://doi.org/10.1080/09585192.2016.1244699

[24]. Newell, S. (2005). Recruitment and selection. In B. Towers (Ed.), *The Handbook of Human Resource Management* (pp. 115–141). Oxford: Blackwell.

[25]. Nikolaou, I. (2014). Social networking web sites in job search and employee recruitment. *International Journal of Selection and Assessment*, 22(2), 179–189.

[26]. Raghavan, M., Barocas, S., Kleinberg, J., & Levy, K. (2020). Mitigating bias in algorithmic hiring: Evaluating claims and practices. *Proceedings of the 2020 Conference on Fairness, Accountability, and Transparency*, 469–481. https://doi.org/10.1145/3351095.3372828

[27]. Rogers, E. M. (2003). *Diffusion of Innovations* (5th ed.). Free Press.

[28]. Singh, P., & Finn, D. (2003). The effects of information technology on recruitment. *Journal of Labor Research, 24*(3), 395–408. https://doi.org/10.1007/s12122-003-1003-1

[29]. Sivertzen, A. M., Nilsen, E. R., & Olafsen, A. H. (2013). Employer branding: Employer attractiveness and the use of social media. *Journal of Product & Brand Management, 22*(7), 473–483. https://doi.org/10.1108/JPBM-09-2013-0393

[30]. Suen, H. Y., Chen, M. Y. C., & Lu, S. H. (2019). Does the use of synchrony and asynchrony in AI-based interviews affect applicant performance? *Computers in Human Behavior, 98*, 93–101. https://doi.org/10.1016/j.chb.2019.04.001

[31]. Upadhyay, A. K., & Khandelwal, K. (2018). Artificial Intelligence in Human Resource Management: A Future Perspective. *International Journal of Advanced Research in Computer Science, 9*(6), 223–227. https://doi.org/10.26483/ijarcs.v9i6.6461

[32]. Van Iddekinge, C. H., Raymark, P. H., Roth, P. L., & Payne, S. C. (2012). The criterion-related validity of integrity tests: An updated meta-analysis. *Journal of Applied Psychology, 97*(3), 499–530. https://doi.org/10.1037/a0021196

[33]. Zliobaite, I. (2017). Measuring discrimination in algorithmic decision making. *Data Mining and Knowledge Discovery, 31*(4), 1060–1089. https://doi.org/10.1007/s10618-017-0517-6