A Review: Impact of AI-Driven Human Resource Practices on Employee Engagement, Trust, and Ethical Perceptions in Indian Organizations

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Abstract

The rapid growth of artificial intelligence (AI) is reshaping human resource management (HRM), leading to increased interest in its applications, benefits, and challenges. This literature review compiles and synthesizes contemporary research pertaining to the utilization of artificial intelligence within the domain of human resource management, focusing on its effects on efficiency, talent acquisition, workforce planning, employee engagement, and ethical governance. It highlights that AI can enhance operational efficiency by automating routine tasks and improving decision-making through advanced analytics. In recruitment and workforce planning, AI has shown promise in improving candidate-job fit, speeding up hiring processes, and aiding retention strategies. Additionally, personalized AI applications in learning and Career advancement opportunities can enhance employee involvement and well-being. However, the review also points out significant issues, such as algorithmic bias, data privacy concerns, transparency, job displacement, and employee trust. Employees have mixed feelings about AI, appreciating its efficiency but wary of surveillance and reduced human interaction. The adoption of AI varies across sectors and organizations, influenced by factors like culture, technology readiness,

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regulations, and available skills. Traditional industries and smaller companies face unique challenges compared to larger, more technologically advanced firms. Ultimately, the review emphasizes that the success of AI in HRM relies on ethical governance, transparency, and a human-centred approach. It concludes by identifying research gaps, including the need for long-term studies, validated ethical frameworks, and interdisciplinary methods to promote responsible AI practices in HRM.

Keywords: Artificial Intelligence, Human Resource Management, HR Analytics, Employee Engagement, Ethical AI, Workforce Planning, Digital Transformation

1. Introduction & background

The digital transformation of organizations has accelerated significantly over the past decade, with artificial intelligence (AI) playing a central role in reshaping business processes and managerial decision-making. Among organizational functions, human resource management (HRM) has experienced particularly rapid change due to the adoption of AI-driven technologies in recruitment, selection, performance appraisal, workforce planning, learning and development, and employee engagement (Bhuiyan, 2025; Nawaz, 2024). AI-based systems are increasingly used to automate routine tasks, analyze large volumes of employee data, and generate predictive insights that support strategic HR decisions.

The rapid advancement of artificial intelligence (AI) has significantly transformed organizational processes, decision-making, and workforce management. Among organizational functions, human resource management (HRM) has emerged as one of the most profoundly affected domains due to the integration of AI-driven technologies in recruitment, selection, performance appraisal, workforce planning, learning and development, and employee engagement. Existing literature suggests that AI-based HR systems enable automation of routine

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tasks, advanced data analytics, and predictive decision-making, thereby enhancing efficiency and

strategic capability in HR operations   (Chaurasiya, 2023; Nawaz, 2024).

The increasing the integration of artificial intelligence into human resource management is largely motivated by its potential to enhance operational effectiveness, reduce administrative burden, enhance consistency in decision-making, and personalize employee experiences (Budhwar, 2023; Chauhan, 2025). Organizations across sectors—including IT, pharmaceuticals, public institutions, startups, and multinational corporations—are increasingly leveraging AI to gain a competitive advantage in talent management. However, alongside these benefits, scholars have raised concerns regarding ethical risks, algorithmic bias, data privacy, job displacement, and employee trust, highlighting the need for responsible and human-centred AI adoption (Behera, 2025; Du, 2024a).

The appeal of AI in HRM lies in its potential to enhance efficiency, reduce administrative burden, minimize human bias, and enable personalized employee experiences at scale (Shaikh, 2025; Ganatra, 2023). Organizations operating in competitive and knowledge-intensive environments view AI as a strategic enabler that allows HR functions to transition from transactional roles to strategic partners in organizational development. Consequently, AI adoption in HRM has expanded across sectors such as information technology, banking, manufacturing, and services, particularly in emerging economies like India (Moon, 2025; Zahedi, 2025).

Despite these advantages, the growing reliance on AI in HRM has raised significant concerns related to ethics, transparency, data privacy, algorithmic bias, and job displacement. Scholars argue that AI-driven HR, if algorithms are developed using biased data, there is a risk that systems could unintentionally perpetuate existing inequalities or lack adequate governance mechanisms (Mathur, 2024; Yadav, 2025). Moreover, employee perceptions of AI remain mixed,

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with concerns about surveillance, depersonalization, and loss of human judgment influencing acceptance and trust (Ritu, 2024; Kurup, 2025)

Given the rapid expansion and fragmented nature of AI-HRM research, there is a need for a comprehensive synthesis to consolidate existing knowledge, identify patterns, and highlight unresolved issues. This review addresses this need by systematically integrating findings from recent literature to examine thematic trends, methodological approaches, key insights, and future research directions. The paper contributes to the HRM literature by offering an integrative, human-centred perspective on AI adoption in HR practices.

Focus Area	Context / Sector	Key Findings	Identified Concerns / Gaps	Author(s) & Year
AI-driven HRM functions	General organizational context	AI reshapes recruitment, selection, performance appraisal, workforce planning, L&D, and engagement through automation and predictive analytics	Limited discussion on long-term ethical and employee-related impacts	(Bhuiyan, 2025; Nawaz, 2024)
AI-enabled HR operations	Cross-sector organizations	AI enhances HR efficiency, strategic decision-making, and data-driven workforce management	Need for empirical validation across diverse industries	(Chaurasiya, 2023; Nawaz, 2024)
Operational	IT, pharma, public	AI reduces	Ethical risks and	(Budhwar,

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effectiveness of AI in HRM	sector, startups, MNCs	administrative burden, improves decision consistency, and personalizes employee experiences	human-centric governance need stronger focus	2023; Chauhan, 2025)
Ethical implications of AI-HRM	Global organizational settings	Highlights risks related to algorithmic bias, data privacy, job displacement, and employee trust	Lack of robust ethical frameworks and regulatory clarity	(Behera, 2025; Du, 2024a)
Strategic role of AI in HRM	Competitive and knowledge-intensive firms	AI enables HR transition from transactional to strategic partner roles	Overreliance on technology may reduce human judgment	(Shaikh, 2025; Ganatra, 2023)
Sectoral and regional adoption	IT, banking, manufacturing, services; emerging economies (India)	Rapid AI adoption in HRM to gain competitive advantage in talent management	Uneven adoption and contextual limitations in emerging markets	(Moon, 2025; Zahedi, 2025)
Algorithmic bias and governance	AI-driven HR systems	AI systems may perpetuate inequalities if trained on biased data	Need for transparency, accountability, and governance	(Mathur, 2024; Yadav, 2025)

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		mechanisms		
Employee perceptions and trust	Organizational workforce	Employee acceptance of AI is mixed due to concerns over surveillance and depersonalization	Limited longitudinal studies on trust and acceptance	(Ritu, 2024; Kurup, 2025)
Integrative synthesis of AI-HRM research	Multi-sector, human-centred perspective	Consolidates themes, methods, insights, and future research directions in AI-HRM	Calls for ethical, transparent, and human-centred AI adoption	Present Review

2. Thematic Classification of Studies

A thematic analysis of the reviewed literature reveals six dominant and interrelated areas of focus.

2.1 AI-Enabled HR Efficiency and Automation

One of the primaries extensively examined themes the function of AI in enhancing HR efficiency through automation. Numerous studies report that AI systems streamline administrative and repetitive HR tasks, including resume screening, attendance monitoring, payroll processing, and performance documentation (Chaudhari; Ravikumar). Automation reduces processing time, minimizes human error, and allows HR professionals to shift their focus towards activities that are strategic and add value.

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A prevalent theme in the literature pertains to the function of AI in improving HR efficiency through automation. Several studies report that AI applications streamline administrative and repetitive activities like résumé evaluation, attendance tracking, and payroll management, and performance documentation (Chaurasiya, 2023; Ravikumar). Automation reduces processing time, minimizes human error, and enables HR professionals to concentrate on strategic initiatives and activities that add value.

Empirical evidence suggests that organizations adopting AI-enabled HR automation experience improved operational efficiency and faster decision cycles, particularly in large organizations and technology-intensive sectors (Muley, 2025; Venkteshwar Associate Professor, 2025). However, some scholars caution that excessive automation may reduce interpersonal interaction and weaken the relational aspects of HRM if not carefully managed (Nsdc, 2025). Much evidence also indicates that organizations implementing AI-enabled HR systems experience faster decision-making and improved operational efficiency (Chauhan, 2025; Panwar, 2023). However, scholars caution that excessive automation may weaken interpersonal interactions and reduce the relational aspects of HRM if human oversight is not maintained (Gupta; Mwita, 2025).

2.2 Talent Acquisition, Workforce Planning, and HR Analytics

AI-driven talent acquisition and workforce analytics constitute another major research stream. Studies consistently highlight the application of machine learning techniques, predictive analytics and data mining techniques to enhance candidate-job fit, forecast workforce needs, and optimize retention strategies (Chinnathambi A, 2025; Venugopal, 2024). AI-based recruitment tools are credited with reducing time-to-hire and improving screening accuracy.

Nevertheless, concerns regarding algorithmic bias and fairness remain prominent. Research indicates that recruitment algorithms may replicate existing biases if training data reflect

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historical inequalities (Alshahrani, 2025; Rajkumar, 2025). Consequently, scholars emphasize the the necessity for openness, auditing, and human oversight in AI-powered recruitment processes.

Despite these advantages, concerns regarding algorithmic bias and fairness remain significant. Research suggests that recruitment algorithms may replicate historical biases embedded in training data, leading to discriminatory outcomes (Behera, 2025; Du, 2024a). Consequently, scholars emphasize the need for transparency, auditing, and human oversight in AI-driven recruitment and analytics processes.

2.3 Employee Engagement, Well-being, and Experience

A growing body of research focuses on the connection between HR practices driven by artificial intelligence and staff involvement and wellness. Studies suggest that AI-enabled personalization of training, evaluation, and professional growth enhances engagement and job satisfaction (Shaikh, 2025; Zahedi, 2025). Evidence also indicates thet employee engagement frequently serves as a mediator for the relationship between AI adoption and well-being outcomes (Gayathiri, 2025).

However, employee perceptions of AI remain ambivalent. While some employees appreciate efficiency and personalization, others express concerns about job insecurity, continuous monitoring, and reduced human interaction (Ritu, 2024; Kurup, 2025). These mixed perceptions highlight the significance of effective communication, openness, and involvement in artificial intelligence implementation.

However, employee responses to AI remain mixed. While some employees perceive AI as enhancing efficiency and support, others express concerns related to job insecurity, continuous monitoring, and loss of human interaction (Farooq, 2025a; Ritu, 2024). Studies on human–AI interaction also reveal unintended psychological consequences, such as increased stress and anxiety, particularly in entrepreneurial and high-pressure work environments (Zheng, 2025).

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2.4 Ethical, Trust, and Governance Concerns

Ethical considerations are among the most significant aspects and recurring themes in AI-HRM literature. Scholars identify key ethical challenges. (Mathur, 2024; Yadav, 2025). Trust is frequently conceptualized as a mediating variable shaping employee willingness to adopt AI technologies (Prasad, 2024). Ethical considerations also represent one of the most notable and recurring themes in AI-HRM research. Scholars consistently highlight issues about data confidentiality, informed consent, algorithmic transparency, accountability, and bias (Bhardwaj; Du, 2024a). Trust emerges as a critical factor influencing employee acceptance and effective use of AI systems in HR decision-making (Li, 2024; Rajpoot, 2025). Several conceptual studies argue that ethical governance frameworks are essential for responsible AI adoption in HRM (2025; Patterson E. &.) studies argue that the absence of robust ethical governance frameworks poses significant risks to organizational legitimacy and employee trust (Bujold, 2024; Patterson E. &.). These studies emphasize the need for responsible AI frameworks that balance organizational efficiency with employee rights and ethical accountability.

2.5 Organizational Culture, HR Roles, and Change Management

AI adoption in HRM often necessitates significant organizational and cultural change. Studies emphasize the changing responsibilities of HR professionals., who are increasingly required to develop analytical, technological, and ethical competencies to manage AI-enabled systems effectively (Verma D. S.; Verma J. H., 2024). Resistance to change is frequently reported, particularly in organizations lacking digital readiness or change management strategies (Goswami, 2023).

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Another significant theme concerns the influence of artificial intelligence on workplace culture and HR roles. AI adoption often necessitates cultural change, reskilling, and continuous learning initiatives (Dima, 2024; Murire). HR professionals are progressively anticipated to develop analytical, technological, and ethical competencies to manage AI-enabled systems effectively (Renkema, 2025).

Resistance to change is frequently reported, particularly in organizations lacking digital readiness or change management strategies (H.S, 2025). Studies emphasizethe significance of backing from leadership, education, and employee involvement in facilitating successful AI integration.

Research emphasizes that leadership support, continuous training, and employee involvement are critical for successful AI integration (Farooq, 2025a; Pravallika, 2025). Organizational culture is thus identified as a key determinant influencing the success or failure of AI-driven HR transformation.

2.6 Sectoral and Context-Specific Perspectives

A substantial portion of the literature adopts sectoral perspectives, focusing on IT, banking, chemical industries, and Indian organizations (Moon, 2025; Zahedi, 2025). These studies reveal significant variation in AI adoption due to differences in regulatory environments, cultural norms, and technological maturity (Rao; Wibowo, 2024).

A significant proportion of AI-HRM research adopts sectoral and regional perspectives. Studies focusing on IT firms, pharmaceutical companies, public institutions, startups, and multinational corporations reveal considerable variation in AI adoption due to differences in regulatory frameworks, technological maturity, and cultural norms (Goswami, 2023; H.S, 2025; Mwita, 2025).

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Context-specific studies, particularly those conducted in India and emerging economies, highlight unique challenges such as infrastructure constraints, skill gaps, and ethical governance issues (Behera, 2025; Padma Latha, 2025). The results highlight the significance of customizing AI-HRM approaches to fit the specific needs of the organization. and cultural contexts rather than adopting uniform solutions.

3.   Methodological trends

Methodologically, AI-HRM research exhibits considerable diversity but also notable limitations. Conceptual and theoretical papers dominate discussions of ethics, governance, and strategic implications (Jaiswal, 2025; Nsdc, 2025). Systematic and narrative reviews are increasingly common, reflecting the emerging nature of the field (Ekuma, 2024; Dr. M. Hema Sundari, 2025). Empirical studies primarily employ cross-sectional survey designs to examine employee or HR manager perceptions (Kurup, 2025; Yadav, 2025). Qualitative approaches, including interviews and case studies, provide contextual depth but are often limited in generalizability (Pravallika, 2025). Mixed-method and longitudinal studies remain scarce, restricting insights into long-term and causal effects of AI adoption.

4.   Key findings & comparative analysis

Across studies, there is broad agreement that AI enhances HR efficiency, improves decision quality, and supports strategic workforce management (Bhuiyan, 2025; Venkteshwar Associate Professor, 2025). Recruitment, analytics, and workforce planning have emerged as areas with the most consistent positive outcomes, particularly in digitally mature organisations (Venugopal, 2024; Muley, 2025).

In contrast, findings related to employee well-being and engagement are more nuanced.

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While personalization and automation improve engagement, concerns related to surveillance, job displacement, and loss of human judgment persist (Ritu, 2024; Nsdc, 2025). Ethical studies consistently emphasise that the effectiveness of AI depends ontrust, transparency, and robust governance frameworks (Prasad, 2024; Mathur, 2024). Other findings related to employee engagement and well-being are more nuanced. While AI-driven personalization supports engagement, concerns related to surveillance, job displacement, and psychological stress persist (Farooq, 2025a; Zheng, 2025). Ethical studies consistently emphasize that trust, transparency, and governance are prerequisites for sustainable AI-HRM implementation (Bujold, 2024; Li, 2024).

Sectoral comparisons suggest elevated acceptance of AI in IT and knowledge-intensive industries, whereas traditional sectors report slower adoption and greater resistance (Moon, 2025; Rao).

5.   Research gaps & future directions

Despite growing scholarship, several gaps remain evident. First, there is an absence of longitudinal and experimental Research investigating the long-term effects psychological, cultural, and career-related effects of AI in HRM (Shaikh, 2025; Murire). Second, small and medium-sized enterprises remain underrepresented, despite facing unique adoption constraints (Wibowo, 2024).

Despite growing scholarship, several gaps remain evident. First, there is an absence of longitudinal and experimental there is an absence of psychological, cultural, and career-related impacts of AI adoption in HRM. Second, small and medium-sized enterprises and non-corporate sectors remain underrepresented. Third, while ethical concerns are widely acknowledged, empirically validated ethical governance frameworks are scarce (Yadav, 2025; Patterson). Finally, future research should integrate interdisciplinary perspectives combining HRM, Data science and ethics are closely intertwined fields that require careful consideration organizational psychology towards develop holistic and human-centred AI-HRM models.

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6.   Conclusion

This literature review explores the significant the The influence of artificial intelligence (AI) on human resources management (HRM), highlighting its function in improving efficiency, talent acquisition, workforce analytics, and employee experience. Studies indicate that AI systems improve operational effectiveness by automating routine tasks, facilitating information-based decisions, and aiding strategic workforce planning, particularly in digitally advanced organizations and knowledge-driven industries. However, the review also points out the ethical, social, and organizational challenges that accompany AI adoption in HRM. Issues like algorithmic bias, data privacy, and transparency are significant concerns, and job displacement and employee trust are prevalent. While AI can enhance employee engagement through personalization and analytics, it may also raise fears of surveillance and depersonalization if not implemented thoughtfully. The findings stress the importance of maintaining human judgment and relational dynamics in AI-driven HR practices. Additionally, the review notes that the implementation of AI differs among various industries. and regions, influenced by factors like organizational culture, regulations, technological readiness, and available skills. Traditional industries and smaller businesses face unique challenges. The application of AI varies across different sectors, and tailored and inclusive AI strategies are required in HRM. Ultimately, the literature advocates for a responsible integration of AI in HRM, emphasizing ethical governance, transparency, trust, and effective change management. AI should serve as an instrument that enhances human decision-making rather than replaces it. Future studies and practice should focus on creating sustainable, ethical, and human-centered AI frameworks that align technology advancements with organizational values and staff wellness

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Conflict of Interest Statement

It is hereby declared by the author that no conflict of interest exists in relation to the research, authorship, or publication of this article.

Ethical Approval Statement

This study is based exclusively on a review and synthesis of previously published literature. It does not involve human participants, animals, or primary data collection. Therefore, ethical approval

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from an institutional review board was not required.

Data Availability Statement

This study did not generate or analyze any new data. The findings of this review are supported exclusively by data obtained from previously published articles, which are cited in the reference list.

Author Contribution Statement

The author solely contributed to the conceptualization, literature synthesis, analysis, and writing of this manuscript.

7.   References

1)   . A., Shaikh, S., Desai, P. S., & YM, G. (2025). Artificial intelligence in human resource management and employee well-being. *International Journal of Applied Research*, *11*(10), 219–224. https://doi.org/10.22271/allresearch.2025.v11.i10c.12943

2)   *A Research Proposal on the role of Artificial Intelligence in HR Operations: A Systematic Literature Review*. (n.d.). https://orcid.org/0009-0003-0854-7625

3)   *AI-POWERED HUMAN RESOURCE MANAGEMENT: INNOVATION, ETHICS, AND ORGANIZATIONAL SUSTAINABILITY*. (2025). www.jetir.org

4)   Akter, S. (2025). *Journal of Humanities and Social Sciences Studies AI's Impact on Talent Acquisition Strategies and Employee Engagement Methodologies: Ethical Considerations for Trustworthy AI-HRM Integration*. https://doi.org/10.32996/jhsss

5)   Alshahrani, S. T., Choukir, J., Albelali, S., & AlShalhoob, A. A. (2025). Perceptions of the Impact of AI on Human Resource Management Practices Among Human Resource Managers Working in the Chemical Industry in Saudi Arabia. *Sustainability (Switzerland)*, *17*(13). https://doi.org/10.3390/su17135815

*Ms. Shradha Rajesh Humane, Assistant Professor, Asian College of Science and Commerce, Pune

6) Altassan, M. A. (2025). AI-powered HRM and ethical leadership: Balancing efficiency and human-centricity. *International Journal of Innovative Research and Scientific Studies*, *8*(4), 2219–2228. https://doi.org/10.53894/ijirss.v8i4.8358

7) *Artificial Intelligence in Science*. (2023). OECD Publishing. https://doi.org/10.1787/a8d820bd-en

8) Basnet, S. (2024). The Impact of AI-Driven Predictive Analytics on Employee Retention Strategies. *International Journal of Research and Review*, *11*(9), 50–65. https://doi.org/10.52403/ijrr.20240906

9) Behera, B. B. (2025). ARTIFICIAL INTELLIGENCE (AI) IN HUMAN RESOURCE MANAGEMENT: OPPORTUNITIES, CHALLENGES, AND ETHICAL IMPLICATIONS IN THE INDIAN CONTEXT. *JOURNAL OF MANAGEMENT*, *12*(1), 105–114. https://doi.org/10.34218/jom_12_01_006

10) Bhardwaj, P., & Singh, N. (n.d.). Ethical Considerations in HR Decision Making: Balancing Organizational Interests with Employee Rights. In *IJFMR240218842* (Vol. 6, Issue 2). www.ijfmr.com

11) Bharthi, M. N. (n.d.). *THE ROLE OF ANALYTICS AND ARTIFICIAL INTELLIGENCE AT THE WORKPLACE IN ENHANCING EMPLOYEE ENGAGEMENT MEDIATED BY EMPLOYEE TRUST AND AGE*. *32*(S9), 2025. https://www.tpmap.org/

12) Bhuiyan, Md. M. H., Dey, K. N., Saha, P., Sarker, P. K., Md. Halimuzzaman, & Biswas, Md. T. (2025). EXPLORING THE ROLE OF ARTIFICIAL INTELLIGENCE IN TRANSFORMING HR PRACTICES. *International Journal of Business Management and Economic Review*, *08*(01), 98–110. https://doi.org/10.35409/ijbmer.2025.3646

13) Budhwar, P., Chowdhury, S., Wood, G., Aguinis, H., Bamber, G. J., Beltran, J. R., Boselie, P., Lee Cooke, F., Decker, S., DeNisi, A., Dey, P. K., Guest, D., Knoblich, A. J., Malik, A., Paauwe, J., Papagiannidis, S., Patel, C., Pereira, V., Ren, S., … Varma, A. (2023). Human resource management in the age of generative artificial intelligence: Perspectives and research directions on ChatGPT. In *Human Resource Management Journal* (Vol. 33, Issue 3, pp. 606–659). John Wiley and Sons Inc. https://doi.org/10.1111/1748-8583.12524

14) Budhwar, P., Malik, A., de Silva, M. T. T., & Thevisuthan, P. (2022). Artificial intelligence–challenges and opportunities for international HRM: a review and research agenda. In *International Journal of Human Resource Management* (Vol. 33, Issue 6, pp. 1065–1097). Routledge. https://doi.org/10.1080/09585192.2022.2035161

15) Bujold, A., Roberge-Maltais, I., Parent-Rocheleau, X., Boasen, J., Sénécal, S., & Léger, P.-M. (2024). Responsible artificial intelligence in human resources management: a review of the empirical literature. *AI and Ethics*, *4*(4), 1185–1200. https://doi.org/10.1007/s43681-023-00325-1

*Ms. Shradha Rajesh Humane, Assistant Professor, Asian College of Science and Commerce, Pune

16)   Chaudhari, D., Patil, D., & Sharma, P. (n.d.). *International Journal of Management and Commerce www.managementjournal.in Online The impact of artificial intelligence on human resource management.* www.managementjournal.in

17)   Chauhan, P. Ms. P. (2025). A Study On The Impact Of Artificial Inttegence In Human Rescource Management. *International Journal of Research Publication and Reviews*, *6*(4), 1349–1353. https://doi.org/10.55248/gengpi.6.0425.1355

18)   Chaurasiya, M. A., Tiwari, V. K., & Jadhav, S. (2023). *Impact Of Artificial Intelligence On HR Practices: An Empirical Analysis* (Vol. 11, Issue 7). www.ijcrt.org

19)   Chinnathambi A, & Maruthavijayan, D. S. (2025). *Artificial Intelligence and Human Resource Analytics: An Integrated Approach. 13*, 5.

20)   Deepika Rani, K., & Arnav, A. (n.d.). *BREAKING BARRIERS: THE IMPACT OF CHALLENGES ON AI ADOPTION IN HRM WITHIN BENGALURU'S IT SECTOR. 32*(S9), 2025. https://www.tpmap.org/

21)   Dhayalan, V., & Jeffrin, A. H. (2024). The Impact of Artificial Intelligence on Enhancing HR Efficiency and Addressing Ethical Concerns. *International Journal of Innovative Research in Science, Engineering and Technology*, *13*(12). https://doi.org/10.15680/IJIRSET.2024.1312169

22)   Dima, J., Gilbert, M. H., Dextras-Gauthier, J., & Giraud, L. (2024). The effects of artificial intelligence on human resource activities and the roles of the human resource triad: opportunities and challenges. In *Frontiers in Psychology* (Vol. 15). Frontiers Media SA. https://doi.org/10.3389/fpsyg.2024.1360401

23)   Dipak, M., Bhivgade, V., & Khaire, R. (2024). Exploring AI's Impact on HRM Practices: A Narrative Review of Literature and Emerging Trends. In *Journal of Information Systems Engineering and Management* (Vol. 2025, Issue 24s). https://www.jisem-journal.com/

24)   Dr. M. Hema Sundari, Matheshkanna L, Mohammed Riswan R, Muthuraj V, Mohana vasan T G, & Moureiya vithu G S. (2025). Artificial Intelligence in Human Resource Management: A Systematic Literature Review and Human-Centered Framework. *International Research Journal on Advanced Engineering and Management (IRJAEM)*, *3*(10), 3010–3022. https://doi.org/10.47392/irjaem.2025.0478

25)   Du, J. (2024a). Ethical and Legal Challenges of AI in Human Resource Management. In *Journal of Computing and Electronic Information Management* (Vol. 13, Issue 2).

26)   Du, J. (2024b). Ethical and Legal Challenges of AI in Human Resource Management. In *Journal of Computing and Electronic Information Management* (Vol. 13, Issue 2).

*Ms. Shradha Rajesh Humane, Assistant Professor, Asian College of Science and Commerce, Pune

27) Dubey, N. (2023). *A Review of Literature on use of HR Analytics in Decision-Making* (Vol. 8). www.ijrti.org

28) Dutta, M. (n.d.). *Original Researcher Article Advances in Consumer Research 1277*. https://acr-journal.com/

29) Ekuma, K. (2024). Artificial Intelligence and Automation in Human Resource Development: A Systematic Review. In *Human Resource Development Review* (Vol. 23, Issue 2, pp. 199–229). SAGE Publications Ltd. https://doi.org/10.1177/15344843231224009

30) Farooq, B., Sabale, A., Agarwal, R., Shedthi, A., Malik, V., & Bhosale, Y. H. (2025a). *Advances in Consumer Research Navigating the Future of Work: Exploring the Role of Artificial Intelligence in Enhancing Employee Experience and Organizational Culture*. https://acr-journal.com/

31) Farooq, B., Sabale, A., Agarwal, R., Shedthi, A., Malik, V., & Bhosale, Y. H. (2025b). *Advances in Consumer Research Navigating the Future of Work: Exploring the Role of Artificial Intelligence in Enhancing Employee Experience and Organizational Culture*. https://acr-journal.com/

32) Fauziah, L., Windriya, A., Imani Kurniawati, N., & Vokasi, S. (2024). The Role of AI-Driven HR Systems in Enhancing Employee Performance and Data Security in Modern Organizations. In *Journal of Information Systems Engineering and Management* (Vol. 2025, Issue 2). https://www.jisem-journal.com/

33) Ganatra, N. J., & Pandya, J. D. (2023). The transformative impact of artificial intelligence on hr practices and employee experience: A review. *Journal of Management Research and Analysis*, *10*(2), 106–111. https://doi.org/10.18231/j.jmra.2023.018

34) Gandía, J. A. G., Ancillo, A. de L., & del Val Núñez, M. T. (2025). Knowledge and artificial intelligence on employee behaviour advancing safe and respectful workplace. *Journal of Innovation and Knowledge*, *10*(4). https://doi.org/10.1016/j.jik.2025.100750

35) Gayathiri G. (2024a). Exploring the Role of Artificial Intelligence-Powered HR Practices in Shaping Employee Engagement and Retention Strategies. In *Journal of Information Systems Engineering and Management* (Vol. 2025, Issue 3). https://www.jisem-journal.com/

36) Gayathiri, G., & Prabu, G. (2025). Artificial intelligence-driven human resource practices and employee well-being: Examining the mediating effect of employee engagement. *Problems and Perspectives in Management*, *23*(4), 247–263. https://doi.org/10.21511/ppm.23(4).2025.18

37) Goswami, M., Jain, S., Alam, T., Deifalla, A. F., Ragab, A. E., & Khargotra, R. (2023). Exploring the antecedents of AI adoption for effective HRM practices in the Indian pharmaceutical sector. *Frontiers in Pharmacology*, *14*. https://doi.org/10.3389/fphar.2023.1215706

*Ms. Shradha Rajesh Humane, Assistant Professor, Asian College of Science and Commerce, Pune

38)   Gupta, R. (n.d.). *Impact of Artificial Intelligence (AI) on Human Resource Management (HRM)*. www.ijfmr.com

39)   Hashmi, S., & Ghai, R. K. (2025). *Applying Artificial Intelligence in Sustainable HR Practices: A Pathway to Organizational Endurance*. https://doi.org/10.20944/preprints202507.1204.v1

40)   H.S, Dr. K. K. (2025). Artificial Intelligence In Human Resource Management: A Case Study On Adoption And Challenges In Reliance Industry. *International Journal of Research Publication and Reviews*, *6*(8), 5792–5800. https://doi.org/10.55248/gengpi.6.0825.31124

41)   Jagadeesan, L., Scholar, R., & Professor, A. (2025). *From Recruitment to Retention: The Pivotal Role of Artificial Intelligence in Enhancing HR Management*. www.ijnrd.org

42)   Jain, I., & Gupta, N. (2025a). *Investigating Employee Perception of AI-driven HR Practices: A Study on Trust and Acceptance*.

43)   Jaiswal, R., Kumar Dixit, A., Saxena, T., Yadav, A. S., Verma5, N., & Singh, R. (2025). *Advances in Consumer Research The Challenges and Role of AI in HRM: Opportunities and Ethical Challenges on HR Digitalization*. https://acr-journal.com/

44)   Jayalakshmi, K., & Jayanthi, N. (2024). *AI-Powered HR: Enhancing Employee Experience and Engagement* (pp. 281–294). https://doi.org/10.2991/978-94-6463-433-4_20

45)   Kaur, R. (n.d.). HUMAN RESOURCE MANAGEMENT AND ARTIFICIAL INTELLIGENCE: TRANSFORMATIVE EFFECTS AND FUTURE PROSPECTS. In *Modern Management, Applied Science & Social Science (IJEMMASSS)* (Vol. 06, Issue 03).

46)   Kaviyadevi, S. (2024). AI-Driven Human Resource Management in India: Balancing Innovation with Ethical and Cultural Considerations. *Educational Administration: Theory and Practice*, 12–22. https://doi.org/10.53555/kuey.v30i3.10287

47)   Kurup, P. (2025). AI AND AUTOMATION IN HR PRACTICES: A QUANTITATIVE STUDY ON ORGANIZATIONAL EFFICIENCY AND EMPLOYEE PERCEPTION. *INTERNATIONAL JOURNAL OF MARKETING AND HUMAN RESOURCE MANAGEMENT*, *16*(3), 85–91. https://doi.org/10.34218/ijmhrm_16_03_006

48)   KV, B., & Pasha, M. T. (2025). Employee engagement in the age of AI: A literature-based study on HR practices in MNCS. *International Journal of Applied Research*, *11*(11S), 137–140. https://doi.org/10.22271/allresearch.2025.v11.i11Sa.13061

*Ms. Shradha Rajesh Humane, Assistant Professor, Asian College of Science and Commerce, Pune

49)   Li, Y., Wu, B., Huang, Y., & Luan, S. (2024). Developing trustworthy artificial intelligence: insights from research on interpersonal, human-automation, and human-AI trust. In *Frontiers in Psychology* (Vol. 15). Frontiers Media SA. https://doi.org/10.3389/fpsyg.2024.1382693

50)   Loveleen, M., Nijjar, G., Rana, M. A., & Khan, M. S. (2025). *AI-Driven HRM in the Digital Age: Strategic Opportunities and Implementation Barriers*. www.ijnrd.org

51)   M, R. K. (2025). *" From Recruitment to Retention: The Pivotal Role of Artificial Intelligence in Enhancing HR Management with special reference to Companies in Chikkaballapur District*. www.ijnrd.org

52)   Madankar, S. (2025). *THE RISE OF ARTIFICIAL INTELLIGENCE IN INDIAN HRM: OPPORTUNITIES, CHALLENGES, AND ETHICAL IMPLICATIONS* (Vol. 12). www.jetir.org

53)   Mahade, A., Elmahi, A., Alomari, K. M., & Abdalla, A. A. (2025). Leveraging AI-driven insights to enhance sustainable human resource management performance: moderated mediation model: evidence from UAE higher education. *Discover Sustainability*, *6*(1). https://doi.org/10.1007/s43621-025-01114-y

54)   Mathur, M., & Pandey, A. (2024). Artificial Intelligence in Human Resource Management: Opportunities, Risks, and Ethical Implications in the Indian Context. *International Journal of Innovative Science and Research Technology*, *9*. https://doi.org/10.5281/zenodo.14603611

55)   Moon, S. (2025). *The Impact of Artificial Intelligence on Human Resource Management in The Indian IT Sector: A Mixed-Method Review*. https://doi.org/10.51244/IJRSI

56)   Muley, A., Raghuveer, K., Sivakami, D., Asst, V., Shelly Verma, M., & Singh, G. G. (2025). Perceived Effectiveness of Artificial Intelligence in HRM Function in the IT Industry in India: An Empirical Study. In *Journal of Informatics Education and Research* (Vol. 5). http://jier.orghttp://jier.org

57)   Murire, O. T. (2024). Artificial Intelligence and Its Role in Shaping Organizational Work Practices and Culture. *Administrative Sciences*, *14*(12). https://doi.org/10.3390/admsci14120316

58)   Mwita, K. M., & Kitole, F. A. (2025). Potential benefits and challenges of artificial intelligence in human resource management in public institutions. *Discover Global Society*, *3*(1). https://doi.org/10.1007/s44282-025-00175-8

59)   Naik, B. S. (2024). Impact of Artificial Intelligence Technology on HR Practices in Indian IT Companies. *Management Journal for Advanced Research Peer Reviewed and Refereed Journal ISSN*, 1–5. https://doi.org/10.5281/zenodo.11481464

*Ms. Shradha Rajesh Humane, Assistant Professor, Asian College of Science and Commerce, Pune

60)   Nawaz, N., Arunachalam, H., Pathi, B. K., & Gajenderan, V. (2024). The adoption of artificial intelligence in human resources management practices. *International Journal of Information Management Data Insights*, *4*(1). https://doi.org/10.1016/j.jjimei.2023.100208

61)   Nishtha. (2025). Human Resource Management in the Era of Artificial Intelligence. In *The Global Journal of Interdisciplinary Research in Management Interdisciplinary Research in Management* (Vol. 1, Issue 1).

62)   Nsdc, P., & Trainer, S. (2025). "AI And Automation In Human Resource Management (HRM): Friend Or Foe?" In *International Journal of Creative Research Thoughts* (Vol. 13, Issue 6). www.ijcrt.org

63)   Padma Latha, G., & Tripathy, S. (2025). *Micro-Level Workforce Planning with HR Analytics and AI: Evidence from the Startup Ecosystem in Hyderabad*. *10*, 2456–3315. www.ijrti.org

64)   Panda, G., Dash, M. K., Samadhiya, A., Kumar, A., & Mulat-weldemeskel, E. (2024). Artificial intelligence as an enabler for achieving human resource resiliency: past literature, present debate and future research directions. In *International Journal of Industrial Engineering and Operations Management* (Vol. 6, Issue 4, pp. 326–347). Emerald Publishing. https://doi.org/10.1108/IJIEOM-05-2023-0047

65)   Panwar, S. (2023). Perception of Artificial Intelligence towards the Development of Human Resources Management Practices. *INTERANTIONAL JOURNAL OF SCIENTIFIC RESEARCH IN ENGINEERING AND MANAGEMENT*, *07*(11), 1–11. https://doi.org/10.55041/ijsrem26995

66)   Patterson, E., & Whitaker, M. (n.d.). *ITSI Transactions on Electrical and Electronics Engineering Ethical Implications of AI in Human Resource Management*.

67)   Prasad, K. D. V., & De, T. (2024). Generative AI as a catalyst for HRM practices: mediating effects of trust. *Humanities and Social Sciences Communications*, *11*(1). https://doi.org/10.1057/s41599-024-03842-4

68)   Pravallika, A., & Professor of Commerce, A. (2025). Issue 8 www.jetir.org (ISSN-2349-5162). In *JETIRHC06026 Journal of Emerging Technologies and Innovative Research* (Vol. 12). www.jetir.org

69)   Priyanghaa, M. (n.d.). AI Adoption in HR: Resistance, Readiness, and the Role of Change Management. *Journal of Marketing & Social Research*.

70)   R, S. M. (n.d.). *Impact of Artificial Intelligence on Human Resource Management with Special Reference to Selected IT companies, Bangalore*. https://doi.org/10.5281/zenodo.17301110

71)   Rajkumar, Dr. S. (2024). AI-Driven Human Resource Management In India: Balancing Innovation With Ethical And Cultural Considerations. *Educational Administration: Theory and Practice*, 12–22. https://doi.org/10.53555/kuey.v30i6.10286

*Ms. Shradha Rajesh Humane, Assistant Professor, Asian College of Science and Commerce, Pune

72) Rajpoot, V., & Gupta, N. (2025). International Journal of Research Publication and Reviews Investigating Employee Perception of AI-driven HR Practices: A Study on Trust and Acceptance. In *International Journal of Research Publication and Reviews* (Issue 6). www.ijrpr.com

73) Rani, J., Priya, M. V., Scholar, L. v, & Prasad, V. K. (2024). AI in HR: Revolutionizing Recruitment, Retention, And Employee Engagement. In *Journal of Informatics Education and Research* (Vol. 4). http://jier.org

74) Ravikumar, K. (n.d.). *USAGE OF ARTIFICIAL INTELLIGENCE IN EMERGING HR PRACTICES*. https://doi.org/10.56726/IRJMETS80301

75) Renkema, M., & Weritz, P. (2025). The impact of artificial intelligence for HR professionals: lessons learned from the AI@Work Learning Community. *Strategic HR Review*. https://doi.org/10.1108/shr-07-2025-0071

76) Ritu, R. (2024). Exploring Employees' Perceptions of AI-Driven HRM: A Study of IT Sector Employees in Delhi NCR. *Educational Administration: Theory and Practice*. https://doi.org/10.53555/kuey.v30i4.10930

77) S, S. N., Romell Menezes, S., & Bhavikatti, V. (2025). A Study on the Role of AI and Robotics in HRM Practices in the IT Sector in India. *International Journal of Research Publication and Reviews Journal Homepage: Www.Ijrpr.Com*, *6*, 3581–3588. https://doi.org/10.5281/zenodo.16530906

78) Saini, N., Masih, J., Yadav, D. K., & Sharma, S. (n.d.). AI in Recruitment: Enhancing HRM Practices from Corporate Sectors to Agribusiness and Allied Industries. *Journal of Marketing & Social Research*.

79) Sehgal, W. (n.d.-a). Artificial Intelligence (AI) in Human Resource Management (HRM): A Bibliometric Research. In *International Journal of Convergent Research Citation* (Vol. 1, Issue 1).

80) Shahzad, M. F., Martins, J. M., Rita, J., Xu, S., & Mushtaq, H. M. (2024). Assessing the Impact of Strategic HR Practices on Talent Retention Through Job Satisfaction and Work Engagement: Moderating Role of Psychological Empowerment. *SAGE Open*, *14*(3). https://doi.org/10.1177/21582440241281836

81) Sharma, M. R., & Gupta, K. (n.d.). Adoption of AI-Based Technologies and Its Impact on HR Functions: A Study of Selected IT Firms in India. In *International Journal of Environmental Sciences* (Vol. 11, Issue 24). https://www.theaspd.com/ijes.php

82) Sharma, R., Singh, D., & Gupta, K. (2024). Impact Of Artificial Intelligence on HR Efficiency and Employee Experience in Indian IT Firms. In *Journal of Information Systems Engineering and Management* (Vol. 2025, Issue 53s). https://www.jisem-journal.com/

*Ms. Shradha Rajesh Humane, Assistant Professor, Asian College of Science and Commerce, Pune

83) shinde, R., Rawat, D., Kuppusamy, D., & Pandithurai, O. (n.d.). *LEX LOCALIS-JOURNAL OF LOCAL SELF-GOVERNMENT AI AND HUMAN RESOURCE MANAGEMENT: A MULTIDISCIPLINARY PERSPECTIVE ON EFFICIENCY AND ETHICS*. https://orcid.org/0000-0001-8212-272X

84) Shree, V., Krishnan, L. R. K., Marimuthu, M., & Sundarrajan, P. (n.d.). *AI and Machine Learning in the HR Ecosystem: Driving Employee Engagement*. https://doi.org/10.47772/IJRISS

85) Singh, A., Khushwaha, D., Singh, B., Srivastava, G., & Agrawal, N. (2025). AI in HRM: Revolutionizing the future of work. *International Journal of Research in Human Resource Management*, *7*(1), 267–272. https://doi.org/10.33545/26633213.2025.v7.i1c.279

86) Singh, A., & Shaurya, A. (2021). Impact of Artificial Intelligence on HR practices in the UAE. *Humanities and Social Sciences Communications*, *8*(1). https://doi.org/10.1057/s41599-021-00995-4

87) Singh, T. (n.d.). *The"Impact of Artificial Intelligence on Human Resource Practices*. www.ijfmr.com

88) Soni, A., Kumar, M., Kumar, S., Nawaz, I., Mohan, M., & Janardhan, R. (n.d.). *Original Researcher Article Advances in Consumer Research 1084*. https://acr-journal.com/

89) T, S. v. (n.d.). Artificial Intelligence in Human Resource Management: A Study of IT Companies in Bengaluru. In *IJFMR250453349* (Vol. 7, Issue 4). www.ijfmr.com

90) Thakur, R. A., Talukdar, M., Iyer, S., Liu, L. C., Chen, C. L., & Singh, A. (2025). AI and Employee Well-Being: Assessing the Ethical Implications of AI-Driven Human Resource Practices in Indian Universities. *Journal of Ecohumanism*, *4*(1), 2338–2351. https://doi.org/10.62754/joe.v4i1.6054

91) Thulasidoss, V., Alfaz, M., & Tamang, M. (2025). Artificial Intelligence in Human Resource Management: A Systematic Review of Drivers, Challenges, and Future Pathways. *Nepal Journal of Multidisciplinary Research*, *8*(4), 72–91. https://doi.org/10.3126/njmr.v8i4.82368

92) Venkteshwar Associate Professor, A., & B, B. N. (2025). *Role of AI in HR: How Artificial Intelligence is changing the Field and Driving Business Success*. *15*(1). http://eelet.org.ukhttp://eelet.org.uk

93) Venugopal, M., Madhavan, V., Prasad, R., & Raman, R. (2024). Transformative AI in human resource management: enhancing workforce planning with topic modeling. *Cogent Business and Management*, *11*(1). https://doi.org/10.1080/23311975.2024.2432550

94) Verma, D., Suresh Kumar, K., & Bhanot, S. (2025). *Workforce Management in the Era of Generative AI: Insights and Research Agendas*. *15*(1). http://eelet.org.uk

*Ms. Shradha Rajesh Humane, Assistant Professor, Asian College of Science and Commerce, Pune

95)   Verma, J., Hans, N., & Bhatt, S. (2024). Issue 4 www.jetir.org(ISSN-2349-5162). In *JETIR2404162 Journal of Emerging Technologies and Innovative Research* (Vol. 11). JETIR. www.jetir.orgb522

96)   Votto, A. M., Valecha, R., Najafirad, P., & Rao, H. R. (2021). Artificial Intelligence in Tactical Human Resource Management: A Systematic Literature Review. *International Journal of Information Management Data Insights*, *1*(2). https://doi.org/10.1016/j.jjimei.2021.100047

97)   Wibowo, E. P., Bailatul, Z., Avian, N., Putra, F., Tarigan, P., Syah Erlangga, I., & Soenanta, A. (2024). The Role of AI in Enhancing HRM Practices A Comparative Study Across Industries Peran AI dalam Meningkatkan Praktik HRM Sebuah Studi Komparatif di Berbagai Industri. In *Management Studies and Business Journal (PRODUCTIVITY)* (Vol. 1, Issue 9). https://journal.ppipbr.com/index.php/productivity/index

98)   Yadav, R. K. (2025). Employee Perceptions of AI in HRM and the Development of Ethical Guidelines. In *Published in International Journal of Trend in Scientific Research and Development* (Issue 9). www.ijtsrd.com/papers/ijtsrd73843.pdf

99)   Zahedi, M. N. (2505). *The Role of AI in Shaping Employee Engagement and Retention: Insights from the Private Banking Sector in India* (Vol. 7, Issue 5). www.ijfmr.com

100)   Zheng, J., Zhang, J. Z., Kamal, M. M., Liang, X., & Alzeiby, E. A. (2025). Unpacking human-AI interaction: Exploring unintended consequences on employee Well-being in entrepreneurial firms through an in-depth analysis. *Journal of Business Research*, *196*. https://doi.org/10.1016/j.jbusres.2025.115406

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