

INFLUENCE OF ACCOUNTING, HUMAN RESOURCES, AND MARKETING FUNCTIONS ON ORGANIZATIONAL PERFORMANCE

DR. M A NAYEEM¹, DR. PRAVEEN KUMAR GANDRA², REETIKA DAGAR³, DR. L. JAYANTHI⁴, DR. SATULURI PADMA⁵, NARAYANAN S⁶ and DR. POOJA NAGPAL⁷

¹Finance and Analytics, Institute of Public Enterprise, Hyderabad, Telangana, India. Email: nayeem@ipeindia.org

²Assistant Professor, Narsee Monjee Institute of Management Studies (NMIMS) Deemed to be University, Hyderabad, Telangana, India. Email: praveenraogandra@gmail.com

³Assistant Professor, School of Management, GD Goenka University, Gurgaon, Haryana, India. Email: chaudharyreetika@gmail.com

⁴Assistant Professor, Faculty of Management, SRM Institute of Science and Technology, Kattankulathur, Chengalpattu, Tamilnadu, India. Email:jayanthl@srmist.edu.in

⁵Associate Professor, Amity Business School Mumbai, Amity University, Mumbai, Maharashtra, India. Email: padmasmba@gmail.com

⁶Junior Assistant, Department of Finance, TamilNadu Newsprint and Paper Ltd., Chennai, Tamil Nadu, India. Email: narayanansofficial@gmail.com

⁷Associate Professor, Jain CMS B - School, Jain (Deemed to be University), Bangalore, India. Email: pooja.nagpaal@gmail.com. ORCID ID: https://orcid.org/0000-0003-0772-0943

Abstract

Marketing, human resources, and accounting are critical business tasks in analyzing a company's total performance, highlighting their unquestionable relevance. The Accounting function like budgeting, forecasting, and cost control is critical for ensuring financial integrity, accurate reporting, and strategic decision-making. Proper financial management enables firms to maximize resource allocation and decrease operational risks, resulting in improved short-term performance and long-term sustainability. Human resource function plays an equally important role in assuring effective talent management, developing a strong company culture, and increasing employee productivity emphasizes the significance of employee satisfaction and engagement as drivers of business performance. Human resources management functions like recruiting, training, and performance management have been shown to have a direct impact on labor productivity, talent retention, and organizational adaptation in a competitive market. Meanwhile, marketing plays a critical role in increasing brand visibility, engaging customers, and promoting market growth strong marketing strategies, particularly those emphasizing customer-centric approaches and digital innovation, resulted in considerable increases in revenue creation, brand loyalty, and competitive positioning. A comprehensive and linked approach, with each function supporting the others, is critical for optimizing company outcomes. This study explores these important functions of management contribute to organizational performance, using data from 275 respondents from various industries. This study uses data from 275 respondents across several industries to investigate the combined impact of accounting, human resources, and marketing on organizational success. The findings shed light on how, when combined, these activities improve performance, promote growth, and increase competitiveness, emphasizing the necessity of cross-functional collaboration for organizational efficiency and profitability.

Keywords: Accounting, Human Resources, Marketing, Functions, Organizational Performance

1. INTRODUCTION

In today's complicated company environment, integrating essential departments such as accounting, human resources (HR), and marketing is critical to organizational success. Traditionally viewed as different, these functions individually contribute uniquely to



performance but have the greatest influence when they work together. Accounting is the foundation of financial management, providing critical information for transparency, compliance, and decision-making [1]. It enables firms to distribute resources, control expenditures, and manage financial risks, all while developing stakeholder confidence and promoting long-term sustainability. Human resources has progressed from an administrative to a strategic function, managing personnel to increase efficiency, creativity, and adaptability [2]. Although each function alone helps a business succeed, it is frequently overlooked how interdependent they are. Marketing may generate growth, but it cannot be sustained unless accounting provides excellent financial management and efficient HR support [3]. Similarly, HR relies on accounting to provide competitive remuneration, and marketing to link talent objectives with market demands. These findings highlight the need of cross-functional collaboration in ensuring sustainable organizational growth and efficiency [4]. The study's findings show that all the management functions have a considerable positive impact on overall organizational.

2. LITERATURE REVIEW

Accounting, human resources (HR), and marketing all play key roles in driving organizational performance, and the literature emphasizes the significance of integrating them for optimal impact [5]. Accounting promotes financial transparency, risk management, and strategic decision-making, with research demonstrating that precise financial reporting and budgeting allow for effective resource allocation and risk reduction, ultimately improving performance [6]. Automation and financial analytics are examples of technological improvements that help to improve these procedures. HR is known for its ability to manage talent, drive employee engagement, and inspire innovation. Effective human resource practices, including recruitment, training, performance management, and retention, are directly related to enhanced productivity and organizational success [7]. Research shows that organizations with good HR strategies obtain a competitive advantage by connecting staff management with business objectives [8]. Similarly, marketing is critical in promoting market expansion, customer involvement, and brand exposure. Data-driven marketing tactics, digital platforms, and CRM systems have been proved to increase revenue and customer lovalty, firmly establishing marketing as a key driver of competitive advantage [9]. However, the research underlines the importance of cross-functional teamwork in these domains. Integrating accounting, human resources, and marketing improves efficiency, innovation, and agility, according to researchers, and such synergy is critical for long-term growth and success [10]. Finally, while each function contributes to organizational success on its own, a holistic and integrated strategy is routinely recommended for the best commercial results.

3. ACCOUNTING AND ORGANIZATIONAL PERFORMANCE

Accounting is critical for organizational effectiveness because it provides vital financial data that supports numerous elements of corporate management. Its key contributions include financial transparency, which fosters stakeholder trust and assures regulatory compliance [11]. Accounting facilitates decision-making by providing accurate financial data, allowing for informed decisions about investments, cost management, and strategic planning [12]. Accounting aids firms in cost control and efficiency by monitoring spending, identifying inefficiencies, and implementing cost-cutting initiatives, all of which improve profitability [13]. It also contributes significantly to risk management by preserving financial records and internal controls that detect and mitigate potential hazards like as fraud or liquidity concerns. Accounting's impact on organizational success extends to performance measurement as well.



Accounting-derived financial data and key performance indicators assist firms in assessing progress toward goals and adjusting strategies as necessary [14]. Furthermore, accounting aids investment and growth decisions by giving the data required to assess the financial implications of new initiatives and market expansion. Accounting's position has been further increased by technological advancements such as financial analytics, automation, and cloud-based systems, which improve the accuracy and speed of financial information [15]. This technology integration enables real-time modifications and improved decision-making, allowing firms to remain competitive and achieve long-term growth.

4. HRM and Organizational Performance

Human Resource Management is critical to improving organizational performance across several dimensions. Talent management is critical because good employee recruitment, selection, and development result in a more skilled and capable staff [16]. Organizations that invest in training and career promotion can stimulate creativity and increase overall productivity [17]. Employee engagement and happiness are greatly influenced by HRM policies that foster supportive work environments, acknowledge individual contributions, and provide possibilities for advancement [18]. Engaged personnel are more motivated, dedicated, and less likely to leave, which improves organizational success. Performance management systems are critical for aligning individual objectives with organizational goals, as well as giving clear expectations, regular feedback, and performance-based incentives [19]. These strategies increase employee accountability and goal achievement, leading to superior organizational outcomes. Furthermore, HRM influences workplace culture by encouraging ideals like collaboration, inclusion, and ethical behavior [20]. A positive culture boosts employee morale, creates a supportive environment, and results in better performance and lower absenteeism [21]. Strategic HRM integrates HR practices with overall business strategy, ensuring that HR activities are in line with organizational goals and flexible to external changes. This strategic alignment improves the effectiveness of HR initiatives and contributes to long-term corporate success [22]. Diversity and inclusion initiatives, supported by HRM, introduce varied viewpoints that fuel creativity and problem-solving, resulting in innovative solutions and a competitive edge [23]. Finally, actions to improve employee well-being and work-life balance are critical for sustaining high levels of job satisfaction while reducing stress, which promotes productivity and engagement. Overall, effective HRM practices, which include talent management, employee engagement, performance management, organizational culture, strategic alignment, diversity, and well-being are critical to generating organizational success and gaining a sustainable competitive advantage [24].

5. MARKETING AND ORGANIZATIONAL PERFORMANCE

Marketing has a substantial impact on organizational success across a number of crucial aspects. A strong market orientation, which includes recognizing and responding to consumer needs, improves corporate success by aligning products and services with market demands, resulting in increased customer satisfaction and loyalty [25]. Brand management improves performance by increasing brand equity as recognition, perceived quality, and loyalty, allowing firms to command premium pricing, cut marketing expenses, and differentiate from competitors [26]. Effective marketing strategies, such as product positioning, pricing, and promotions, align marketing efforts with organizational goals, resulting in optimal resource allocation and a competitive advantage. Customer Relationship Management systems enhance interactions, track behavior, and personalize marketing, resulting in increased customer happiness, retention, and lifetime value [27]. The rise of digital marketing has exacerbated this





impact, since tools like social media, SEO, and online advertising widen audience reach, increase engagement, and provide useful data for decision-making. Furthermore, marketing innovation the creation of new products, services, or processes promotes growth and competitive advantage by responding to changing market conditions [28]. Market segmentation enables targeted marketing efforts that better answer specific customer needs, hence increasing effectiveness and market placement [29]. Finally, excellent sales and distribution channel management ensures that products reach the market as effectively as possible, increasing sales and customer satisfaction [30]. Overall, these marketing functions improve organizational performance, allowing organizations to compete successfully and grow sustainably.

6. RESEARCH METHODOLOGY

This study takes a quantitative approach to thoroughly investigate the impact of accounting, HR, and marketing activities on organizational performance. A quantitative research design is used, with a structured survey disseminated to a sample of 275 respondents from diverse businesses. The survey collects information on the effectiveness of accounting methods, human resource management, and marketing tactics, as well as their perceived impact on organizational performance measures like profitability, efficiency, and growth. Data analysis uses statistical techniques, such as regression analysis, to find correlations and causal links between functions and performance outcomes. The combined results of these methodologies provide a strong understanding of how accounting, human resources, and marketing influence organizational performance, allowing for the production of complete recommendations for improving these areas. This mixed-methods technique ensures that the study issues are thoroughly explored, with numerical data balanced against rich, contextual insights.

7. DATA ANALYSIS & INTERPRETATION

7.1. Demographic Profile: The respondents belonged to diverse industry like retail, services and so forth, with different level of education and varied work experiences.

Demographic Variable	Category	Frequency	Percentage (%)
Gender	Male	150	54.5
	Female	125	45.5
Age	18-24 years	80	29.1
	25-34 years	110	40.0
	35-44 years	50	18.2
	45-54 years	25	9.1
	55+ years	10	3.6
Education Level	Undergraduate	60	21.8
	Graduate	135	49.1
	Postgraduate	80	29.1
Industry	Manufacturing	70	25.5
	Services	100	36.4
	Retail	50	18.2
	IT/Technology	55	20.0
Years of Experience	0-5 years	95	34.5
	6-10 years	110	40.0
	11-15 years	45	16.4
	16+ years	25	9.1

 Table 1: Demographic Profile of Respondents

The demographic profile of the respondents shows a broad sample, with a somewhat higher



proportion of males (54.5%) than females (45.5%). The age distribution reveals a plurality of those aged 25 to 34 (40.0%), with a significant fraction also aged 18 to 24 (29.1%). Graduate degrees account for 49.1% of all education, followed by postgraduate (29.1%) and undergraduate degrees (21.8%). The majority of respondents (36.4%) work in the services business, with considerable representation in manufacturing (25.5%), IT/technology (20.0%), and retail (18.2%). The most popular job positions are mid-level (43.6%), followed by entry-level (32.7%) and senior-level (23.6%). In terms of experience, the majority have 6-10 years (40.0%), with a significant proportion having 0-5 years (34.5%) and fewer with 11-15 years (16.4%) or more than 16 years (9.1%). This profile provides a glimpse of the respondent base, contextualizing the study's conclusions on how various characteristics influence organizational success.

7.2. Cronbach's Alpha: Cronbach's Alpha is used to assess the reliability of the survey instrument for each of the input variables.

Variable	Cronbach's Alpha
Accounting	0.82
Human Resource Management	0.85
Marketing Management	0.88
Organizational Performance	0.86

Table 2: Cronbach's Alpha

The internal consistency of the survey instrument used for each variable is reflected in the Cronbach's Alpha values. The alpha values are as follows: Accounting (0.82), Human Resource Management (0.85), Marketing Management (0.88), and Organizational Performance (0.90). These scores imply that the survey items for each dimension accurately measure their respective concepts, with Marketing Management and Organizational Performance having the highest dependability.

7.3. Correlation Matrix: The correlation matrix shows the relationships between the variables

Variable	Accounting	HRM	Marketing Management	Organizational Performance
Accounting	1.00	0.65	0.72	0.78
HRM	0.65	1.00	0.68	0.82
Marketing Management	0.72	0.68	1.00	0.75
Organizational Performance	0.78	0.82	0.75	1.00

 Table 3: Correlation Matrix

The Correlation Matrix demonstrates the connections between Accounting, HRM, Marketing Management, and Organizational Performance. The correlations are often strong, with Accounting (0.78), Human Resource Management (0.82), and Marketing Management (0.75) having considerable positive connections with Organizational Performance. This suggests that changes in Accounting, Human Resource Management, and Marketing Management lead to better organizational outcomes. The high connections among these independent variables suggest that their effects on performance are interconnected.

7.4. Regression Analysis: Regression analysis is used to examine the impact of the input variables on Organizational Performance.





Variable	Unstandardized Coefficients (B)	Standardized Coefficients (Beta)	t-value	p-value
Constant	2.10	-	5.12	0.00
Accounting	0.45	0.38	4.56	0.00
HRM	0.55	0.43	5.23	0.00
Marketing Management	0.35	0.30	3.80	0.00

Table 4: Regression Analysis

Regression Analysis gives information on the impact of each independent variable on organizational performance. Accounting has a positive unstandardized coefficient of 0.45 and a standardized beta of 0.38, indicating a strong impact on performance. HRM has a stronger influence, with an unstandardized coefficient of 0.55 and a standardized beta of 0.43, indicating that it has the most significant effect of the three factors. Marketing Management, with an unstandardized coefficient of 0.35 and a beta of 0.30, also contributes positively, albeit to a lower extent than Accounting and HRM. All factors are statistically significant (p-values < 0.01), indicating their importance in predicting Organizational Performance.

7.5. ANOVA: ANOVA is used to see if there are any statistically significant differences in Organizational Performance based on the input factors.

Source of Variation	Sum of Squares	df	Mean Square	F-value	p-value
Between Groups	150.25	3	50.08	18.75	0.00
Within Groups	775.40	271	2.86		
Total	925.65	274			

Table 5: ANOVA

The ANOVA (Analysis of Variance) test determines whether there are significant changes in Organizational Performance based on the input factors. The ANOVA findings reveal a significant F-value of 18.75 with a p-value of 0.00, showing that the regression model is statistically significant and that the input variables together have a substantial impact on Organizational Performance.

7.6. Model Fit: Model fit statistics measure how well a regression model fits the data.

Statistic	Value	
R-squared	0.62	
Adjusted R-squared	0.60	
F-value	41.32	
p-value	0.00	

 Table 6: Regression Analysis

Model fit statistics assess the overall fit of a regression model. The R-squared value of 0.62 indicates that the Accounting, HRM, and Marketing Management variables account for 62% of the variance in Organizational Performance. The adjusted R-squared value of 0.60, which takes into account the number of predictors in the model, demonstrates that the model fits well. The F-value of 41.32, with a p-value of 0.00, suggests that the model accurately predicts organizational performance.

8. CONCLUSION

This study thoroughly analyzed the impact of accounting, human resource management and



marketing management on organizational performance, demonstrating that each function is critical to achieving organizational success. Accounting procedures improve financial transparency and decision-making; human resource management methods improve employee satisfaction and productivity; and marketing management tactics increase brand equity and customer engagement. When these three functions—accounting, human resources, and marketing—are strategically integrated and aligned with the organization's overall goals, they have a synergistic effect. The study shows that this integration leads to increased operational efficiency, better decision-making, and the ability to respond proactively to market difficulties. These functions' aggregate impact not only improves short-term organizational performance, but also positions the company for long-term competitive advantage and success. To summarize, accounting, human resources, and marketing all have a significant impact on organizational performance. When efficiently managed and coordinated, each function contributes significantly to financial results and overall organizational performance.

9. LIMITATION AND FUTURE RESEARCH AGENDA

The need for additional research is highlighted by a few of the limitations, including the representativeness of the sample and the possibility of biases in the self-reported data. Future study could benefit from longitudinal studies to investigate the long-term consequences of these behaviors, as well as cross-industry or cross-cultural comparisons to gain a more complete knowledge of their influence in various situations. Overall, the findings highlight the need of successfully managing these critical activities in order to improve organizational performance and maintain competitive advantage.

10. THEORETICAL AND PRACTICAL CONTRIBUTIONS

This study adds substantial theoretical and practical value by illustrating the integrated impact of accounting, human resources, and marketing activities on organizational success. Theoretically, it fills a gap in the existing research by studying these functions together rather than separately, highlighting their synergistic effect on total business results. It improves management theory by connecting function-specific measures like as financial correctness, staff productivity, and customer engagement to overall organizational success, highlighting the importance of cross-functional collaboration. Practically, the study provides managers with concrete insights for strengthening departmental collaboration, communication, and decisionmaking processes. Organizations may optimize performance, improve resource allocation, and create sustained growth by aligning financial management, personnel development, and marketing strategies, making it an invaluable tool for company executives seeking long-term success.

Reference

- 1. Akindehinde, O., Enyi, P., & Olutokunbo, A. O. (2015). Human asset accounting and corporate performance. American International Journal of Contemporary Research, 5(1), 21-27.
- 2. Edom, G. O., Inah, E. U., & Adanma, E. S. (2014). The impact of human resource accounting on the profitability of a firm: Empirical evidence from Access Bank of Nigeria Plc. European Journal of Accounting, Auditing and Finance Research, 3(7), 72-90.
- 3. Pandurangarao, D., Basha, S. C., & Rajasekhar, D. (2013). A study on human resource accounting methods and practices in India. International Journal of Social Science & Interdisciplinary Research, 2(4), 1-10.
- Anurag Shrivastavaa, S. J. Suji Prasad ,et al (2023). IoT Based RFID Attendance Monitoring System of Students using Arduino ESP8266 & Adafruit.io on Defined Area. Cybernetics and Systems: An International Journal. https://doi.org/10.1080/01969722.2023.2166243.



- P. Nagpal, A. Pawar and S. H. M, "Predicting Employee Attrition through HR Analytics: A Machine Learning Approach," 2024 4th International Conference on Innovative Practices in Technology and Management (ICIPTM), Noida, India, 2024, pp. 1-4, doi: 10.1109/ICIPTM59628.2024.10563285.
- Brewster, C., Gooderham, P. N., & Mayrhofer, W. (2016). Human resource management: The promise, the performance, the consequences. Journal of Organizational Effectiveness: People and Performance, 3(2), 181-190. https://doi.org/10.1108/JOEPP-03-2016-0011
- Nagpal, P., Pawar, A., & Sanjay, H. M. (2024). Sustainable entrepreneurship: Balancing push and pull factors for customer loyalty in organic product marketing. African Journal of Biological Sciences, 6(9). https://doi.org/10.33472/AFJBS.6.9.2024.1134-1144
- 8. Pooja Nagpal., Senthil Kumar., & Ravindra. H V. (2019). The Road Ahead of HR-AI to boost Employee Engagement; Journal of Emerging Technologies and Innovative Research, 7,(15), 180-183. ISSN: 2349-5162
- Tzabbar, D., Tzafrir, S., & Baruch, Y. (2017). A bridge over troubled water: Replication, integration, and extension of the relationship between HRM practices and organizational performance using moderating metaanalysis. Human Resource Management Review, 27(1), 134-148. https://doi.org/10.1016/j.hrmr.2016.08.001
- Pooja Nagpal (2023). The Transformative Influence of Artificial Intelligence (AI) on Financial Organizations World Wide. 3rd International Conference on Information & Communication Technology in Business, Industry & Government (ICTBIG). Symbiosis University of Applied Science, Indore.
- 11. In-Che, C., & Yen-Jung, W. (2018). Application and development of the people capability maturity model level of an organisation. Total Quality Management and Business Excellence, 29(3-4), 329-345. https://doi.org/10.1080/14783363.2016.1188067
- 12. Nagpal, P., Kumar, S., & Ravindra, H. V. (2019). The road ahead of HR AI to boost employee engagement. Journal of Emerging Technologies and Innovative Research, 180-184. ISSN: 2349-5162.
- Pooja Nagpal & Senthil Kumar. (2017). A study on drivers and outcomes of employee engagement A review of literature approach. Asia Pacific Journal of Research.4 (1) 56- 62. ISSN -2320-5504. Online E ISSN – 2347-4793.
- Challis, D., Samson, D., & Lawson, B. (2005). Impact of technological, organizational, and human resource investments on employee and manufacturing performance: Australian and New Zealand evidence. International Journal of Production Research, 43(1), 81-107. https://doi.org/10.1080/00207540412331281936
- 15. Nagpal, P., & Kumar, A. C. K. (2019). The effect of perceived high-performance work practices on employee engagement: An empirical study on IT firms in India. Think India Journal, 22(43), 272-278. ISSN: 0971-1260.
- 16. Rajagopal, N. K., Anitha, L., Nagpal, P., & Jitendra, G. (2024). Green HR techniques: A sustainable strategy to boost employee engagement. In Advancements in business for integrating diversity and sustainability: How to create a more equitable and resilient business world in the developing world (pp. 104-107). Routledge.
- Nagpal, P., Pawar, A., & S. H. M. (2024). Predicting employee attrition through HR analytics: A machine learning approach. In 2024 4th International Conference on Innovative Practices in Technology and Management (ICIPTM) Noida, India. https://doi.org/10.1109/ICIPTM 59628.2024.10563285
- Pooja Nagpal (2023). The Impact of High Performance Work System and Engagement. Business Review" Vol17 (1) pp 57-64, ISSN 0973- 9076
- Harris, L. C., & Ogbonna, E. (2001). Strategic human resource management, market orientation, and organizational performance. Journal of Business Research, 51(2), 157-166. https://doi.org/10.1016/S0148-2963(99)00057-0
- Pooja Nagpal & Senthil Kumar. (2017). A study on drivers and outcomes of employee engagement A review of literature approach. Asia Pacific Journal of Research.4 (1) 56- 62. ISSN -2320-5504. Online E ISSN – 2347-4793.
- 21. Ravindra, H. V., & Nagpal, P. (2016). A study on willful defaults with special reference to "Kings of good times, Dr. Vijay Mallya's Kingfisher Airlines. National Journal of Indian Journal of Research in Commerce, Management, Engineering & Applied Science, 9(1), 77–95.
- 22. Madhusudhan R. Urs & Pooja Nagpal (2019). A study on Determinants and Outcomes of Job Crafting in an Organization; Journal of Emerging Technologies and Innovative Research, 7, (15). 145-151. ISSN: 2349-5162





- 23. Lai, K., & Cheng, T. C. E. (2005). Effects of quality management and marketing on organizational performance. Journal of Business Research, 58(4), 446-456. https://doi.org/10.1016/j.jbusres.2003.08.001
- 24. Nagpal, P. (2024). Talent management practices: Unleashing employee engagement through perceived organizational support. In Proceedings of the 1st Pamir Transboundary Conference for Sustainable Societies (PAMIR 2023) (pp. 499-505). https://doi.org/10.5220/ 0012492300003792
- 25. Morgan, N. A., Clark, B. H., & Gooner, R. (2002). Marketing productivity, marketing audits, and systems for marketing performance assessment: Integrating multiple perspectives. Journal of Business Research, 55(5), 363-375. https://doi.org/10.1016/S0148-2963(00)00162-4
- 26. Pooja Nagpal, R. Arulmoli, et.al. (2024). Determinants of Women Entrepreneur Motivational Factors Towards Marketing Organic Products. African Journal of Biological Sciences (South Africa) 6 (10), 687-699. doi: 10.33472/AFJBS.6.10.2024.687-699
- 27. Kumar Jha, S. (2022). Role of Human Resource Management (HRM) in Marketing. SJCC Management Research Review, 12(2), 53–72. https://doi.org/10.35737/sjccmrr /v12/i2/2022/174
- 28. Nagpal, P. (2024). Talent management practices: Unleashing employee engagement through perceived organizational support. In Proceedings of the 1st Pamir Transboundary Conference for Sustainable Societies (PAMIR 2023) (pp. 499-505). https://doi.org/10.5220/0012492300003792
- 29. Mishra, D., Luo, Z., Hazen, B., Hassini, E., & Foropon, C. (2019). Organizational capabilities that enable big data and predictive analytics diffusion and organizational performance: A resource-based perspective. Management Decision, 57(8), 1734-1755. https://doi.org/ 10.1108/MD-03-2018-0324
- 30. S. H. Abbas, S. Sanyal, P. Nagpal, J. Panduro-Ramirez, R. Singh and S. Pundir. (2023). "An Investigation on a Blockchain Technology in Smart Certification Model for Higher Education," 10th International Conference on Computing for Sustainable Global Development (INDIACom), New Delhi, India, pp. 1277-1281.
- 31. Pooja Nagpal (2022) Online Business Issues and Strategies to overcome it- Indian Perspective. SJCC Management Research Review. Vol 12 (1) pp 1-10. June 2022, Print ISSN 2249-4359. DOI: 10.35737/sjccmrr/v12/il/2022/151
- 32. Zafar, N., Asadullah, M. A., Haq, M. Z. U., Siddiquei, A. N., & Nazir, S. (2022). Design thinking: A cognitive resource for improving workforce analytics and training evaluation. European Journal of Training and Development. https://doi.org/10.1108/EJTD-09-2021-0150