Vol 25, No. 1 (2024)

http://www.veterinaria.org

Article Received: 20 June 2024 Revised: 26 June 2024 Accepted:5 July 2024



Future Trends And Prospects Of Human Resource Management Vs Intelligence And Machine Learning

Mrs. K. Karuna^{1*} Dr.P.V.V.Satyanarayana²

1*Principal, Adity Degree College for Women, Kakinada Email: karuna.k@aditya.ac.in Mobile: 9553362222
2Assistant Professor School of Management Studies JNTUK, Kakinada Email: dr.pvvs@gmail.com Mobile: 9848039335

Abstract

In the contemporary business landscape, the integration of technology, particularly Artificial Intelligence (AI) and Machine Learning (ML), has evolved from a mere option to an essential component for the survival and growth of organizations. This significant shift has not only streamlined operations across various sectors but has also revolutionized Human Resource Management (HRM). AI and ML have become increasingly vital in optimizing supply chains and developing talent, embedding themselves deeply into numerous HR functions. HR professionals now face the challenge of achieving an optimal balance between human effort and automated processes, thereby creating more intuitive work environments that enhance productivity and decision-making capabilities.

This research paper explores the expanding role of AI and ML in HRM, leveraging insights from secondary data sources such as scholarly research, industry publications, and survey reports. By examining the seamless integration of AI and ML into various aspects of HR, the paper highlights the growing significance of these technologies. It also delves into the prospects and future trends that AI and ML introduce to human resource practices. As organizations strive to navigate this dynamic landscape, the adoption of AI and ML in HRM is not merely a passing trend but a strategic necessity for maintaining competitiveness in the ever-evolving business ecosystem.

Introduction

In the rapidly evolving field of Human Resource Management (HRM), the integration of Artificial Intelligence (AI) and Machine Learning (ML) is heralding a transformative era. These technologies present unprecedented opportunities to streamline HR processes, enhance decision-making, and redefine the overall employee experience. As organizations increasingly acknowledge the immense potential of AI and ML, this article delves into the current landscape, applications, and future trends of these groundbreaking technologies in HRM.

Embarking on this exploration, it becomes clear that AI and ML are not merely technological advancements; they signify a fundamental shift in how HR functions are conceptualized and executed. From talent acquisition and onboarding to performance management and employee engagement, the impact of these technologies permeates every aspect of HRM. By examining the evolving role of AI and ML, this article aims to provide a comprehensive understanding of the prospects and emerging trends that are poised to shape the future of HRM in an era where artificial intelligence and machine learning dominate.

This detailed investigation highlights how AI and ML are revolutionizing traditional HR practices, enabling HR professionals to adopt more strategic roles within organizations. It underscores the transformative power of these technologies in automating routine tasks, providing data-driven insights, and enhancing strategic decision-making. As we explore these advancements, we also consider the broader implications for organizational culture and the employee experience, offering a forward-looking perspective on how AI and ML will continue to influence HRM.

Literature Review

Artificial Intelligence (AI) The conceptualization of "artificial intelligence" in the 1950s aimed to imbue machines with human-like intelligence(McCarthy et al., 2006; Pillai & Sivathanu, 2020). Gherhes (2018) posits that the development of advanced AI robots holds the promise of not onlycreatingnewjobs andskillsets butalsoaddressingsocietalchallenges byenhancingefficiency.

Machine Learning (ML) Within the realm of computer science, Machine Learning (ML), a subset of AI, focuses on acquiring knowledge from datathrough statistical methods. Deep Learning (DL), a sophisticated form of ML, involves a hierarchical approach transforming information into intricatedata representations (Goodfellow et al., 2016). Current progress in machine learning is notably associated with deep learning techniques (Lecun et al., 2015).

Alin Human Resource Management (HRM)

The incorporation of computers into HR operations has led to the development of electronic human resources management (E-HRM), as noted by Ma and Ye (2015). This technological evolution has set the stage for further advancements, including the utilization of AI. Jiang et al. (2019) delve into the potential of AI to enhance the efficiency and quality of human resource management. They emphasize the importance of AI in HRM by identifying key

Vol 25, No. 1 (2024)

http://www.veterinaria.org

Article Received: 20 June 2024 Revised: 26 June 2024 Accepted: 5 July 2024



indicators and evaluating its impact on overall effectiveness, while also addressing the core challenges associated with its implementation.

Chelliah (2017) posits that the rise of AI in the workplace has significantly reduced the importance of blue-collar jobs. He attributes the growing interest in AI within HR to the emergence of human resource information systems (HRIS), which have revolutionized how HR departments function. Pandey and Khaskel (2019) further discuss AI's far-reaching impact on the entire HRM spectrum, noting its influence on resource planning, talent acquisition, learning and development, performance management, reward and recognition, retention, and job design. They particularly highlight the transformative effects brought about by the Fourth Industrial Revolution (4IR), which has accelerated the adoption of AI across these HR processes.

By integrating these perspectives, it becomes evident that AI is not only reshaping traditional HR practices but also redefining the strategic role of HR within organizations. As we delve deeper into these studies, we gain a comprehensive understanding of how AI is revolutionizing HRM, addressing both the opportunities it presents and the challenges it poses. This comprehensive analysis underscores the pivotal role of AI in driving HRM towards greater efficiency, strategic alignment, and adaptability in an increasingly digital and automated business environment.

Previous Studies

Dutta (2021) emphasizes AI's potential to revolutionize employee experiences, while Davenport (2020) underscores the ongoing need for human in terventionin HRf unctions. Kshetri's (2021) studyon AI in the Global South reveals its potentialtoenhancerecruitmentpools andreducebiases.

Geetha and Bhanu (2018) investigate AI's impact on recruitment strategies, emphasizing the synergy between human and AI efforts. Yawalkar (2019)concludesthatAIcontributes significantlytoHRactivities.

Martincevic& Kozina (2018) highlight challenges post AI adoption, emphasizing the importance of employee training. Gandhi et al. (2017) explore theintegration machinelearning into HRM, showcasing successful cases from the IT industry. Tambe et al. (2018) apply an Evidence-Based Management framework, addressing challenges and proposing principles for effective AI implementation. Jain (2017) explores AI's transformative potential in diverse HR functions, and Charlier (2017) discusses challenges in finding the right talent cost-effectively.

Buzko et al. (2016) link the extent of training to net income, advocating for AI in decision-making. Stone et al.'s (2015) review anticipates the growingroleof HumanResourceInformationSystems (HRIS).

Arntz et al. (2017) underscore AI's impact on the hiring process and onboarding experience, providing 24/7 support and streamlining administrativetasks. Abraham et al. (2015) emphasize AI's dual advantages in enhancing the hiring process for both organizations and applicants. Singh and Shaurya's(2021) mixed-method study in UAE companies reveals key benefits of AI in HRM, such as removing routine tasks, while acknowledging challengeslikealackof training.

StatementoftheProblem

In the rapidly evolving field of Human Resource Management (HRM), the integration of Artificial Intelligence (AI) and Machine Learning (ML) has become a transformative force. As organizations increasingly incorporate these advanced technologies, the need for a comprehensive understanding of their impact on HRM processes and outcomes grows significantly. While numerous studies have explored various aspects of AI and ML within HRM, there remains a critical need for a thorough synthesis of existing secondary data to identify overarching patterns, emerging trends, and potential gaps in current knowledge. This study aims to fill this void by meticulously analyzing a diverse array of secondary data sources, thereby offering a holistic perspective on the current state, challenges, and future prospects of AI and ML applications in HRM.

This comprehensive analysis will delve into multiple dimensions of AI and ML integration in HRM, examining their effects on processes such as talent acquisition, employee engagement, performance management, and workforce planning. By synthesizing insights from academic research, industry reports, and case studies, this research will provide a nuanced understanding of how these technologies are reshaping HRM. Furthermore, it will highlight the critical challenges organizations face in implementing AI and ML, such as data privacy concerns, ethical considerations, and the need for upskilling HR professionals.

Research objects:

Through this exploration, the study aims to contribute valuable insights that will benefit both academic researchers and industry practitioners. By offering a detailed examination of the implications of AI and ML on workforce management, this research will foster a deeper understanding of how these technologies can be leveraged to enhance HRM practices. Ultimately, the findings will inform strategies for effectively integrating AI and ML in HRM, ensuring that organizations can navigate the complexities of this technological landscape and harness its full potential for optimizing human resource functions.

This study aims to navigate the complex intersections of technology and organizational practices. By leveraging the power of secondary data—including scholarly works, case studies, and industry reports—our exploration seeks to uncover the nuanced dynamics, challenges, and transformative potential within this domain. As we delve into the

Vol 25, No. 1 (2024)

http://www.veterinaria.org

Article Received: 20 June 2024 Revised: 26 June 2024 Accepted: 5 July 2024



existing body of knowledge, our goal is to extract actionable insights that will illuminate the path forward for HRM practitioners, scholars, and decision-makers amidst the AI-driven evolution.

- ✓ To examine existing literature, case studies, and reports to provide an up-to-date overview of how Artificial Intelligence and Machine Learning are currently being applied in Human Resource Management globally.
- ✓ This objective focuses on compiling and analyzing current applications of AI and ML in HRM from various sources worldwide. By reviewing contemporary scholarly articles, real-world case studies, and comprehensive industry reports, we aim to present a clear picture of the global landscape of AI and ML integration in HRM.
- ✓ To analyze secondary data to identify prevalent trends, patterns, and best practices in the integration of AI and ML in various HRM processes, including recruitment, training, performance management, and employee retention.**
- ✓ We intend to scrutinize secondary data to uncover significant trends and patterns in the application of AI and ML across different HRM functions. This includes examining how these technologies are being utilized in recruitment, training, performance management, and employee retention. By identifying best practices, we aim to provide practical guidelines for effective implementation.
- ✓ Investigate challenges and limitations associated with the implementation of AI and ML in HRM as reported in secondary sources, focusing on issues such as ethical considerations, employee reactions, and potential biases in decision-making algorithms.
- ✓ This objective involves a thorough examination of the obstacles and limitations highlighted in existing literature and reports. We will focus on critical issues such as ethical concerns, employee perceptions and reactions, and biases in AI-driven decision-making processes. Understanding these challenges is crucial for developing strategies to mitigate potential risks associated with AI and ML implementation in HRM.
- ✓ To synthesize secondary data to provide insights into the anticipated future trends and implications of AI and ML on Human Resource Management, with a focus on potential innovations, areas for improvement, and emerging technologies that may shape the field.**
- ✓ By synthesizing the collected secondary data, we aim to forecast future trends and implications of AI and ML in HRM. This involves identifying potential innovations and areas for improvement, as well as emerging technologies that could further transform HRM. Our goal is to provide a forward-looking perspective that can guide HRM professionals in preparing for and adapting to future technological advancements.

Through this comprehensive study, we aim to contribute valuable insights that will inform both academic research and industry practice, facilitating a deeper understanding of the implications of AI and ML on HRM and guiding future developments in the field.

ResearchGap

Despite the increasing volume of literature on the integration of Artificial Intelligence (AI) and Machine Learning (ML) in Human Resource Management (HRM), there is a significant gap in synthesizing comprehensive insights from a variety of secondary data sources. Existing research predominantly focuses on isolated aspects such as recruitment or employee retention, lacking a holistic examination of the broader landscape of AI and ML applications in HRM. Furthermore, much of the literature does not adopt a forward-looking perspective, thus failing to provide a nuanced understanding of emerging trends and potential innovations in the field.

This study aims to bridge this gap by conducting an in-depth analysis of secondary data, which includes scholarly articles, detailed case studies, and extensive industry reports. By synthesizing these diverse sources, we seek to offer a consolidated and current overview of the complex interactions between AI, ML, and HRM. Our research will explore how these technologies are being integrated across various HR functions, identify prevailing trends and best practices, and highlight the challenges and limitations faced during implementation.

Moreover, this study will emphasize the importance of anticipating future trends and innovations, providing insights into how AI and ML can be harnessed to drive HRM forward. By addressing these gaps, our research aims to contribute valuable knowledge that will inform both academic discourse and practical applications, guiding HRM professionals in leveraging AI and ML to enhance efficiency, decision-making, and overall organizational performance.

ResearchMethodology

This research employs a systematic approach to synthesize and analyze secondary data regarding the integration of Artificial Intelligence (AI) and Machine Learning (ML) in Human Resource Management (HRM). The study is structured as a narrative review, facilitating an in-depth exploration of the existing literature, detailed case studies, and comprehensive industry reports on the topic.

The review is meticulously organized in a chronological format, beginning with the foundational concepts and theoretical underpinnings of AI and ML. This section provides a solid base for understanding the fundamental principles and technological advancements that have paved the way for their application in HRM.

Vol 25, No. 1 (2024)

http://www.veterinaria.org

Article Received: 20 June 2024 Revised: 26 June 2024 Accepted: 5 July 2024



Next, the review progresses to a thorough examination of how AI and ML are currently being utilized within various HRM functions. This includes detailed analyses of their applications in recruitment, employee training and development, performance management, employee retention, and other critical HR processes. By exploring these applications, the review highlights the transformative impact of AI and ML on HRM practices, illustrating both the benefits and challenges encountered by organizations.

Finally, the review concludes with forward-looking insights into future trends and potential challenges associated with the continued integration of AI and ML in HRM. This section delves into anticipated innovations, emerging technologies, and strategic considerations for the future. It also addresses potential obstacles such as ethical concerns, bias in AI algorithms, and the need for continuous upskilling of HR professionals.

By following this chronological arrangement, the study provides a cohesive and comprehensive understanding of the evolution of AI and ML within HRM. It not only tracks the historical development and current state of these technologies but also projects their future trajectory, offering valuable insights for scholars, practitioners, and decision-makers in the field of HRM.

DataCollection

The secondary data for this study was meticulously sourced from reputable academic journals, industry reports, detailed case studies, and other relevant publications focused on the integration of Artificial Intelligence (AI) and Machine Learning (ML) in Human Resource Management (HRM).

The selection criteria for these sources were stringent to ensure the quality and relevance of the data. Firstly, only publications from the last decade were considered, ensuring that the data reflects the most recent developments and current trends in AI and ML applications in HRM. This time frame also allows for the inclusion of the latest technological advancements and their practical implementations within HRM practices.

Additionally, the relevance of the sources to AI and ML applications in HRM was a critical criterion. Each selected publication had to provide significant insights into how these technologies are being utilized in various HR functions, such as recruitment, training and development, performance management, and employee retention. This ensured that the data would comprehensively cover the broad spectrum of AI and ML applications within HRM.

Lastly, the credibility of the source institutions was carefully evaluated. Only data from well-established and respected academic institutions, industry leaders, and renowned experts in the field were included. This criterion was essential to maintain the integrity and reliability of the study, ensuring that the findings and conclusions drawn are based on trustworthy and authoritative sources.

By adhering to these rigorous selection criteria, this study aims to provide a robust and comprehensive analysis of the current state, challenges, and future prospects of AI and ML in HRM, grounded in high-quality secondary data from credible sources.

DataAnalysis

A thematic analysis approach was employed to extract key themes, trends, and patterns from the selected literature. This involved systematically categorizing information to identify commonalities and variations within the data. Through this method, the research aimed to highlight recurring themes and pinpoint significant trends across the body of work.

Additionally, a comparative analysis was undertaken to scrutinize different studies, allowing for the identification of consistencies, contradictions, and gaps within the existing literature. By comparing and contrasting various findings, the analysis provided a clearer picture of the areas where the literature aligns and where it diverges. This approach aimed to deliver a nuanced understanding of the current state of AI and ML in HRM, revealing the complexities and intricacies of these technologies' applications.

Furthermore, the synthesis of insights regarding future trends and innovations in AI and ML within HRM was conducted. This synthesis involved exploring potential areas for improvement and identifying emerging technologies that could shape the future of HRM. By examining forward-looking perspectives and innovative practices, the study aimed to forecast how AI and ML might evolve and influence HR functions in the coming years.

Through this detailed thematic and comparative analysis, the research provided a comprehensive overview of the current landscape of AI and ML in HRM, along with informed predictions about future developments and innovations. This approach ensured that the study not only addressed present challenges and opportunities but also anticipated future trends, offering valuable insights for HR practitioners, scholars, and decision-makers.

EthicalConsiderations

Ethical considerations were strictly adhered to throughout the research process by ensuring proper citation of all sources and respecting intellectual property rights. Each source used in this study was meticulously credited to acknowledge the original authors and maintain academic integrity. This careful approach helped to preserve the credibility and reliability of the research.

Vol 25, No. 1 (2024)

http://www.veterinaria.org

Article Received: 20 June 2024 Revised: 26 June 2024 Accepted: 5 July 2024



Significance of Secondary Data

The use of secondary data was justified for several reasons. First, it provided accessibility to a vast array of information that would be challenging and time-consuming to gather firsthand. Secondary data is readily available from numerous reputable sources, including academic journals, industry reports, and case studies. Second, utilizing secondary data is cost-effective, as it eliminates the need for extensive primary data collection processes, which can be resource-intensive. Third, leveraging existing literature enabled a comprehensive overview of the subject matter, allowing the study to cover a broad spectrum of AI and ML applications in HRM. This approach facilitated a more holistic understanding of the current state and future trends in the integration of these technologies within HR functions.

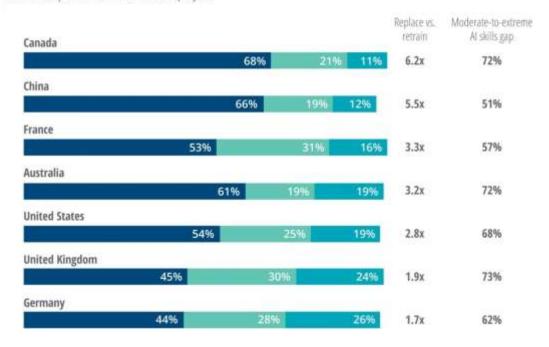
Data Synthesis

The information gathered from various sources was synthesized to construct a coherent narrative that aligned with the research objectives. This synthesis involved systematically combining insights from different studies to provide a detailed and integrated perspective on AI and ML in HRM. The goal was to weave together the diverse pieces of information into a unified story that highlights the key findings and emerging patterns.

Through this synthesis, the research aimed to offer a comprehensive and insightful overview of both the current state and future trends of AI and ML applications in HRM. By bringing together data from multiple sources, the study provided a well-rounded analysis that could inform HR practitioners, scholars, and decision-makers about the potential benefits, challenges, and innovations associated with these technologies. This integrated approach ensured that the research findings were robust, relevant, and aligned with the overarching research goals.

Across surveyed countries, AI adopters consistently prefer hiring new talent to address their AI skills gap

- Tend to replace employees with new talent Keep and replace employees in equal measure
- Tend to keep and retrain current employees



Results and finding

Kshetri's study in 2021 highlights the significant efficiency gains brought about by AI technology in HR processes. Specifically, AI has proven to enhance input efficiency by reducing the time and costs associated with recruitment and selection procedures. This efficiency extends to output as well, as AI helps mitigate drop-off rates during the application process, thereby improving overall recruitment effectiveness. Al-Karaghouli and Thabet's research in 2021 further emphasizes AI's transformative potential in automating repetitive and time-consuming HR tasks like resume screening, selection procedures, performance evaluations, and benefits management. This automation not only streamlines these processes but also enables HR professionals to allocate their time more strategically, focusing on higher-value activities. The Avature report from 2019 highlights the critical role of AI in addressing substantial drop-off rates during the application process, emphasizing its impact on improving HR operations' efficiency and effectiveness. Additionally, AI's capability to monitor and analyze employee satisfaction and engagement levels, as discussed by Welbourne in

Vol 25, No. 1 (2024)

http://www.veterinaria.org

Article Received: 20 June 2024 Revised: 26 June 2024 Accepted:5 July 2024



2016, equips HR professionals with actionable insights to enhance the overall employee experience. This, in turn, can lead to increased job satisfaction and improved retention rates, contributing positively to organizational success.

Jauhari's comprehensive study in 2017 delves into the extensive integration of AI and Machine Learning (ML) across various HR functions. The research underscores the significant advantages of these technologies, particularly in real-time data analysis for redefining performance management. Jauhari's findings shed light on AI and ML's transformative impact in measuring employee engagement, identifying areas of improvement, facilitating personalized corporate training, evaluating individual career paths, and optimizing recruitment processes. By exploring both the positive impacts and potential barriers to AI adoption, Jauhari's work offers valuable insights for HR professionals navigating the evolving landscape of technological integration.

Similarly, Merlin et al.'s research in 2018 investigates the growing reliance on AI in HR, emphasizing the shift towards human-machine collaboration and automation. The study underscores how this trend leads to a reduced workload and time savings for HR teams, ultimately enhancing operational efficiency. The collective conclusion from these studies encourages organizations to embrace AI, emphasizing the importance of upskilling employees to effectively navigate this transformative journey.

Limitations of the Study

While this study provides valuable insights into the integration of Artificial Intelligence (AI) and Machine Learning (ML) in Human Resource Management (HRM), it is essential to acknowledge several limitations that shape the boundaries of our research and suggest areas for future investigation and refinement in this evolving field.

- The study primarily relies on secondary data, which may limit the depth of insights compared to primary research methods and constrain the generalizability of findings based on the available literature.
- The focus on the last decade means that the study might not capture the most recent advancements in AI and ML, as these technologies have evolved rapidly in recent years.
- The quality of insights depends on the accuracy and reliability of secondary data sources, with variations in methodologies across studies potentially affecting the consistency of findings.
- Publication bias may be introduced, as studies with positive results are more likely to be published, potentially overlooking unpublished or negative findings.
- Industry-specific nuances and organizational diversity in the application of AI and ML in HRM may not be fully captured.
- The study acknowledges the human factor in HRM but may not fully capture qualitative aspects of employee experiences and perceptions through quantitative data analysis.
- While ethical considerations are acknowledged, the study does not extensively explore the ethical implications of AI and ML in HRM.
- Varying rates of AI and ML adoption across industries and regions are not extensively explored, potentially affecting the generalizability of findings.
- The rapid evolution of AI and ML technologies and their dynamic nature may not be fully reflected in the study.
- Certain industries or sectors may be predominantly focused on, potentially overlooking unique challenges and opportunities in other industries regarding AI and ML adoption.

Prospects

The future outlook for Artificial Intelligence (AI) in Human Resources (HR) is exceptionally promising, driven by the integration of machine learning analytics. This fusion enables HR professionals to make informed decisions by extracting valuable insights from patterns and trends within extensive datasets. The utilization of predictive models emerges as a transformative force, holding significant potential in several key areas. Al's predictive capabilities provide a strategic advantage in identifying ideal candidates tailored for specific roles, thereby revolutionizing traditional recruitment practices. Additionally, these models are invaluable in proactively predicting the risks of employee turnover, enabling organizations to implement retention strategies preemptively.

Beyond recruitment and retention, AI-powered predictive analytics play a crucial role in refining workforce planning strategies, ensuring that HR initiatives align seamlessly with evolving organizational requirements. As highlighted by Ho and Goethals (2022), the prospects for AI in HR transcend mere automation, marking a shift towards strategic decision-making and heightened organizational agility. This evolution signifies a paradigm shift in how HR functions operate, leveraging AI to enhance efficiency, optimize resource allocation, and drive sustainable growth within organizations.

Conclusion

In the dynamic realm of Human Resource Management (HRM), the fusion of Artificial Intelligence (AI) and Machine Learning (ML) emerges as a catalyst for transformative change with far-reaching implications. AI's adeptness in optimizing input-output efficiency, refining recruitment workflows, automating mundane tasks, and fostering a data-

Vol 25, No. 1 (2024)

http://www.veterinaria.org

Article Received: 20 June 2024 Revised: 26 June 2024 Accepted: 5 July 2024



centric approach in HRM is readily apparent. Moreover, the predictive capabilities of machine learning algorithms offer the potential to revolutionize recruitment strategies by identifying top-tier candidates and forecasting employee retention risks accurately. The integration of AI goes beyond mere automation, positioning itself as a strategic enabler that empowers HR professionals to navigate intricate workforce planning intricacies efficiently.

This elaboration highlights how AI's capabilities extend beyond surface-level improvements, such as automation, to empower HR professionals in making strategic decisions and navigating complex workforce challenges effectively.

Reference:

- 1. Pandey, S., & Khaskel, P. (2019). Application of Alinhuman resourceman agement and gen Y's reaction. International Journ alof Recent Technology and Engineering (IJRTE), 8(4), 2277–3878. https://doi.org/10.35940/iirte.D4585.118419.
- 2. Pillai,R.,&Sivathanu,B.(2020).Adoptionofartificialintelligence(AI)fortalentacquisitioninIT/ITeSorganizations.Ben chmarking:AnInternationalJournal,27(9),2599-2629.
- 3. Singh,A.,&Shaurya,A.(2021).ImpactofArtificialIntelligenceonHRpracticesintheUAE.HumanitiesandSocialScience sCommunications, 8(1),1-9.
- 4. Tambe, P., Cappelli, P., Yakubovich, V. (2019). "Artificial Intelligence in Humanresource Management: Challenge and apathforward." California Management Review, 61(4), 15-42.
- 5. Welbourne, T.M. (2016). The potential of pulsesurveys: Transforming surveys into leadership tools. Employment Relations Today, 43(1), 33-39.
- 6. Yawalkar, V.V. (2019, February). A Study of Artificial intelligence and its role in Human Resource Management. International Journal of Research and Analytical Reviews, 06(01), 20-24.
- P.V.V.Satyanarayan (2011) "A study on Effectiveness of self-employment to educated unemployed youth scheme in India" Published in ZENITH International Journal of Multidisciplinary Research. Vol.1 Issue 5 Sept.2011 ISSN 2231-5780pp 231-243 (IF 4.134) E-ISSN 22498826
- 8. P.V.V.Satyanarayan (2011) "Post reforms Journey of Public Sector Enterprise in India "Published in Proficient and International Journal of Management by Jahanvi Publication Pvt. Ltd., Jaipur, Volume III Issue VI
- 9. P.V.V.Satyanarayan (2018) A Study of HRM Practices and its impact on Employees job pleasure in public sector Banks: A case study of State Bank of India, East Godavari District, Andhra Pradesh" paper published in IJEMR
- 10. (P.V.V.Satyanarayan (2018) A Study on Human Resource Planning impact of job characteristics on job satisfaction of employees in pharmaceutical companies at vishakapatnam district of Andhra Pradesh" paper published in "Review of Research" Volume 8,