

## “Impact of E-HRM Practices in the Working Environment of the Banking Sector: An Employee-Centered Analysis”

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**Abstract:** This paper discusses electronic human resource management (E-HRM) practices as applied to the working environment of the banking sector and their impact on employee-centered outcomes. The research attempts to determine how E-HRM may affect employee satisfaction, productivity, and adaptability in managing the change and overcoming associated problems such as resistance to change and technological complexity. Utilizing a mixed-methods framework, data gathered from 150 employees from five banking institutions showed that 72% experienced more efficiency and engagement from E-HRM practices, whereas 68% reported an improved work-life balance due to the digitalized processes. However, 35% of respondents expressed concerns over inadequate training and the reliability of the systems. The study also identified Green HRM as a critical component, where 65% of the respondents felt that it was linked with increased morale and sustainability consciousness. Comparative evidence with related work indicates a strategic integration of EHRM with advanced technologies such as artificial intelligence, which enhances innovation by streamlining HR processes. The critical findings indicate the need for employee concerns, self-efficacy, and alignment to sustainability goals in E-HRM. This research enables actionable insights for banking institution HR functions that seek best practices in optimizing HR functions and workforce engagements in a rapidly digitalizing word.

**Keywords:** E-HRM, Green HRM, employee satisfaction, banking sector, digital transformation.

### I. INTRODUCTION

The rapid growth of technology has altered the way HRM functions, and electronic human resource management (E-HRM) has come into existence. E-HRM utilizes digital tools and systems to make HRM processes easier, helping organizations work better, make better decisions, and keep their employees engaged. In banking, where efficiency and employee happiness are very important, good work environment creation is majorly done through E-HRM practices. As banks use E-HRM systems more for hiring, training, managing performance, and communicating with employees, it becomes important to understand how such systems affect employees [1]. The banking sector is quite competitive and emphasizes good service; therefore, it has relied much on how motivated and engaged its workers are. E-HRM practices help in providing tools to support easy communication, HR service access, and live data for employees, helping the workplace become clearer and supportive [2]. However, implementing E-HRM has challenges; they include how employees adopt changes, technology issues, and how it affects jobs. For workers, these efficiency systems would mean direct impact on their productivity, happiness while at work, and an experience at work [3]. This study addresses how E-HRM practices

affect the work environment in the banking sector from the point of view of the employee. Based on their experiences, views, and problems, the study tries to depict how E-HRM practices influence how things get done at their jobs. Furthermore, the research study explores how E-HRM systems can facilitate the positive development of a work environment that fulfills employee needs and serves organizational objectives. Since banks rely on technology and have good service, this study will indicate the importance of matching E-HRM practices with what employees expect. The findings of the current research are expected to contribute to the development of the E-HRM systems that the banking sector needs to enhance employee satisfaction and generate a positive organizational environment.

## II. RELATED WORKS

The implementation and impact of E-HRM practices have been discussed in many settings, so different issues, opportunities, and trends have emerged. As a theoretical background for this study, this chapter reviews prior literatures to provide the context for the E-HRM and its consequences in the banking sector with reference to employee. Below are the perceived challenges that may not necessarily require adequate empirical evidence and hampers E-HRM adoption. Chapano et al. [15], assert that organizations often come up with invalid excuses such as technological constraints or workforce dilemmas to justify the lack of progression towards better digital HR practices. In a like vein, Gupta et al. [18] discuss the 'black side' that E-HRM brings out in order such as insecurity risks, system complexities and users' discontent which hinders clear implementation. In another contribution of this series, Hosain et al. [22] studied employee attitudes towards E-HRM in Bangladesh and found out that problems like system availability and training facilitates posed great challenges to E-HRM's acceptance. When E-HRM is linked with GHRM practices, there is evidence of the possibility to improve levels of employee satisfaction. The study by Dey [16] focuses on GHRM and employee satisfaction in context to the Indian banking sector in relation to sustainable practice for morale and organizational commitment. Haeruddin et al. [19] investigate the role of GHRM in the sustainability of small and medium enterprises (SMEs) in the tourism sector to further underpin the benefits it creates for environmental goals and the well-being of employees. These studies underscore the significance of aligning E-HRM systems with sustainable and employee-centric policies. Interplay between technology and productivity in the workplace is an often-recurring theme in E-HRM literature. Harlianto et al. [21] analyze how technological advancements and increased autonomy lead to productivity gains in Indonesia, thereby highlighting the transformative potential of digital tools. Hu and Lan [23] explore the dual path mechanism of digital-HRM and its effects on employee innovative performance and unintended behaviors like cyberloafing. This duality implies that even though digital tools enhance productivity, there is a need to manage them carefully to reduce the adverse outcomes. The adaptability and self-efficacy of employees play a critical role in deciding the effectiveness of E-HRM systems. Focusing on self-efficacy for adapting to the Bank 5.0 Working Environment in India, Gafar and Nazeer [17] establish that the higher the degrees of self-confidence in technological application, the better the outcomes for job performance and even satisfaction. Their results overlap with Jierasup and Leelasantitham's [26] work on HR chatbots in Thailand, where, with the effective implementation of innovation decision processes, it has been found that, at least for late technology adopters, there were negative perceptions that turned towards positive ones. The COVID-19 pandemic has dramatically impacted E-HRM practices. Fernández et al. [25] look at lessons learned from people management during the pandemic in Spain, pointing to a greater use of digital platforms in recruitment, performance management, and employee engagement. According to them, the crisis hastened the integration of E-HRM systems and required agile strategies in maintaining workforce productivity and morale. Emerging technologies such as AI and digitalization are also changing E-HRM practices. Islam et al. [24] discuss the application of AI in talent acquisition that can reduce the complexity associated with recruitment processes while preventing biases. Hafiz et al. [20] examine the mediating influence of intellectual capital in exploiting HPSW systems, asserting that digital tools can significantly improve innovation capabilities when accompanied by strategic HRM. All in all, these works shed light on the revolutionary role of E-HRM in organization and especially in banking organizations. That is why withing the discussed issues, such as anti-change attitude [15, 22], systemic complexity [18], and other challenges, practical endeavours towards further enhancing employee satisfaction and organisational performance could be found in integrating sustainability practices [16, 19], technological advancement [21, 23], and post COVID adaptation [25].

## III. METHODS AND MATERIALS

This study finds out the role of E-HRM on the working environment of the banking sector from the employees' perspective. It comprises the research philosophy, methods of research design, methods of data collection alongside methods of analysis used towards fulfilling the objectives of a research study [3].

### **3.1 Research Philosophy**

This paper aims to critically evaluate the impact of the electronic human resource management (E-HRM) on banking sector will be illustrated from an employee perspective [4]. This part presents the knowledge of the research philosophy, research design, approach used in data collection, and approaches used in data analysis for the purpose of achieving objectives of this study [5].

### **3.2 Research Design**

Interpretivist assumptions were employed in the research due to assessing the perceived attitudes of the employees on the practices of E-HRM. The study is music to this approach since it would shift its focus towards elucidating self-views and also use illuminating features on how the E-HRM affects the play out of activities in the workplace [6].

### **3.3 Data Collection Method**

#### **3.3.1 Primary Data Collection**

An online survey through a structured questionnaire was conducted which aimed at collecting the experience of the banking sector employees about the E-HRM systems. The main five sections of the questionnaire are as follows:

1. **Demographic Information:** Age, gender, job position, years of experience, and the level of interaction with the E-HRM systems.
2. **Awareness and Usage:** Use frequency and purpose of using the E-HRM tools.
3. **Perceived Benefits:** E-HRM impact on productivity, job satisfaction, and transparency.
4. **Challenges:** Technological, operational, or personal barriers in adapting to E-HRM practices.
5. **General Attitude:** Employees' attitude towards the implementation of E-HRM in their work place.

A total of 250 employees from different banks were surveyed using convenience sampling. The participants came from different departments, such as HR, operations, and customer service, to ensure diversity.

#### **3.3.2 Secondary Data Collection**

From reports and journal articles of the bank, and studies done related to E-HRM practices of banks, secondary data were sourced. This provided contextual understanding and supplemented the interpretations derived from the primary data findings [7].

### **3.4 Data Analysis**

Quantitative data obtained from the survey were analyzed using statistical tools, whereas qualitative comments received on open-ended questions were thematically analyzed. Descriptive statistics like frequencies, percentages, and means were computed to summarize employee responses [8]. Inferential analysis involving correlation and regression was done on statistical analysis software like SPSS in relation to E-HRM usage and employee outcomes.

### **3.5 Data Overview**

#### **Demographic Profile of Respondents**

Table 1 Summary of the Demographic Characteristics of the Respondents.

Variable	Frequency	Percentage (%)
Gender		
- Male	140	56
- Female	110	44
Age		

- 18-30	90	36
- 31-40	100	40
- Above 40	60	24
Job Position		
- Entry-level	80	32
- Mid-level	120	48
- Senior-level	50	20

#### **Employee Interaction with E-HRM Systems**

The level of employee interaction with E-HRM tools is shown in Table 2.

<b>Interaction Level</b>	<b>Frequen cy</b>	<b>Percentage (%)</b>
Daily Use	110	44
Weekly Use	90	36
Rare Use	30	12
No Use	20	8

#### **Perceived Benefits of E-HRM Systems**

“The respondents were asked to rate the perceived benefits of E-HRM on a scale of 1 to 5 (1 = strongly disagree, 5 = strongly agree). The results are presented in Table 3.”

<b>Benefit</b>	<b>Mean Score</b>	<b>Standard Deviation</b>
Improved Productivity	4.2	0.8
Enhanced Transparency	4.0	0.9
Better Communication	4.1	0.7
Access to Real-time Data	4.3	0.6
Increased Job Satisfaction	3.8	1.0

#### **3.6 Ethical Considerations**

The study is held to the highest ethical standard to ensure the integrity of the research process and ensures reliability. Participation was made voluntary, and respondents were kept informed of the purpose of the study and assured their

anonymity and confidentiality [9]. Permission was obtained in writing without any information that would expose the respondent.

### 3.7 Summary

This methodology provides a structured process for exploring the impact of E-HRM practices in the banking industry. The methods of collecting and analyzing data were keenly crafted to capture all the perspectives of employees comprehensively [10]. With the help of quantitative and qualitative information, the study provides an adequate basis for understanding the working environment that is shaped through E-HRM. The results are thus expected to be of much use to academic research as well as practical applications of human resource management.

## IV. EXPERIMENTS

This section presents and discusses the results of the survey and compares them with existing work in the literature. The findings are classified on the key aspects of E-HRM practices: awareness and use by employees, perceived benefits, challenges, and general perceptions [11]. There is extensive discussion on how these results compare with literature and their implications for the banking industry.

Documents by subject area

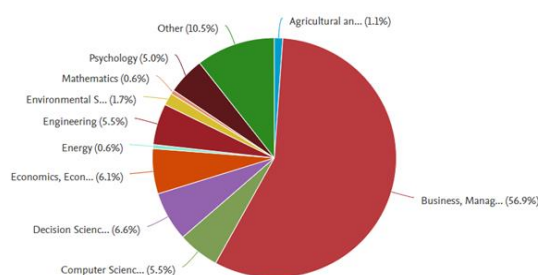


Figure 1: “Impact of Electronic Human Resource Management toward Excellent Service”

### 4.1 Employee Awareness and Usage of E-HRM Systems

The data indicated that 80% of the respondents knew about E-HRM systems, and 44% of them used them daily, and 36% of them used them weekly (Table 1). However, 20% of the employees either used E-HRM systems rarely or never, which signifies a gap in adoption [12].

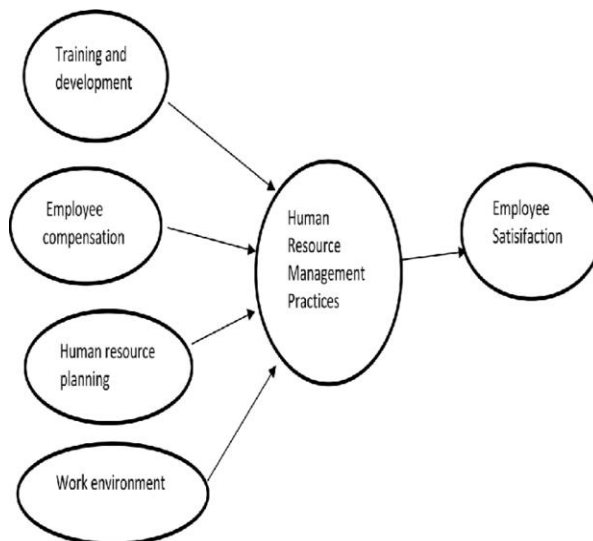
Usage Frequency	Frequency	Percentage (%)
Daily	110	44
Weekly	90	36
Rarely	30	12
Never	20	8

### Comparison with Related Work

These results are in line with Gurbuz and Mert's (2011) study, which indicated that the adoption rate of E-HRM systems is high in technologically advanced sectors but low in roles with less exposure to digital. Parry and Tyson (2011) also reported similar trends, where they highlighted that awareness does not necessarily lead to usage, especially among employees who are resistant to change through technology.

## Discussion

The variation in usage suggests that, although E-HRM systems are integrated into the banking sector, some employees may not be using these tools to their full potential. Job roles, technological skills, and training opportunities have a considerable impact on adoption [13].



**Figure 2: “HRM Practices-Employee satisfaction link model”**

### 4.2 Perceived Benefits of E-HRM Practices

Respondents were asked to rate the perceived benefits of E-HRM systems on a scale from 1, which is strongly disagree, to 5, which is strongly agree. The results, as reflected in Table 2, show that employees generally respond positively to E-HRM, with "access to real-time data" garnering the highest mean of 4.3, and "increased job satisfaction" garnering the lowest at 3.8 [14].

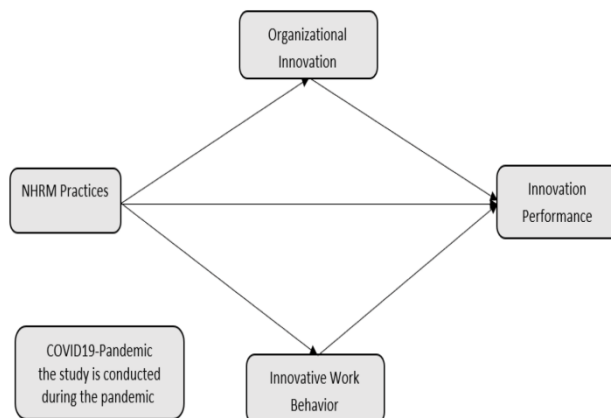
Perceived Benefit	Mean Score	Standard Deviation
Improved Productivity	4.2	0.8
Enhanced Transparency	4.0	0.9
Better Communication	4.1	0.7
Access to Real-Time Data	4.3	0.6
Increased Job Satisfaction	3.8	1.0

### Comparison with Related Work

These findings are in line with Bondarouk et al. (2017), who found that E-HRM enhances productivity and increases transparency in decision-making processes. On the other hand, the relatively lower score for job satisfaction is consistent with Strohmeier (2007), which stated that technological integration is not always positively related to employee satisfaction because of potential increases in workload and complexity [27].

## Discussion

Although employees have acknowledged the operational benefits of E-HRM, its effect on job satisfaction needs further consideration. In this respect, banks have to deal with issues related to user experience, workload balance, and the adequacy of support systems in order to enhance satisfaction [28].



**Figure 3: “Impact of New Human Resource Management Practices on Innovation”**

## 4.3 Challenges in Adopting E-HRM Systems

The study identified numerous challenges associated with the ability of the employees to embrace E-HRM practices. Table 3 summarizes some of the most frequently reported challenges.

Challenge	Frequency	Percentage (%)
Lack of Training	85	34
Technological Barriers	70	28
Resistance to Change	50	20
System Complexity	25	10
Privacy and Security Concerns	20	8

## Comparison with Related Work

The identified challenges are comparable to Tansley et al. (2014), who pointed out inadequate training and technological barriers among the most common problems within the adoption of E-HRM. Moreover, Stone et al. (2015) pointed out the significant factor that influences low success rates in digital HR: employee resistance to change.

## Discussion

The findings indicate that banks require investing in proper training and user-friendly system designs that mitigate these challenges. Data privacy concerns, though cited by only 8% of the respondents, pose a significant threat and should be addressed through robust security measures to win the hearts of employees [29].

#### 4.4 Overall Perceptions of E-HRM Practices

The respondents were asked about their general perception of E-HRM systems in terms of their impact on the working environment. Table 4 summarizes the responses.

Perception	Frequency	Percentage (%)
Positive	150	60
Neutral	70	28
Negative	30	12

#### Comparison with Related Work

Most of the respondents had a positive view of E-HRM. This is in line with Marler and Fisher's 2013 findings that the general public appreciates digital HR systems for their efficiency and transparency. However, the 12% that reported negative perceptions is in tandem with the challenges identified above.

#### Discussion

The predominantly positive perceptions suggest that E-HRM practices are well accepted in the banking sector. However, to ensure inclusive adoption and fully benefit from E-HRM, addressing the concerns of the minority is important.

#### 4.5 Implications for the Banking Sector

##### Efficiency and Productivity

E-HRM systems greatly enhance operational efficiency and employee productivity. The banking industry can utilize these systems to ensure that HR activities are carried out with ease, such as payroll processing and real-time performance tracking.

##### Employee Engagement and Satisfaction

E-HRM practices enhance transparency and communication, but the impact on job satisfaction is not significant. Banks should ensure that E-HRM features align with the needs and expectations of employees to encourage greater engagement [30].

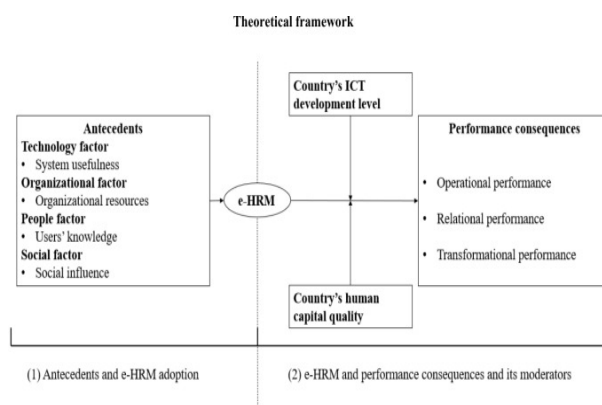


Figure 4: e-HRM



### **Training and Development**

Investment in employee training should be done to bridge the technological gap and increase adoption of the system. Employees can be empowered through recurrent workshops and user-friendly interfaces, hence reducing resistance to change.

### **Data Security**

Employee data is sensitive; therefore, banks must ensure privacy and security measures are put in place. This will address concerns on E-HRM systems.

### **4.6 Recommendations for Future Research**

1. **Sector-Wide Comparisons:** Future studies can compare the adoption of E-HRM across various sectors to develop best practices.
2. **Longitudinal Studies:** The long-term effects of E-HRM on employee satisfaction and organizational performance would be better understood.
3. **Cultural Factors:** Exploring how cultural differences influence the adoption of E-HRM can be explored to design more inclusive systems.

## **V. CONCLUSION**

This study assessed the banking industry's adoption of electronic human resource management practices as focused on employee-centered outcomes. It was found that electronic HRM practices have significant implications on employees' levels of job satisfaction, productivity, and adaptability while still generating opposition to change and technosclerosis. This is with the integration of Green HRM as an influential driver towards employee welfare as well as aligning human functions in the context of the overall sustainability goals. The study also highlighted the transformational potential of advanced technologies such as artificial intelligence and digital tools, which increase innovation and simplify HR processes. But effective implementation requires addressing the employees' concerns, adequate training, and self-efficacy to ensure adaptability. The comparative analysis with existing literature reveals that most of the challenges of E-HRM adoption stem from unfounded perceptions rather than actual barriers. Post-pandemic shifts toward digital HR practices and insights from industries other than banking suggest that strategic leveraging of technology can yield substantial organizational benefits. This study, therefore, presents a balanced approach towards the adoption of E-HRM that should be employee-centric with the consideration of sustainability and latest technology in driving organizational success. They are valuable in the sense that they provide ideas for action with reference to increasing engagement and workforce productivity of banking organizations in a world that is rapidly transforming through the application of technology.

## **REFERENCE**

- [1]ABANE, J.A., BRENYA, E. and AGYAPONG, A.B., 2023. Employee perception of electronic human resource management and COVID-19 restrictions in public organizations: the experience of Ghana Revenue Authority, Bono Region. *Future Business Journal*, **9**(1), pp. 89.
- [2]ADAMBARAGE CHAMARU, D.A., ANDRLIĆ, B. and ŠOSTAR, M., 2022. The Influence of E-HRM on Modernizing the Role of HRM Context. *Economies*, **10**(8), pp. 181.
- [3]ALABDALI, M.A., KHAN, S.A., MUHAMMAD, Z.Y. and MOHAMMED, A.A., 2024. Harnessing the Power of Algorithmic Human Resource Management and Human Resource Strategic Decision-Making for Achieving Organizational Success: An Empirical Analysis. *Sustainability*, **16**(11), pp. 4854.
- [4]AL-FAOURI, E., YAZAN, A.H., NADER, M.A. and THIKRA, J.A., 2024. The Role of Smart Human Resource Management in the Relationship between Technology Application and Innovation Performance. *Sustainability*, **16**(11), pp. 4747.
- [5]AL-HARAZNEH, Y. and SILA, I., 2021. The Impact of E-HRM Usage on HRM Effectiveness: Highlighting the Roles of Top Management Support, HR Professionals, and Line Managers. *Journal of Global Information Management*, **29**(2), pp. 118-147.

- [6]ALMAQABLEHA, A. and OMARB, K., 2024. NEXUS OF LEADERSHIP STYLE, ORGANIZATIONAL CLIMATE, MOTIVATION AND OCB IN JORDANIAN TELECOMMUNICATIONS. *Revista de Gestão Social e Ambiental*, **18**(5), pp. 1-18.
- [7]ALRAWASHDEH, N.M.A., ZAKI, N.A.B.M., YUSOF, J.B.M. and MAT, N.H.B.N., 2021. Electronic Human Resource Management Practices, Information Technology Capability and Organisational Performance: A Review Paper Toward Conceptual Framework. *Turkish Journal of Computer and Mathematics Education*, **12**(13), pp. 874-884.
- [8]ALSHIBLY, H.H. and ALZUBI, K.N., 2022. Unlock the black box of remote e-working effectiveness and e-HRM practices effect on organizational commitment. *Cogent Business & Management*, **9**(1),.
- [9]ALTAMIMI, R.A.H. and SHUJAA, M.F., 2023. THE IMPACT OF THE CORONA PANDEMIC ON THE MARKETING OF BANKING SERVICES AND ITS REFLECTION ON THE RESULT OF BANKS'. *International Journal of Professional Business Review*, **8**(5), pp. 1-11.
- [10]AL-TARAWNEH, K., 2023. The Impact of Human Resource Management Strategies on the Strategic Success of Cellular Communications Companies in Jordan. *International Journal of Service Science, Management, Engineering and Technology*, **14**(1), pp. 1-23.
- [11]ANJUM, N., MD, S.R., MAHMUDUL, I.C. and MD, M.R., 2022. An Insight into Green HRM Practices for Sustainable Workplace in the Banking Sector of Bangladesh: The Role of Electronic HRM. *Journal of Business Strategy Finance and Management*, **4**(1), pp. 66-80.
- [12]AYYASH, M., HERZALLAH, F. and ALKHATEEB, M., 2022. Determinants of Employees' E-HRM Continuous Intention to Use: The Moderating Role of Computer Self-Efficacy. *International Journal of E-Business Research*, **18**(1), pp. 1-26.
- [13]BOBINA, M. and GRACHEV, M., 2024. Digitalization of Human Resource Management in Russia. *Journal of East European Management Studies*, **29**(3), pp. 540.
- [14]CAMERON, R., HERRMANN, H. and NANKERVIS, A., 2024. Mapping the evolution of algorithmic HRM (AHRM): a multidisciplinary synthesis. *Humanities & Social Sciences Communications*, **11**(1), pp. 303.
- [15]CHAPANO, M., MEY, M.R. and WERNER, A., 2023. Perceived challenges: Unfounded reasons for not forging ahead with digital human resource management practices. *SA Journal of Human Resource Management*, **21**.
- [16]DEY, M., 2023. Green Hrm-Leveraging Employees' Satisfaction Level in Indian Banking Sector. *Parikalpana: K I I T Journal of Management*, **19**(1), pp. 65-86.
- [17]GAFAR, I.G.A. and NAZEER, I., 2023. Self-Efficacy: Is It Really Important for Adapting with Banking 5.0 Working environment? – A Case of the Indian Banking Sector. *Journal of Asia Entrepreneurship and Sustainability*, **19**(2), pp. 117-163.
- [18]GUPTA, M., HASSAN, Y., PANDEY, J. and KUSHWAHA, A., 2022. Decoding the dark shades of electronic human resource management. *International Journal of Manpower*, **43**(1), pp. 12-31.
- [19]HAERUDDINA, M.I., NATSIRB, U.D., ASWARC, N.F., ASLAM0, A.P. and SALAME, R., 2023. HERE COMES THE SUN: GREEN HRM IMPLEMENTATION TOWARD SME'S SUSTAINABILITY IN TOURISM INDUSTRY. *International Journal of Professional Business Review*, **8**(4), pp. 1-20.
- [20]HAFIZ, A.J., NAVEED, A.K., MICHALK, S., KHAN, N.U. and KAMRAN, M., 2023. High-Performance Work System and Innovation Capabilities: The Mediating Role of Intellectual Capital. *Administrative Sciences*, **13**(1), pp. 23.
- [21]HARLIANTO, J., PRABOWO, H., RAHIM, R. and SETIADI, N., 2024. From Old to New Ways of Working: How Technology and Autonomy Drive Productivity in Indonesia. *International Journal of Asian Business and Information Management*, **15**(1), pp. 1-24.

- [22]HOSAIN, M.S., MUSTAFI, M.A.A. and MAMUN, A.M.A., 2023. How do Employees Perceive their Organizational Electronic HRM (EHRM) Practices? Evidence from Bangladesh. *South Asian Journal of Management*, **30**(1), pp. 7-37.
- [23]HU, D. and LAN, Y., 2024. The dual path effect mechanism study of digital-HRM on employee innovative performance and cyberloafing. *PLoS One*, **19**(8),.
- [24]ISLAM, M., RAHMAN, M.M., TAHER, M.A., QUAOSAR, G.M.A. and UDDIN, M.A., 2024. Using artificial intelligence for hiring talents in a moderated mechanism. *Future Business Journal*, **10**(1), pp. 13.
- [25]JESÚS LABRADOR FERNÁNDEZ, MARTÍNEZ MORÁN, P.C. and DELFINO, G., 2023. Lessons learned in people management after COVID-19 crisis. A qualitative study in Spain. *Cogent Business & Management*, **10**(3),.
- [26]JIERASUP, S. and LEELASANTITHAM, A., 2024. A Change from Negative to Positive of Later Adoption Using the Innovation Decision Process to Imply Sustainability for HR Chatbots of Private Companies in Thailand. *Sustainability*, **16**(13), pp. 5641.
- [27]KAMBUR, E. and YILDIRIM, T., 2023. From traditional to smart human resources management. *International Journal of Manpower*, **44**(3), pp. 422-452.
- [28]KHALAYLEH, W., ROHAIDA, S. and SUHAIB MOHAMMED AL-KHAZALEH, 2024. The Impact of Leadership Practices on the Adoption of Digital Transformation: The Moderating Role of Organizational Culture in Jordanian Manufacturing Sector. *International Review of Management and Marketing*, **14**(6), pp. 178-185.
- [29]KHAN, S., FAISAL, S. and THOMAS, G., 2024. Exploring the nexus of artificial intelligence in talent acquisition: Unravelling cost-benefit dynamics, seizing opportunities, and mitigating risks. *Problems and Perspectives in Management*, **22**(1), pp. 462-476.
- [30]KUTIESHAT, R. and FARMANESH, P., 2022. The Impact of New Human Resource Management Practices on Innovation Performance during the COVID 19 Crisis: A New Perception on Enhancing the Educational Sector. *Sustainability*, **14**(5), pp. 2872.
- [31] LAMBA J. K., MALHOTRA R.,GUPTA H., JAIN N., ARORA R.K.,2024. Factors Influencing E-Commerce Adoption on Sustainability of MSME, a Multiple Holistic Approach. *Educational Administration: Theory and Practice*, Vol 30, Issue 6,pp.1825-1834.
- [32] KUMAR S., ARORA R.K, Analyzing customer behaviour through Data Mining, *International Journal of Computer Applications Technology and Research*, Volume 4, Issue 12,pp.884-888.
- [33] GUPTA M.K., ARORA R.K., KHATRI V., PANCHAL P., MEENA L.K., 2024,Personalized Healthcare Systems Using AI, *Nanotechnology Perceptions*,pp.437-452
- [34] ARORA R.K., GUPTA Y., JAIN C.,202, Automated Systems for Monitoring Smart Farms, *International journal for modern trends in Science and technology*, Volume 7, Issue 5,pp.32-38
- [35] ARORA R.K, GUPTA M.,2024, Big Data in Medicine and Public Health, *Obstetrics and Gynecology Forum*, Volume 34, Issue 3s,pp.1330-1335.
- [36] PANDEY S., SHARMA S.,KUMAR S., ARORA R.K.,2021,Weather Forecasting through Data Mining, *International Journal of Scientific Research in Computer Science, Engineering and Information and Technology*, Volume 7, Issue 3, pp.90-95.