A Research of Knowledge Management and Human Resource Management Strategies in Selected It Organisations

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Abstract

Introduction: The fundamental element that profoundly unites the organization is its "knowledge," and nothing is more essential than establishing a procedure for acquiring and preserving information inside its repositories.

Aim of the study: the main aim of the study is to A Research of Knowledge Management And Human Resource Management Strategies In Selected IT organizations

Material and method: This study is mostly exploratory, since only a limited number of scholars have investigated Human Resource Management techniques in IT organizations and their influence on knowledge management globally, particularly in India.

Conclusion: The purpose of this study was to use the Structural Equation Model to investigate HRM practices and knowledge management in Indore's information technology sector.

Keywords: Knowledge Management, Human Resource Management, Strategies, IT organizations, employees etc.

1. INTRODUCTION

1.1 OVERVIEW

Knowledge management is an essential corporate competency for converting operational activities into success. In 1959, Peter Drucker originally presented the concept of a "knowledge worker" and the abilities that firms would get by developing a knowledge-based economy. Uncovering the implicit meanings that workers associate with job processing and completion is a formidable challenge. He contemplated the notion that generating information and establishing a system to harness workers' latent abilities would enhance profit potential. The fundamental element that profoundly unites the organization is its "knowledge," and nothing is more essential than establishing a procedure for acquiring and preserving information inside its repositories. Acquiring knowledge is a complex endeavor. Employees possess reservations that impede their willingness to share knowledge with colleagues. The organization's inability to recognize its operational reality will result in functional failure. Inadequate and insufficient information may adversely affect an organization; hence, regardless of its short-term efficiency, it must address the problem of "knowledge management" to ensure long-term survival.

1.2 STATEMENT OF PURPOSE

Knowledge is an invaluable asset for any business, and with effective management, an organization may use its skills both internally and internationally. Numerous factors influence the success or failure of any company. However, a fundamental latent component that influences every functional area, such as Human Resources, Production, or Research & Development, is Knowledge. Previous research on knowledge management has concentrated on technology and the establishment of systems for gathering information from diverse sectors within an organization. The existence of an organization fundamentally depends on the best practices it implements to foster a culture of information sharing.

1.3 OBJECTIVES OF THE RESEARCH

● To Conduct an empirical investigation of the factors and impacts of human resource management methods on knowledge management within the IT industry.

● To Examine and analyze the current state of knowledge management and human resource management techniques within the IT sector.

● To Identify the human resource components that would enhance knowledge management.

2. LITERATURE REVIEW

Ghadeer, A.Khawaldeh (2024) This research aims to examine the impact of knowledge management on human resource management performance using the ACHIEVE model in selected banks in Amman. The sample included 43 workers from four Jordanian banks. Data was collected using a questionnaire based on the performance elements of the ACHIEVE model. A reliability study was performed to detect and eliminate extraneous factors. The Kolmogorov-Smirnov test for normality was used to assess if the variables follow a normal distribution. The Friedman test was conducted due to the ordinal nature of the dependent variable being examined. Additionally, one-sample t-tests were used to examine the impact of KM on HRM performance. Results indicate that knowledge management strongly influences human resource management performance. According to the ACHIEVE model, four out of five components were influenced by knowledge management to varied extents. The incentive was the most significant component influencing KM, while the environment was the least impactful. The study offers management recommendations for decision-making aimed at enhancing HRM performance elements, along with several theoretical and practical consequences. Ultimately, recommendations for more research are also provided.

Murali, Anupama & Krishnakumar, Sheeja (2024) For a company to be information-intensive, a connection between Human Resource Management and knowledge is essential. This relationship may improve performance and contribute to the organization's success. Efficient storage and dissemination of information inside a company cultivates proficient employees, leading to the business's success. Contemporary organizations prioritize the capture of knowledge and engage in activities related to its development, acquisition, and distribution. This research aims to elucidate the connections between knowledge management and the human resource's function. The methods used by the organization to acquire and distribute knowledge are also analyzed. This research examines the use of knowledge in the efficient management of an organization's human resources. Harter, Schmidt, and Hayes (2002) assert that HRM methods may enhance knowledge, motivation, synergy, and commitment among workers, hence providing a persistent competitive advantage for the organization. This research examines this matter closely.

Hasan, Atik & Anika, Noshin & Kёndezi, Anxhela (2023) This research examined the correlation between knowledge management and human resource management, and how these organizational assets influenced overall productivity and performance, ultimately determining the company's success or failure. The research used secondary data, namely peer-reviewed journals, and studied several case studies from different industries to explain the results. This paper's primary findings indicate that effective management of employee knowledge yields significant advantages in productivity and performance, while conversely, inadequate management results in detrimental effects. In conclusion, there are both advantageous and disadvantageous relationships between knowledge management and people management.

Mannan, Zahed (2015) A distinct transition in human resource management has occurred from a "service provider" model to a "business partner" paradigm; yet, the emerging expectations and demands may also be addressed by line management or external entities. This development presents both a significant opportunity and a danger for HR managers. This study investigates the connections between human resource management and knowledge management. This study examines the relationship between four domains of human resource management—training, decision-making, performance appraisal, and compensation and reward—and five facets of knowledge management: knowledge acquisition, knowledge documentation, knowledge transfer, knowledge creation, and knowledge application. The function of human resource management is distinct. The emphasis in staff development should be on cultivating quality, creativity, leadership, and problem-solving skills. The design of a compensation and incentive system should focus on enhancing group performance, facilitating information exchange, and fostering new thinking. The performance assessment should serve as the foundation for assessing employees' knowledge management activities and as a guide for guiding knowledge management initiatives.

Edvardsson, Ingi (2008) This study aims to incorporate HR strategies into knowledge management (KM) systems, evaluate the types of HR strategies to be implemented, and analyze the potential behavioral consequences of such strategies on the generation, dissemination, and use of information. The article examines contemporary literature on the relationship between knowledge management (KM) and human resource management (HRM). The HRM strategy and the overarching strategy of a corporation constitute the broad KM strategies. This study defined two strategies: exploitative strategy and explorative approach. Both methodologies exert behavioral impacts that influence the KM process. Consequently, the exploitative approach will prioritize knowledge retention, technical competencies, and the dissemination of explicit knowledge via information technology solutions. This elevates the danger that companies using such an approach may get entrenched in previous designs and unable to pursue new uses. The explorative approach emphasizes the importance of knowledge generation and human contact for the transmission of tacit knowledge, hence enhancing creativity and facilitating new learning. Companies using such a strategy often exhibit a deficiency in structure and procedures necessary to leverage innovations for competitive advantage. The paper's analysis relies on a literature survey; hence, the notions established need empirical validation. This study seeks to incorporate Human Resource Management into Knowledge Management systems.

3. METHODOLOGY

3.1 Research Design

This study is mostly exploratory, since only a limited number of scholars have investigated Human Resource Management techniques in IT organizations and their influence on knowledge management globally, particularly in India. Prior study has concentrated on human resource methods concerning

employee recruiting, training, performance evaluation, and incentives and recognition. As a result of global economic liberalization and technical improvements, the landscape of IT firms has fundamentally transformed with the entry of several overseas competitors. In this altered context, where the focus is on appreciating the workforce, existing literature reveals a lack of research in India regarding the influence of Human Resource Management on knowledge management practices and their effect on employee performance in IT companies. The impact of employee actions on the organizational performance and the degree of management's effort in executing knowledge management procedures.

3.2 Data Collection Method

The data collecting for the study commenced upon the acquisition of authorization to perform the research. Authorization was requested from the HR Department of the IT companies under examination.

3.3 Sample selection

The researcher conducted interviews with eight firms and engaged 1,932 respondents throughout the process. The researchers guaranteed the absence of prejudice based on gender or age. A total of 644 participants agreed to provide responses. Participation was completely optional.

4. RESULTS

4.1 DEMOGRAPHIC PROFILE OF THE STUDY

4.1.1 Gender

The survey mostly included male responders. Table 4.1 presents the specifics of the gender distribution among respondents. Among the 302 responses, 57.28% were male and 42.71% were female. Consequently, our sample accurately reflected the gender distribution throughout the I.T. industry.

Table 4.1 Gender

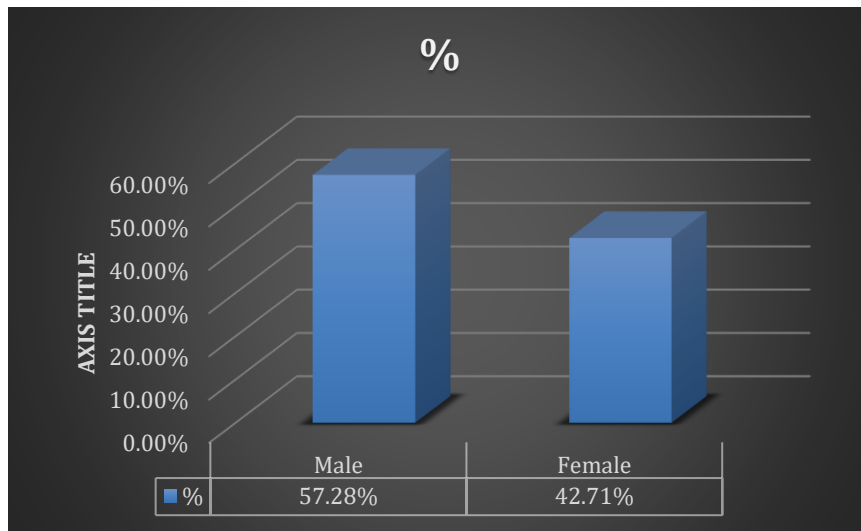| Characteristics	Frequency	%	Cumulative %
Male	173	57.28%	57.28%
Female	129	42.71%	100.0%
Total	**302**		

Figure 4.1

4.1.2 Age

All participants in the research were above 20 years of age. The examination of the respondent's age is shown in Table 4.2.

Table 4.2 Age

Age bracket of responde nts	Frequency					Percentage			
	TL	ML	FL	NME	Total	TL	ML	FL	NME
20 – 25 years	0	4	20	40	64	0%	10%	27%	23.30%
26 – 30 years	3	9	15	50	77	19%	23%	20%	29.20%
31 – 35 years	2	2	10	30	44	13%	5%	13%	17.50%
36 – 40 years	4	9	12	20	45	25%	23%	16%	11.69%
40 – 45 years	2	8	8	19	37	13%	20%	11%	11.10%

46 – 50 years	3	4	10	12	29	19%	10%	13%	7.01%
> 50 years	2	4	5	0	11	13%	10%	7%	0%

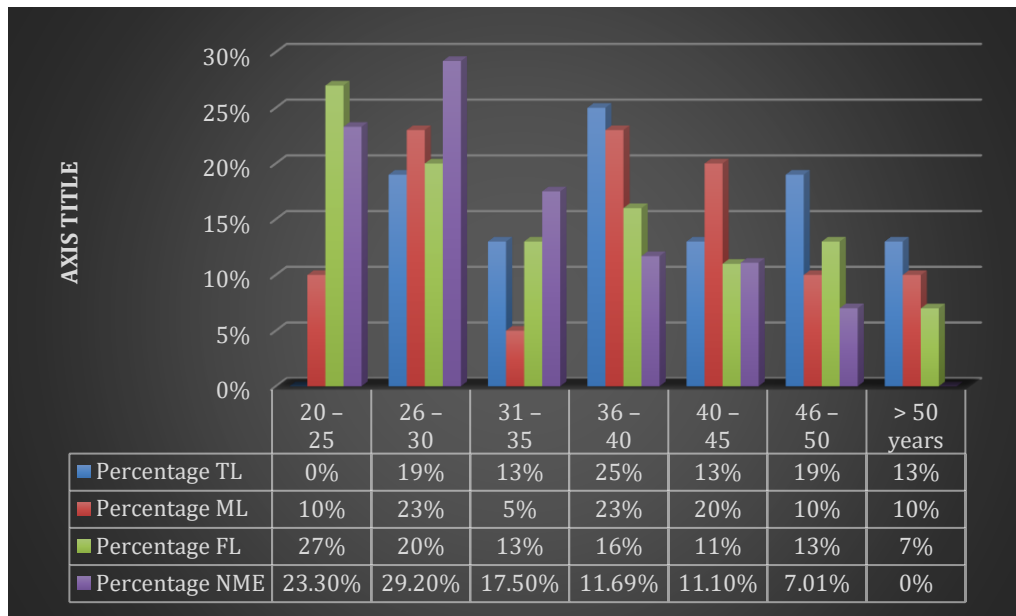|	20 – 25	26 – 30	31 – 35	36 – 40	40 – 45	46 – 50	> 50 years
Percentage TL	0%	19%	13%	25%	13%	19%	13%
Percentage ML	10%	23%	5%	23%	20%	10%	10%
Percentage FL	27%	20%	13%	16%	11%	13%	7%
Percentage NME	23.30%	29.20%	17.50%	11.69%	11.10%	7.01%	0%

Figure 4.2

Most workers are in the 26–45 age bracket, according to table 4.2. There is a small amount of persons over the age of 50, with fewer than 15% falling into that age range.

4.1.3 Education

Over eighty-five percent of responders were either graduates or post-graduates across all categories. We might assume a greater degree of education from the respondents given that this survey was carried out in eight of Indore's largest enterprises. Table 4.3 displays the results of the education analysis of the respondents.

Table 4.3 Education

Educational Qualification of respondents	in %			
	TL	ML	FL	NME
Graduate	51	30	25	30
Post graduate	35	58	63	60
Phd	14	8	0	0

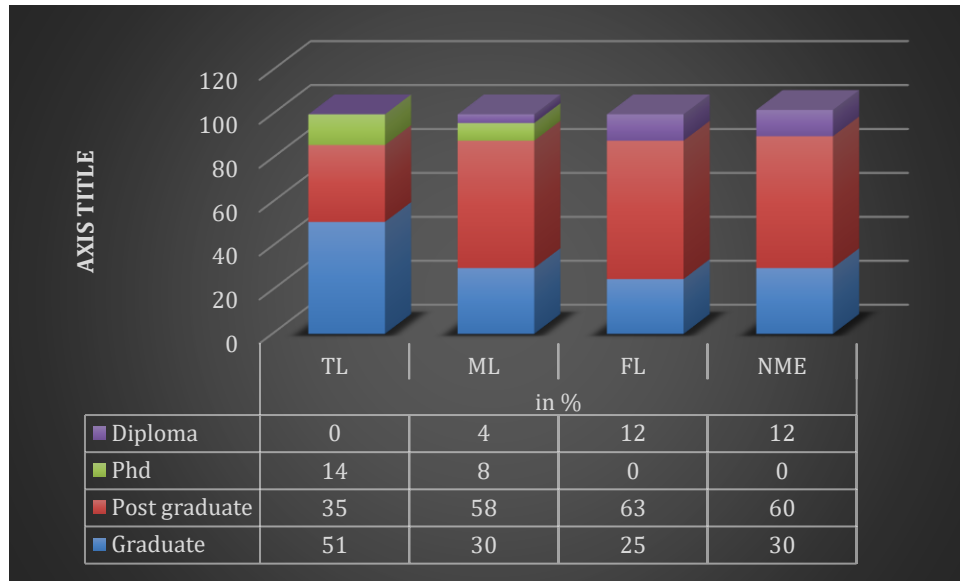| Diploma	0	4	12	12

Figure 4.3

5.4 Level of information management awareness among employees

Table 4.4

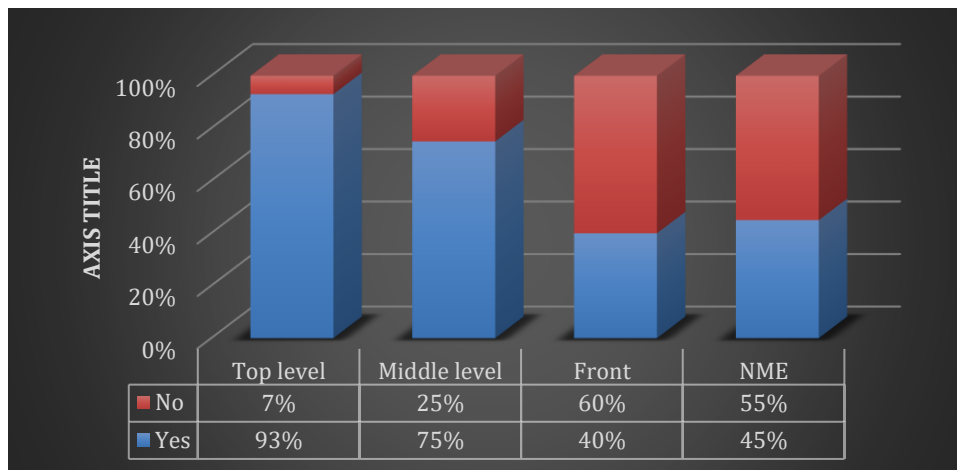| Awareness about Knowledge Management	Top level	Middle level	Front line	NME
Yes	93%	75%	40%	45%
No	7%	25%	60%	55%

Figure 4.4 Level of information management awareness among employees

The following percentages of respondents were asked about their knowledge of knowledge management: 93% at the top level, 7% in the middle level, 25% at the bottom, and 40% at the front line. Among the middle level respondents, 75% were asked about their awareness of knowledge management, while 60% were asked about their lack of awareness. Workers will disregard the importance of knowledge generation and retention if they do not understand knowledge management. Contrary to popular belief, most upper- and middle-level managers are familiar with the idea of knowledge management; yet, those working on the front lines and in non-management roles are confused. Companies should prioritize training and development programs that teach employees the value of knowledge management and the ways in which they can have a positive impact on the business by incorporating it into their daily work. The benefit to businesses will grow as a result. Improving knowledge levels and advancing the company's interests in learning more about its functioning may be achieved via the design of suitable training programs.

5.5 Employees Opinion about knowledge Management

Table 4.5

Opinion about knowledge Management	Top Level (in %)	Middle level (in %)	Front line (in %)	NME
Something the company is already doing.	2	3	0	0
It is a strategic part of your business.	95	92	40	38
It is just a Management fad.	3	5	0	0
I never heard of it	0	0	60	62

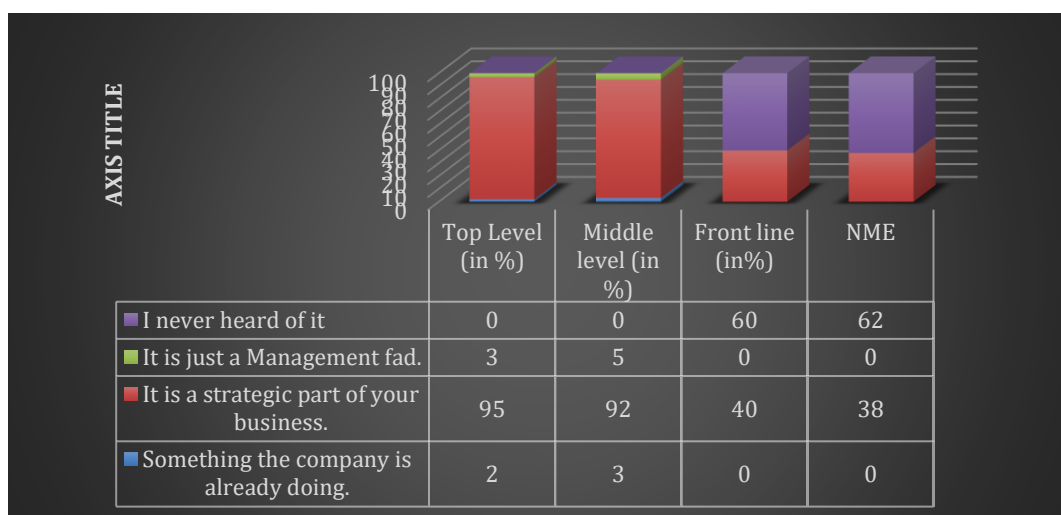|	Top Level (in %)	Middle level (in %)	Front line (in%)	NME
■ I never heard of it	0	0	60	62
■ It is just a Management fad.	3	5	0	0
■ It is a strategic part of your business.	95	92	40	38
■ Something the company is already doing.	2	3	0	0

Figure 4.5 Employees opinion about knowledge management

To summarize, the majority of survey takers (60%) and a sizable minority (62%), when asked if they are familiar with the term, said they are not; this finding is consistent with the results showing that knowledge management is an integral aspect of their company's strategy. In order to get their staff involved in knowledge management, Indore IT firms should prioritize training.

5.7 The View of the Company on the Valuation of Knowledge:

Table 4.6

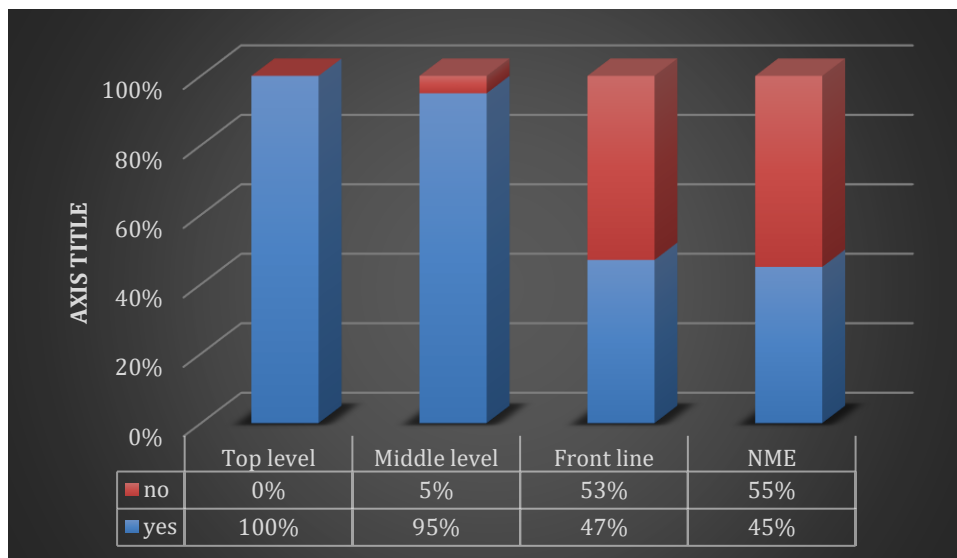| Company considering knowledge as asset Base	Top level	Middle level	Front line	NME
Yes	100%	95%	47%	45%
No	0%	5%	53%	55%

Figure 4.6: The View of the Company on the Valuation of Knowledge:

A perfect one hundred percent of top-level respondents and ninety-five percent of middle-level respondents both agreed that their organization views knowledge as an asset base. In a survey where 5% of people are not in agreement, 47% of front-line workers and 45% of non-management employees said that their organization views knowledge as an asset base, whereas 53% and 55% of those same levels of employees disagreed. To build a knowledge-centric organization, it is necessary to treat knowledge as an asset base. This will motivate the whole company's policy to value information from all sources. Organizational policies and staff actions must be reviewed for useful inputs to transform this critical information into a "knowledge asset" that the firm can use to its advantage.

5.8 The stance of upper management on the topic of knowledge management: (exclusively applicable to frontline and middle management employees)

Table 4.7

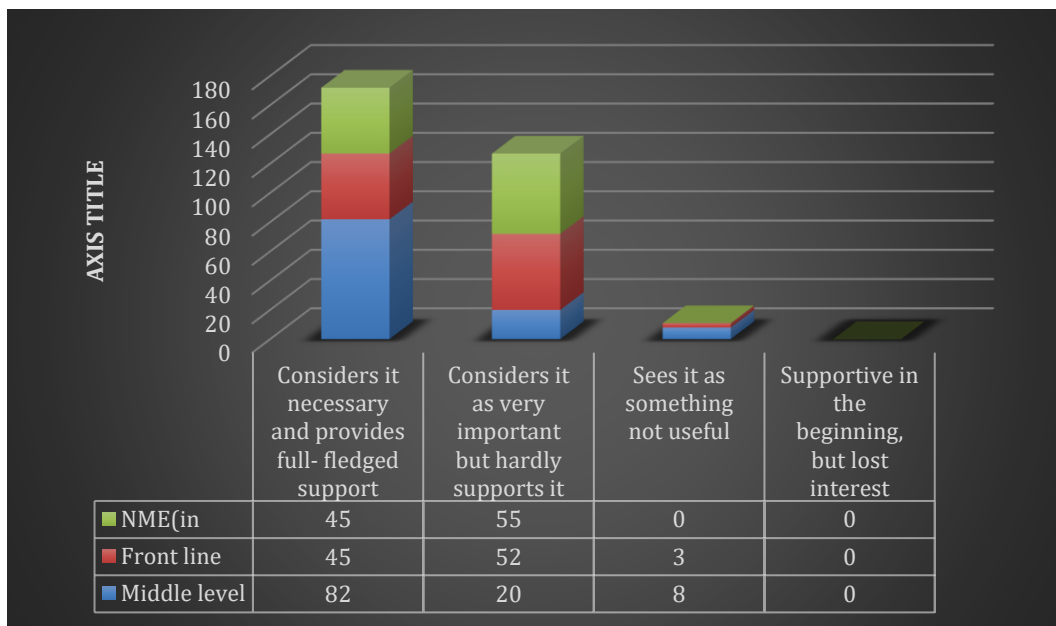| The attitude of senior management towards knowledge management	Middle level (in %)	Front line (in %)	NME(in %)
Considers it necessary and provides full-fledged support	82	45	45
Considers it as very important but hardly supports it	20	52	55
Sees it as something not useful	8	3	0
Supportive in the beginning, but lost interest	0	0	0

Figure 4.7: The stance of upper management on the topic of knowledge management: (exclusively applicable to frontline and middle management employees)

Eighty-two percent of middle-level respondents said that senior management at their company has a positive attitude toward knowledge management, whereas forty-five percent of front-level and non-management employees said the opposite. Senior management's stance on knowledge management policies matters greatly since they are the ones responsible for implementing policies that influence the whole company. Workers at all levels of the business must have a same vision, communicate it effectively, and collaborate to achieve common goals and achieve outstanding results.

5.9 Attitude of employees towards knowledge sharing

Table 4.8

Attitude of Employees towards knowledge sharing	Top Level (in%)	Middle level (in %)	Front line (in%)	NME (in %)
Very positive	92		45	42
Positive	8	18	35	38
Neutral	0	4	15	20
Negative	0	0	5	0
Very Negative	0		0	0

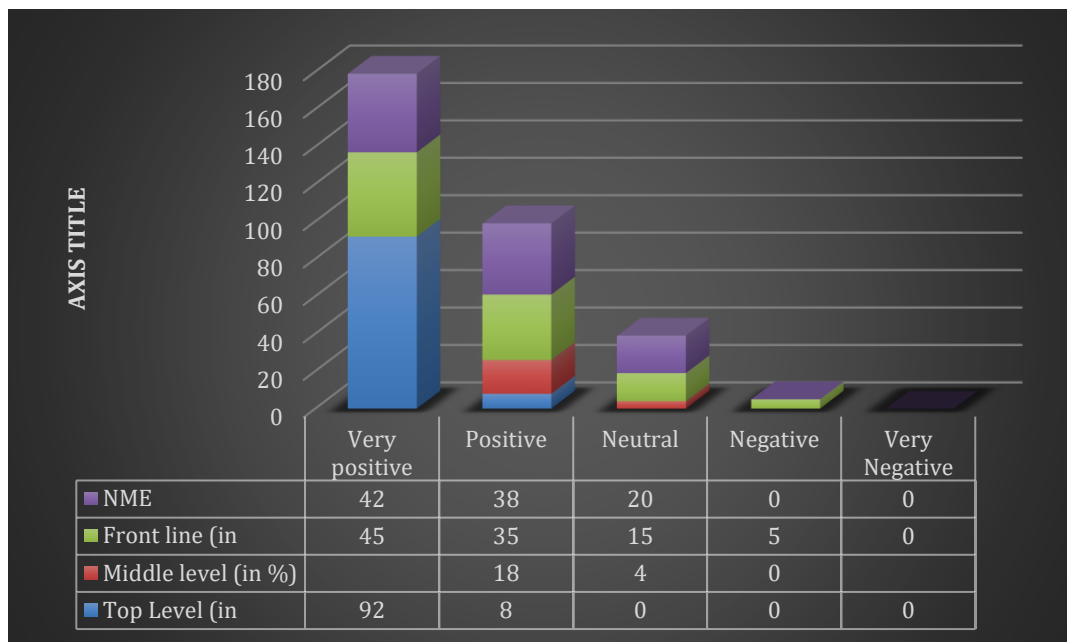|	Very positive	Positive	Neutral	Negative	Very Negative
■ NME	42	38	20	0	0
■ Front line (in	45	35	15	5	0
■ Middle level (in %)		18	4	0	
■ Top Level (in	92	8	0	0	0

Figure 4.8: Attitude of employees towards knowledge sharing

A whopping 92% of top-level respondents and 78% of middle-level respondents agree that knowledge sharing is something they are very enthusiastic about. On the other hand, 45% of front-line respondents and 42% of non-management level employees reached the same conclusion. A little skepticism about their attitude towards information sharing is also shown by the statistics among middle-level, front-line, and non-managerial staff. When asked why they are hesitant to share what they know with their colleagues, many workers cited a lack of confidence in one another and a fear of seeming incompetent to upper management as answers. Most of them mention that keeping information to themselves will help them get greater rewards, which will show up favorably in their performance reviews. Therefore, IT companies should close this gap and encourage staff to freely communicate what they know with one another.

5. CONCLUSION

The purpose of this study was to use the Structural Equation Model to investigate HRM practices and knowledge management in Indore's information technology sector. The study's findings have important managerial and theoretical consequences for modern businesses operating in India's cutthroat information technology market. According to the results, certain HR practices have a positive impact on IT company performance via staff development, management, and engagement. When it comes to getting things done around the office, nothing beats the personal touch. Because they serve as connectors between the company's many important stakeholders, employees are its lifeblood. They keep crucial company data safe and sound; they are the "servers" of the company. Accelerating the rate of an organization's development is driven by its workers. This is true in every area, not just information and technology. They are, and always will be, vast stores of information. Adding interaction effects between two or more human resource factors, such as career development, and expanding the study to other countries to test the degree to which the results are generalizable globally are additional promising directions for future research. Therefore, the researcher urges that future studies fix the problems with this one.

REFERENCES

1. Ghadeer, A.Khawaldeh. (2024). Impact of Knowledge Management (KM) on Human Resource Management (HRM) Performance Based on the ACHIEVE Model in Selected Banks of Amman – Jordan. International Journal of Business and Management. 15. 1-1. 10.5539/ijbm.v15n3p1.
2. Murali, Anupama & Krishnakumar, Sheeja. (2024). Knowledge Management and Human Resource Management (HRM): Importance of Integration. FIIB Business Review. 3. 3-10.
3. Hasan, Atik & Anika, Noshin & Këndezi, Anxhela & Mahdavian, Azin & Islam, Shariful & Sakib, Sadman & Nnange, Metuge. (2023). The Effect of Knowledge Management and Human Resource Management on Organizations' Success.
4. Mannan, Zahed. (2015). Integrating Knowledge Management and Human Resource Management for Sustainable Performance. Journal of Business Studies. XXXVI. 10.6084/m9.figshare.14573721.
5. Edvardsson, Ingi. (2008). HRM and knowledge management. Employee Relations. 30. 553 - 561. 10.1108/01425450810888303.
6. Afthanorhan, W. M. A. B. W. (2013). A Comparison Of Partial Least Square Structural Equation Modeling (PLS-SEM) and Covariance Based Structural Equation Modeling (CB-SEM) for Confirmatory Factor Analysis. International Journal Engineering and Science Innovative Technologies (IJESIT), 2(5), 8.
7. Ahmed, M., & Ahmad, R. R. (2012). Human Resource effective Factor for Knowledge Management with IT. In International Conference on Technology and Business Management (Vol. 2). Dubai: University of Wollongong in Dubai. Retrieved from http://www.icmis.net/ictbm/ictbm12/ICTBM12CD/pdf/D2248- done.pdf
8. Noh, M., Kim, H., & Jang, H. (2014). Learning performance and business performance of knowledge management organizations: The moderating effect of technology capability. Information Development, 30(5), 1-18.
9. Sveiby, K. (2007). Disabling the context for knowledge work: the role of managers' behaviours. Management Decision, 45(10), 1636-1655. doi:10.1108/00251740710838004
10. Thompson, L. (2008). Making the team: A guide for managers (3rd ed.). NJ: Prentice Hall.