



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

Embedded Systems Design: A Comprehensive Guide to Computer Architecture

Dennis Jack, Raymond Patrick

Abstract:

"Embedded Systems Design: A Comprehensive Guide to Computer Architecture" is a comprehensive exploration of the intricate realm of embedded systems, focusing on the fundamental principles of computer architecture. This guide serves as an invaluable resource for engineers, developers, and students seeking a deep understanding of the design intricacies involved in creating efficient and reliable embedded systems. The abstract encapsulates the essence of the book, offering a glimpse into the key topics covered and the practical insights provided.

Keywords: Embedded Systems, Computer Architecture, Microcontrollers, Real-time Operating Systems (RTOS).

Department of Engineering, University of Leeds



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

Introduction: "Embedded Systems Design: A Comprehensive Guide to Computer Architecture"

In the ever-evolving landscape of technology, embedded systems stand as the unsung heroes, quietly powering countless devices and applications that permeate our daily lives. "Embedded Systems Design: A Comprehensive Guide to Computer Architecture" seeks to unravel the intricacies of these systems, delving deep into the fundamental principles of computer architecture that form the backbone of their design. This comprehensive guide is crafted to provide engineers, developers, and students with a profound understanding of the intricate interplay between hardware and software in embedded systems.

K Venigandla, N Vemuri, N Thaneeru, VM Tatikonda, Journal of Knowledge Learning and Science Technology ISSN: 2959-6386 (online), 2023 Explain Pricing strategies are of paramount importance in the fiercely competitive retail sector, exerting a substantial influence on a company's financial performance and market standing. The amalgamation of artificial intelligence (AI) and robotic process automation (RPA) presents merchants with a potentially revolutionary opportunity to include and augment their pricing strategies via automation. The present research article investigates the field of AI-enhanced Robotic Process Automation (RPA) within the realm of retail pricing. It aims to analyse the impact of RPA on decision-making processes, operational efficiency, and overall organizational success.

Context and Significance:

Embedded systems, discreet computing entities embedded within larger systems, play a pivotal role in diverse applications — from consumer electronics and automotive systems to industrial automation and IoT devices. The significance of understanding the underlying computer architecture cannot be overstated, as it forms the foundation for designing efficient, reliable, and optimized embedded systems. This guide is a response to the increasing demand for a resource that not only demystifies the complexity of embedded systems but also empowers practitioners to design solutions that meet the challenges of a rapidly advancing technological landscape.

Scope of the Book:

The scope of this guide is expansive, covering the entire spectrum of embedded systems design, from the architectural principles governing microcontrollers to the intricacies of real-time operating systems (RTOS), communication protocols, and the integration of embedded systems into the broader Internet of Things (IoT) ecosystem. It offers a holistic view, encompassing both theoretical concepts and practical considerations, ensuring that readers gain not only theoretical knowledge but also the skills necessary for effective implementation.

Key Objectives:

1. **Foundations of Computer Architecture:** Establish a solid foundation by exploring the core principles of computer architecture, ensuring a comprehensive



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

understanding of the building blocks of embedded systems.

2. **Microcontrollers and Processing Units:** Examine the architecture and functionalities of microcontrollers, the central processing units that drive embedded systems, providing insights into their role, features, and optimization strategies.
3. **Operating Systems in Embedded Contexts:** Navigate the intricacies of real-time operating systems (RTOS) tailored for embedded systems, emphasizing their critical role in meeting timing requirements and ensuring deterministic execution.
4. **Peripheral Interfaces and Communication Protocols:** Dive into the world of peripheral interfaces and communication protocols, understanding how embedded systems interact with external devices, ensuring seamless data exchange.
5. **Memory Hierarchy and Optimization:** Explore the design and optimization of memory systems, addressing the challenges of balancing speed, capacity, and cost in embedded applications.
6. **Low-Power Design Strategies:** Uncover strategies and techniques to optimize power consumption, a crucial consideration in the design of embedded systems, particularly in applications with stringent power constraints.
7. **Hardware Description Languages (HDL) and Firmware**

Development: Gain proficiency in hardware description languages (HDL) for efficient hardware design, and delve into firmware development, the software embedded in the hardware of embedded systems.

8. **Security Measures:** Address the critical aspect of security in embedded systems, equipping readers with strategies and best practices to safeguard against vulnerabilities and unauthorized access.
9. **System Integration and Testing Protocols:** Understand methodologies and best practices for integrating hardware and software components, as well as testing and validating the functionality and reliability of embedded systems.
10. **Real-world Application Development:** Examine case studies to bridge theoretical concepts with real-world scenarios, illustrating how embedded systems design principles are applied in practical situations.
11. **Internet of Things (IoT) Integration:** Explore the integration of embedded systems into the broader context of the Internet of Things (IoT), encompassing connectivity, data exchange, and security considerations.

Conclusion:

This introduction lays the groundwork for a comprehensive journey through the intricacies of embedded systems design and computer architecture. As we embark on this



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

exploration, the goal is to empower readers with a profound understanding of the theoretical foundations and practical intricacies, fostering a new generation of engineers and developers capable of crafting innovative, efficient, and secure embedded systems that shape the technological landscape.

I. Introduction:

- Briefly introduce the topic and its significance.
- Provide the scope and purpose of the literature review.
- Outline the key themes, trends, or questions addressed in the review.

II. Historical Context:

- Trace the historical development of the topic.
- Identify key milestones, theories, or paradigm shifts.
- Highlight seminal works that have shaped the field.

III. Theoretical Framework:

- Explore the theoretical foundations relevant to the topic.
- Discuss key concepts, frameworks, or models used in the literature.
- Identify gaps or controversies in the existing theoretical framework.

IV. Methodological Approaches:

- Review different research methodologies employed in the literature.
- Compare and contrast methodologies used by different researchers.
- Assess the strengths and limitations of various research approaches.

V. Key Themes and Findings:

- Summarize the main themes or topics explored in the literature.
- Present key findings and insights from relevant studies.
- Highlight patterns, trends, or contradictions in the existing research.

VI. Critical Evaluation:

- Evaluate the quality of the studies reviewed (e.g., sample size, methodology).
- Assess the validity and reliability of key findings.
- Identify any biases or limitations in the existing research.

VII. Gaps in the Literature:

- Identify areas where the literature is lacking or incomplete.
- Highlight unanswered questions or areas in need of further research.
- Discuss the implications of these gaps for future studies.

VIII. Emerging Trends and Future Directions:

- Explore any emerging trends or recent developments in the field.
- Propose potential directions for future research.
- Discuss how the field is evolving and what research avenues are promising.

IX. Conclusion:

- Summarize the key insights from the literature review.
- Emphasize the contributions of existing research to the field.
- Conclude by outlining the significance of the literature review for the broader field of study.



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

Methodology:

I. Research Design:

- Describe the overall research design (e.g., experimental, observational, survey).
- Justify the choice of the research design based on the research question.

II. Participants or Sample:

- Define the target population or sample.
- Explain the sampling method and procedures.
- Provide details on participant recruitment and inclusion/exclusion criteria.

III. Data Collection:

- Describe the data collection methods used (e.g., surveys, interviews, experiments).
- Specify the tools or instruments used for data collection.
- Detail the procedures followed during data collection.

IV. Variables and Measures:

- Identify the variables under investigation.
- Describe the operationalization of variables.
- Discuss the reliability and validity of measurement instruments.

V. Data Analysis:

- Explain the statistical or qualitative analysis techniques used.
- Justify the choice of analysis methods.
- Detail any statistical software or qualitative data analysis tools used.

VI. Ethical Considerations:

- Address ethical considerations and approval from relevant ethical review boards.
- Discuss steps taken to ensure participant confidentiality and informed consent.

Result:

I. Descriptive Statistics:

- Present key descriptive statistics (e.g., means, standard deviations).
- Provide a summary of the basic characteristics of the data.

II. Inferential Statistics:

- Report the results of statistical tests or analyses conducted.
- Highlight significant findings and their implications.
- Include relevant effect sizes and confidence intervals.

III. Data Visualizations:

- Use charts, graphs, or tables to visually represent key data points.
- Ensure clarity and appropriateness of data visualizations.

IV. Subgroup Analysis:

- If applicable, conduct subgroup analyses and report relevant findings.
- Discuss any observed variations among subgroups.

V. Comparison with Hypotheses or Expectations:

- Compare the results obtained with the initial hypotheses or expectations.
- Discuss any deviations or confirmations and their implications.

Discussion:

I. Interpretation of Results:



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

- Interpret the results in the context of the research question.
- Discuss the meaning of significant findings.

II. Comparison with Previous Research:

- Compare your results with findings from previous studies.
- Identify similarities, differences, or contradictions.

III. Limitations:

- Discuss any limitations of the study.
- Address potential sources of bias or confounding.

IV. Implications:

- Discuss the practical implications of the results.
- Explore how the findings contribute to the broader field of study.

V. Future Research Directions:

- Propose potential directions for future research.
- Identify areas where further investigation is needed.

VI. Conclusion:

- Summarize the key findings and their significance.
- Conclude the discussion by reinforcing the main contributions of the study.

Remember, the specific content of these sections will depend on your research topic and the type of study you're conducting. Feel free to adapt and modify these outlines based on your specific needs.

Conclusion:

I. Recapitulation of Key Findings:

- Summarize the main findings of your study.

- Provide a concise overview of the results obtained.

II. Achievement of Objectives:

- Reflect on whether the study successfully achieved its objectives.
- Discuss any unexpected findings or deviations from initial expectations.

III. Contribution to the Field:

- Emphasize the significance of your research within the broader context of the field.
- Highlight the unique contributions your study makes to existing knowledge.

IV. Theoretical and Practical Implications:

- Discuss how your findings contribute to or challenge existing theoretical frameworks.
- Address the practical implications of your research and how it can be applied.

V. Limitations and Areas for Improvement:

- Acknowledge any limitations or constraints in your study.
- Suggest areas for improvement or further research to overcome identified limitations.

VI. Integration with Previous Research:

- Revisit how your findings align with or deviate from previous research in the area.
- Discuss any consistencies or contradictions with existing literature.

VII. Researcher's Reflection:

- Share personal reflections on the research process.



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

- Discuss any unexpected challenges, insights gained, or lessons learned.

VIII. Recommendations:

- Offer practical recommendations based on your findings.
- Suggest actions or interventions that could be implemented based on your research.

IX. Closing Remarks:

- Provide a brief summary of the overall journey of your research.
- Express gratitude for any support, funding, or collaboration received during the study.

X. Final Thoughts:

- Conclude with final thoughts or remarks that leave a lasting impression.
- Consider the broader impact of your research on the academic and practical communities.

XI. Call to Action (if applicable):

- If your research suggests a need for specific actions or changes, articulate a call to action.
- Encourage further exploration or application of your findings.

XII. Closing Statement:

- Craft a strong closing statement that reinforces the significance of your research.
- Leave the reader with a clear understanding of the importance of your study.

References:

1. Duggineni, S. (2023). Impact of Controls on Data Integrity and Information Systems. *Science and Technology*, 13(2), 29-35.

2. Venigandla, K., Vemuri, N., Thaneeru, N., & Tatikonda, V. M. (2023). Leveraging AI-Enhanced Robotic Process Automation for Retail Pricing Optimization: A Comprehensive Analysis. *Journal of Knowledge Learning and Science Technology* ISSN: 2959-6386 (online), 2(2), 361-370.
3. Carr, J. A., Parashar, A., Gibson, R., Robertson, A. P., Martin, R. J., & Pandey, S. (2011). A microfluidic platform for high-sensitivity, real-time drug screening on *C. elegans* and parasitic nematodes. *Lab on a Chip*, 11(14), 2385-2396.
4. Vyas, B. (2023). Security Challenges and Solutions in Java Application Development. *Eduzone: International Peer Reviewed/Refereed Multidisciplinary Journal*, 12(2), 268-275.
5. Legner, C., Kalwa, U., Patel, V., Chesmore, A., & Pandey, S. (2019). Sweat sensing in the smart wearables era: Towards integrative, multifunctional and body-compliant perspiration analysis. *Sensors and Actuators A: Physical*, 296, 200-221.
6. Maizana, D., Situmorang, C., Satria, H., Yahya, Y. B., Ayyoub, M., Bhalerao, M. V., & Mohammad, A. (2023). The Influence of Hot Point on MTU CB Condition at the Pgili-Giugur 1 Bay Line (PT. PLN Paya Geli Substation). *Journal of Renewable Energy, Electrical, and Computer Engineering*, 3(2), 37-43.



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

7. Duggineni, S. (2023). Data Integrity Controls: The Universal basis for Authenticity and Reliability of Data. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, 7(1), 53-58.
8. Mohammad, A., & Mahjabeen, F. (2023). From Silicon to Sunlight: Exploring the Evolution of Solar Cell Materials. *JURIHUM: Jurnal Inovasi dan Humaniora*, 1(2), 316-330.
9. Bahadur, S., Mondol, K., Mohammad, A., Mahjabeen, F., Al-Alam, T., & Bulbul Ahammed, M. (2022). Design and Implementation of Low Cost MPPT Solar Charge Controller.
10. Duggineni, S. (2023). Data Integrity and Risk. *Open Journal of Optimization*, 12(2), 25-33.
11. Sasidhar, D. (2023). Data Integrity and Risk. *Open Journal of Optimization*, 12(02), 25-33.
12. Duggineni, S. (2023). An Evolutionary Strategy for Leveraging Data Risk-Based Software Development for Data Integrity.
13. Parashar, A., & Pandey, S. (2011). Plant-in-chip: Microfluidic system for studying root growth and pathogenic interactions in Arabidopsis. *Applied physics letters*, 98(26).
14. Duggineni, S. S. (2023). Data Integrity as a Code (DIAC).
15. Mohammad, A., & Mahjabeen, F. (2023). Promises and Challenges of Perovskite Solar Cells: A Comprehensive Review. *BULLET: Jurnal Multidisiplin Ilmu*, 2(5), 1147-1157.
16. Ding, X., Njus, Z., Kong, T., Su, W., Ho, C. M., & Pandey, S. (2017). Effective drug combination for Caenorhabditis elegans nematodes discovered by output-driven feedback system control technique. *Science advances*, 3(10), eao1254.
17. Duggineni, S. (2023). The Synergy between Business Process and Big Data. *Journal of Artificial Intelligence & Cloud Computing. SRC/JAICC-133. DOI: doi.org/10.47363/JAICC/2023 (2), 125, 2-7.*
18. Mohammad, A., & Mahjabeen, F. (2023). Revolutionizing solar energy with ai-driven enhancements in photovoltaic technology. *BULLET: Jurnal Multidisiplin Ilmu*, 2(4), 1174-1187.
19. Duggineni, S. (2023). Data Analytics in Modern Business Intelligence. *Journal of Marketing & Supply Chain Management. SRC/JMSCM-123. DOI: doi.org/10.47363/JMSCM/2023 (2), 114, 2-4.*
20. Mohammad, A., Mahjabeen, F., Tamzeed-Al-Alam, M., Bahadur, S., & Das, R. (2022). Photovoltaic Power plants: A Possible Solution for Growing Energy Needs of Remote



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

- Bangladesh. *NeuroQuantology*, 20(16), 1164.
21. Chan, L. (2023). Challenges and Solutions for Data Integrity in Clinical Trials Informatics.
22. Duggineni, S. (2021). Innovative Techniques in Clinical Informatics. *International Journal of Science and Research Methodology*, 10(2), 1623-1633.
23. Duggineni, S. (2020). Risk-Based Monitoring and Data Integrity in Clinical Research. *International Journal of Science and Research*, 10(2), 1698-1704.
24. Duggineni, S. (2021). Innovative Techniques in Clinical Informatics. *International Journal of Science and Research Methodology*, 10(2), 1623-1633.
25. Pandey, S., & Kal, S. (1998). A simple approach to the capacitance technique for determination of interface state density of a metal–semiconductor contact. *Solid-State Electronics*, 42(6), 943-949.
26. Mohammad, A., & Mahjabeen, F. (2023). Revolutionizing solar energy: The impact of artificial intelligence on photovoltaic systems. *International Journal of Multidisciplinary Sciences and Arts*, 2(1).
27. Mughal, A. A. (2019). Cybersecurity Hygiene in the Era of Internet of Things (IoT): Best Practices and Challenges. *Applied Research in Artificial Intelligence and Cloud Computing*, 2(1), 1-31.
28. Mughal, A. A. (2020). Cyber Attacks on OSI Layers: Understanding the Threat Landscape. *Journal of Humanities and Applied Science Research*, 3(1), 1-18.
29. Mughal, A. A. (2022). Building and Securing the Modern Security Operations Center (SOC). *International Journal of Business Intelligence and Big Data Analytics*, 5(1), 1-15.
30. Mughal, A. A. (2019). A COMPREHENSIVE STUDY OF PRACTICAL TECHNIQUES AND METHODOLOGIES IN INCIDENT-BASED APPROACHES FOR CYBER FORENSICS. *Tensorgate Journal of Sustainable Technology and Infrastructure for Developing Countries*, 2(1), 1-18.
31. Patel, V., Chesmore, A., Legner, C. M., & Pandey, S. (2022). Trends in workplace wearable technologies and connected- worker solutions for next- generation occupational safety, health, and productivity. *Advanced Intelligent Systems*, 4(1), 2100099.
32. Mughal, A. A. (2018). The Art of Cybersecurity: Defense in Depth Strategy for Robust Protection. *International Journal of Intelligent Automation and Computing*, 1(1), 1-20.
33. Mughal, A. A. (2018). Artificial Intelligence in Information Security: Exploring the Advantages, Challenges, and Future Directions. *Journal of Artificial*



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

- Intelligence and Machine Learning in Management*, 2(1), 22-34.
34. Benslimane, A., & Dupont, M. Marchés.
35. Mughal, A. A. (2022). Well-Architected Wireless Network Security. *Journal of Humanities and Applied Science Research*, 5(1), 32-42.
36. Paschina, S. (2023). Trust in Management and Work Flexibility: A Quantitative Investigation of Modern Work Dynamics and their Impact on Organizational Performance. *European Research Studies Journal*, 26(3), 184-196.
37. Mughal, A. A. (2021). Cybersecurity Architecture for the Cloud: Protecting Network in a Virtual Environment. *International Journal of Intelligent Automation and Computing*, 4(1), 35-48.
38. M. Shamil, M., M. Shaikh, J., Ho, P. L., & Krishnan, A. (2014). The influence of board characteristics on sustainability reporting: Empirical evidence from Sri Lankan firms. *Asian Review of Accounting*, 22(2), 78-97.
39. Shaikh, J. M. (2004). Measuring and reporting of intellectual capital performance analysis. *Journal of American Academy of Business*, 4(1/2), 439-448.
40. Shaikh, J. M., & Talha, M. (2003). Credibility and expectation gap in reporting on uncertainties. *Managerial auditing journal*, 18(6/7), 517-529.
41. Shaikh, J. M. (2005). E-commerce impact: emerging technology—electronic auditing. *Managerial Auditing Journal*, 20(4), 408-421.
42. Lau, C. Y., & Shaikh, J. M. (2012). The impacts of personal qualities on online learning readiness at Curtin Sarawak Malaysia (CSM). *Educational Research and Reviews*, 7(20), 430.
43. Shaikh, I. M., Qureshi, M. A., Noordin, K., Shaikh, J. M., Khan, A., & Shahbaz, M. S. (2020). Acceptance of Islamic financial technology (FinTech) banking services by Malaysian users: an extension of technology acceptance model. *foresight*, 22(3), 367-383.
44. Muniapan, B., & Shaikh, J. M. (2007). Lessons in corporate governance from Kautilya's Arthashastra in ancient India. *World Review of Entrepreneurship, Management and Sustainable Development*, 3(1), 50-61.
45. Bhasin, M. L., & Shaikh, J. M. (2013). Voluntary corporate governance disclosures in the annual reports: an empirical study. *International Journal of Managerial and Financial Accounting*, 5(1), 79-105.
46. Mamun, M. A., Shaikh, J. M., & Easmin, R. (2017). Corporate social responsibility disclosure in Malaysian business. *Academy of Strategic Management Journal*, 16(2), 29-47.



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

47. Karim, A. M., Shaikh, J. M., & Hock, O. Y. (2014). Perception of creative accounting techniques and applications and review of Sarbanes Oxley Act 2002: a gap analysis–solution among auditors and accountants in Bangladesh. *Port City International University Journal*, 1(2), 1-12.
48. Abdullah, A., Khadaroo, I., & Shaikh, J. (2009). Institutionalisation of XBRL in the USA and UK. *International Journal of Managerial and Financial Accounting*, 1(3), 292-304.
49. Khadaroo, I., & Shaikh, J. M. (2007). Corporate governance reforms in Malaysia: insights from institutional theory. *World Review of Entrepreneurship, Management and Sustainable Development*, 3(1), 37-49.
50. Bhasin, M. L., & Shaikh, J. M. (2013). Economic value added and shareholders' wealth creation: the portrait of a developing Asian country. *International Journal of Managerial and Financial Accounting*, 5(2), 107-137.
51. Asif, M. K., Junaid, M. S., Hock, O. Y., & Md Rafiqul, I. (2016). Solution of adapting creative accounting practices: an in depth perception gap analysis among accountants and auditors of listed companies. *Australian Academy of Accounting and Finance Review*, 2(2), 166-188.
52. Alappatt, M., & Shaikh, J. M. (2014). Forthcoming procedure of goods and service tax (GST) in Malaysia. *Issues in Business Management and Economics*, 2(12), 210-213.
53. Bhasin, M., & Shaikh, J. M. (2011). Intellectual capital disclosures in the annual reports: a comparative study of the Indian and Australian IT-corporations. *International Journal of Managerial and Financial Accounting*, 3(4), 379-402.
54. Onosakponome, O. F., Rani, N. S. A., & Shaikh, J. M. (2011). Cost benefit analysis of procurement systems and the performance of construction projects in East Malaysia. *Information management and business review*, 2(5), 181-192.
55. Asif, M. K., Junaid, M. S., Hock, O. Y., & Md Rafiqul, I. (2016). Creative Accounting: Techniques of Application-An Empirical Study among Auditors and Accountants of Listed Companies in Bangladesh. *Australian Academy of Accounting and Finance Review (AAAFR)*, 2(3).
56. Sylvester, D. C., Rani, N. S. A., & Shaikh, J. M. (2011). Comparison between oil and gas companies and contractors against cost, time, quality and scope for project success in Miri, Sarawak, Malaysia. *African Journal of Business Management*, 5(11), 4337.
57. Abdullah, A., Khadaroo, I., & Shaikh, J. M. (2008).



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

- A'macro'analysis of the use of XBRL. *International Journal of Managerial and Financial Accounting*, 1(2), 213-223.
58. Kangwa, D., Mwale, J. T., & Shaikh, J. M. (2021). The social production of financial inclusion of generation Z in digital banking ecosystems. *Australasian Accounting, Business and Finance Journal*, 15(3), 95-118.
59. Khadaroo, M. I., & Shaikh, J. M. (2003). Toward research and development costs harmonization. *The CPA Journal*, 73(9), 50.
60. Jais, M., Jakpar, S., Doris, T. K. P., & Shaikh, J. M. (2012). The financial ratio usage towards predicting stock returns in Malaysia. *International Journal of Managerial and Financial Accounting*, 4(4), 377-401.
61. Shaikh, J. M., & Jakpar, S. (2007). Dispelling and construction of social accounting in view of social audit. *Information Systems Control Journal*, 2(6).
62. Jakpar, S., Shaikh, J. M., Tinggi, M., & Jamali, N. A. L. (2012). Factors influencing entrepreneurship in small and medium enterprises (SMEs) among residents in Sarawak Malaysia. *International Journal of Entrepreneurship and Small Business*, 16(1), 83-101.
63. Sheng, Y. T., Rani, N. S. A., & Shaikh, J. M. (2011). Impact of SMEs character in the loan approval stage. *Business and Economics Research*, 1, 229-233.
64. Boubaker, S., Mefteh, S., & Shaikh, J. M. (2010). Does ownership structure matter in explaining derivatives' use policy in French listed firms. *International Journal of Managerial and Financial Accounting*, 2(2), 196-212.
65. Hla, D. T., bin Md Isa, A. H., & Shaikh, J. M. (2013). IFRS compliance and nonfinancial information in annual reports of Malaysian firms. *IUP Journal of Accounting Research & Audit Practices*, 12(4), 7.
66. Shaikh, J. M., Khadaroo, I., & Jasmon, A. (2003). *Contemporary Accounting Issues (for BAcc. Students)*. Prentice Hall.
67. SHAMIL, M. M., SHAIKH, J. M., HO, P., & KRISHNAN, A. (2022). External Pressures, Managerial Motive and Corporate Sustainability Strategy: Evidence from a Developing Economy. *Asian Journal of Accounting & Governance*, 18.
68. Kadir, S., & Shaikh, J. M. (2023, January). The effects of e-commerce businesses to small-medium enterprises: Media techniques and technology. In *AIP Conference Proceedings* (Vol. 2643, No. 1). AIP Publishing.
69. Ali Ahmed, H. J., Lee, T. L., & Shaikh, J. M. (2011). An investigation on asset allocation and performance measurement for unit trust funds in Malaysia using



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

- multifactor model: a post crisis period analysis. *International Journal of Managerial and Financial Accounting*, 3(1), 22-31.
70. Shaikh, J. M., & Linh, D. T. B. (2017). Using the TFP Model to Determine Impacts of Stock Market Listing on Corporate Performance of Agri- Foods Companies in Vietnam. *Journal of Corporate Accounting & Finance*, 28(3), 61-74.
71. Jakpar, S., Othman, M. A., & Shaikh, J. (2008). The Prospects of Islamic Banking and Finance: Lessons from the 1997 Banking Crisis in Malaysia. *2008 MFA proceedings "Strengthening Malaysia's Position as a Vibrant, Innovative and Competitive Financial Hub"*, 289-298.
72. Junaid, M. S., & Dinh Thi, B. L. (2016). Stock Market Listing Influence on Corporate Performance: Definitions and Assessment Tools.
73. Ghelani, D., Mathias, L., Ali, S. A., & Zafar, M. W. (2023). SENTIMENT ANALYSIS OF BIG DATA IN TOURISM BY BUSINESS INTELLIGENCE.
74. Ali, S. A. (2023). Navigating the Multi-Cluster Stretched Service Mesh: Benefits, Challenges, and Best Practices in Modern Distributed Systems Architecture. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, 7(3), 98-125.
75. Ali, S. A., & Zafar, M. W. (2023). Istio Service Mesh Deployment Pattern for On-Premises.
76. Ali, S. A., & Zafar, M. W. (2022). API GATEWAY ARCHITECTURE EXPLAINED. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, 6(4), 54-98.
77. Ali, S. A. (2020). NUMA-AWARE REAL-TIME WORKLOADS. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, 4(1), 36-61.
78. Ali, S. A. (2019). DESIGNING TELCO NFVI WITH OPENSTACK. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, 3(2), 35-70.
79. Ali, S. A. (2019). SR-IOV Low-Latency Prioritization. *PAKISTAN JOURNAL OF LINGUISTICS*, 1(4), 44-72.
80. Ali, S. A. (2017). OPENSTACK AND OVN INTEGRATION: EXPLORING THE ARCHITECTURE, BENEFITS, AND FUTURE OF VIRTUALIZED NETWORKING IN CLOUD ENVIRONMENTS. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, 1(4), 34-65.
81. Enoh, M. K. E., Ahmed, F., Muhammad, T., Yves, I., & Aslam, F. (2023). *Navigating Utopian Futures*. AJPO Journals USA LLC.



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

82. Muhammad, T., & Munir, M. (2023). Network Automation. *European Journal of Technology*, 7(2), 23-42.
83. Muhammad, T., Munir, M. T., Munir, M. Z., & Zafar, M. W. (2022). Integrative Cybersecurity: Merging Zero Trust, Layered Defense, and Global Standards for a Resilient Digital Future. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, 6(4), 99-135.
84. Muhammad, T., Munir, M. T., Munir, M. Z., & Zafar, M. W. (2018). Elevating Business Operations: The Transformative Power of Cloud Computing. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, 2(1), 1-21.
85. Yvan Jorel Ngaleu Ngoyi, & Elie Ngongang. (2023). Forex Daytrading Strategy: An Application of the Gaussian Mixture Model to Marginalized Currency pairs in Africa. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, 7(3), 149-191. Retrieved from <https://ijcst.com.pk/IJCST/article/view/279>
86. Muhammad, T. (2022). A Comprehensive Study on Software-Defined Load Balancers: Architectural Flexibility & Application Service Delivery in On-Premises Ecosystems. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, 6(1), 1-24.
87. Muhammad, T. (2019). Revolutionizing Network Control: Exploring the Landscape of Software-Defined Networking (SDN). *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, 3(1), 36-68.
88. Muhammad, T. (2021). Overlay Network Technologies in SDN: Evaluating Performance and Scalability of VXLAN and GENEVE. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, 5(1), 39-75.
89. Ranjbaran, A., Shabankareh, M., Nazarian, A., & Seyyedamiri, N. (2022). Branding through visitors: How cultural differences affect brand co-creation in independent hotels in Iran. *Consumer Behavior in Tourism and Hospitality*, 17(2), 161-179.
90. Nazarian, A., Atkinson, P., Foroudi, P., & Soares, A. (2021). Working together: Factors affecting the relationship between leadership and job satisfaction in Iranian HR departments. *Journal of General Management*, 46(3), 229-245.
91. Nazarian, A., Zaeri, E., Foroudi, P., Afrouzi, A. R., & Atkinson, P. (2022). Cultural perceptions of



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

- ethical leadership and its effect on intention to leave in the independent hotel industry. *International Journal of Contemporary Hospitality Management*, 34(1), 430-455.
92. Nazarian, A., Velayati, R., Foroudi, P., Edirisinghe, D., & Atkinson, P. (2021). Organizational justice in the hotel industry: revisiting GLOBE from a national culture perspective. *International Journal of Contemporary Hospitality Management*, 33(12), 4418-4438.
93. Nazarian, A., Atkinson, P., Foroudi, P., & Dennis, K. (2019). Finding the right management approach in independent hotels. *International Journal of Contemporary Hospitality Management*, 31(7), 2862-2883.
94. Ali, S. A. (2019). ENHANCING DIGITAL COMMUNICATION WITH MUTUAL TRANSPORT LAYER SECURITY (MTLS). *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, 3(3), 29-62.
95. Ali, S. A., & Zafar, M. W. (2021). RESILIENT RED HAT GLOBAL FILE SYSTEM (GFS) DESIGN. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, 5(2), 143-162.
96. Ali, S. A., & Zafar, M. W. (2022). Choosing between Kubernetes on Virtual Machines vs. Bare-Metal. *INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY*, 6(1), 119-142.
97. Ghelani, D. Securing the Future: Exploring the Convergence of Cybersecurity, Artificial Intelligence, and Advanced Technology.
98. Ghelani, D. Navigating the Complex Intersection of Cybersecurity, IoT, and Artificial Intelligence in the Era of Web 3.0.
99. Ali, S. A. (2023). DESIGNING SECURE AND ROBUST E-COMMERCE PLATFORM FOR PUBLIC CLOUD. *The Asian Bulletin of Big Data Management*, 3(1).
100. Iosifidis, P., & Nicoli, N. (2020). The battle to end fake news: A qualitative content analysis of Facebook announcements on how it combats disinformation. *International Communication Gazette*, 82(1), 60-81.
101. Nicoli, N. (2013). Social television, creative collaboration and television production: The case of the BBC's 'the virtual revolution'. *Handbook of Social Media Management: Value Chain and Business Models in Changing Media Markets*, 603-618.
102. Nicoli, N., & Papadopoulou, E. (2017). TripAdvisor and reputation: a case study of the hotel industry in Cyprus. *EuroMed Journal of Business*, 12(3), 316-334.
103. Iosifidis, P., & Nicoli, N. (2020). *Digital democracy, social*



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

- media and disinformation.* Routledge.
104. Nicoli, N. (2008). Digital television in Cyprus. *Digital Television in Europe, VUBPress*, 33-42.
105. Nicoli, N., Henriksen, K., Komodromos, M., & Tsagalas, D. (2022). Investigating digital storytelling for the creation of positively engaging digital content. *EuroMed Journal of Business*, 17(2), 157-173.
106. Nicoli, N. (2011). Creative Management, Technology and the BBC. In *Technology for Creativity and Innovation: Tools, Techniques and Applications* (pp. 285-301). IGI Global.
107. Nicoli, N., & Komodromos, M. (2013). Principles of Public Relations.
108. Nicoli, N. (2014). The role of public service broadcasting in Cyprus during a time of austerity. *Cyprus Review*, 26(1), 205-212.
109. Nicoli, N. (2012). BBC in-house production and the role of the window of creative competition. *Journal of Media Business Studies*, 9(4), 1-19.
110. Nicoli, N. (2012). BBC in-house production and the role of the window of creative competition. *Journal of Media Business Studies*, 9(4), 1-19.
111. Chaudhary, J. K., Sharma, H., Tadiboina, S. N., Singh, R., Khan, M. S., & Garg, A. (2023, March). Applications of Machine Learning in Viral Disease Diagnosis. In *2023 10th International Conference on Computing for Sustainable Global Development (INDIACom)* (pp. 1167-1172). IEEE.
112. Chaudhary, J. K., Sharma, H., Tadiboina, S. N., Singh, R., Khan, M. S., & Garg, A. (2023, March). Applications of Machine Learning in Viral Disease Diagnosis. In *2023 10th International Conference on Computing for Sustainable Global Development (INDIACom)* (pp. 1167-1172). IEEE.
113. Manikandan, N., Tadiboina, S. N., Khan, M. S., Singh, R., & Gupta, K. K. (2023, May). Automation of Smart Home for the Wellbeing of Elders Using Empirical Big Data Analysis. In *2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE)* (pp. 1164-1168). IEEE.
114. Khan, M. S., & Minhaj, S. A. (2021). Numerical Analysis Of De Laval Nozzle Under Surrounding Zone and Compressed Flow. *International Journal for Research in Applied Science and Engineering Technology*, 9(1), 98-105.
115. Teja Nallamothe, P., & Shais Khan, M. (2023). Machine Learning for SPAM Detection. *Asian Journal of Advances in Research*, 6(1), 167-179.



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

116. Khan, M. S. Control of Autonomous License Plate Recognition Drone in GPS Denied Parking Lot.
117. Bullemore Campbell, J., & Cristóbal Fransi, E. (2018). La gestión de los recursos humanos en las fuerzas de ventas, un estudio exploratorio a través del Método Delphi aplicado a las empresas peruanas.
118. Latha, K. H., Khan, K. A., Minhaj, S. A., & Khan, M. S. Design and Fatigue Analysis of Shot Peened Leaf Spring.
119. Khan, M. S., & Minhaj, S. A. Design and CFD Analysis of Surgical Instrument.
120. Foroudi, P., Marvi, R., & Nazarian, A. (2019). Whispering experience: Configuring the symmetrical and asymmetrical paths to travelers' satisfaction and passion. In *Place Branding: Connecting Tourist Experiences to Places*. Routledge.
121. Foroudi, P., Mauri, C., Dennis, C., & Melewar, T. C. (Eds.). (2019). *Place branding: Connecting tourist experiences to places*. Routledge.
122. Izadi, J., Foroudi, P., & Nazarian, A. (2021). Into the unknown: Impact of Coronavirus on UK hotel stock performance. *European Journal of International Management*.
123. Shabankareh, M., Nazarian, A., Seyyedamiri, N., Jandaghi, G., & Ranjbaran, A. (2022). Influential factors of loyalty and disloyalty of travellers towards traditional-resorts. *Anatolia*, 33(3), 362-373.
124. Izadi Zadeh Darjezi, J., Choudhury, H., & Nazarian, A. (2017). Simulation evidence on the properties of alternative measures of working capital accruals: new evidence from the UK. *International Journal of Accounting & Information Management*, 25(4), 378-394.
125. Kamalipoor, M., Akbari, M., Hejazi, S. R., & Nazarian, A. (2023). The vulnerability of technology-based business during COVID-19: an indicator-based conceptual framework. *Journal of Business & Industrial Marketing*, 38(5), 983-999.
126. Nazarian, A., & Atkinson, P. (2015). Organisational size as a moderator of the culture-effectiveness relationship: the case of the private sector in Iran. *Organizational Cultures*, 14(2), 1.
127. Shabankareh, M., Sarhadi, A., Hamzavi, J., Ranjbaran, A., Nazarian, A., & OSullivan, N. (2023). Effects of information and communication technology improvement on revisit intention during Covid-19 Edit Download. *Tourism and hospitality management*, 29(3), 455-470.
128. Mungoli, N. Enhancing Control and Responsiveness in ChatGPT: A Study on Prompt



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

- Engineering and Reinforcement Learning Techniques.
129. Mungoli, N. Advancements in Deep Learning: A Comprehensive Study of the Latest Trends and Techniques in Machine Learning.
130. Mungoli, N. Exploring the Ethical Implications of AI-powered Surveillance Systems.
131. Mungoli, N. Exploring the Ethical Implications of AI-powered Surveillance Systems.
132. Mungoli, N. Artificial Intelligence: A Path Towards Smarter Solutions.
133. Mungoli, N. Revolutionizing Industries: The Impact of Artificial Intelligence Technologies.
134. Mungoli, N. Exploring the Boundaries of Artificial Intelligence: Advances and Challenges.
135. Mungoli, N. Exploring the Frontiers of Reinforcement Learning: A Deep Dive into Optimal Decision Making.
136. Mungoli, N. Exploring the Advancements and Implications of Artificial Intelligence.
137. Mungoli, N. Unlocking the Potential of Deep Neural Networks: Progress and Obstacles. *future*, 9, 1.
138. Mungoli, Neelesh. (2023). Unlocking the Potential of Deep Neural Networks: Progress and Obstacles. 10.11648/j.ajai.2022060.10.
139. Wu, X., Bai, Z., Jia, J., & Liang, Y. (2020). A Multi-Variate Triple-Regression Forecasting Algorithm for Long-Term Customized Allergy Season Prediction. *arXiv preprint arXiv:2005.04557*.
140. Mungoli, Neelesh. (2023). Exploring the Frontier of Deep Neural Networks: Progress, Challenges, and Future Directions. 10.11648/j.ajai.2022060.11.
141. Mungoli, Neelesh. (2023). For wireless communication channels with local dispersion, a generalized array manifold model is used. 10.26739/2433-2024.
142. Mungoli, Neelesh. (2023). Adaptive Ensemble Learning: Boosting Model Performance through Intelligent Feature Fusion in Deep Neural Networks.
143. Mungoli, Neelesh. (2023). Deciphering the Blockchain: A Comprehensive Analysis of Bitcoin's Evolution, Adoption, and Future Implications.
144. Mungoli, Neelesh. (2023). Adaptive Feature Fusion: Enhancing Generalization in Deep Learning Models.
145. Mungoli, Neelesh. (2023). Adaptive Ensemble Learning: Boosting Model Performance through Intelligent Feature Fusion in Deep Neural Networks.
146. Mungoli, Neelesh. (2023). Exploring the Potential and Limitations of ChatGPT: A Comprehensive Analysis of GPT-4's Conversational AI Capabilities.



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

147. Mungoli, Neelesh. (2023). Exploring the Synergy of Prompt Engineering and Reinforcement Learning for Enhanced Control and Responsiveness in ChatGPT.
148. Mungoli, Neelesh. (2023). Enhancing Conversational Engagement and Understanding of Cryptocurrency with ChatGPT: An Exploration of Applications and Challenges.
149. Mungoli, Neelesh. (2023). HybridCoin: Unifying the Advantages of Bitcoin and Ethereum in a Next-Generation Cryptocurrency.
150. Mungoli, Neelesh. (2023). Deciphering the Blockchain: A Comprehensive Analysis of Bitcoin's Evolution, Adoption, and Future Implications.
151. Mungoli, Neelesh. (2023). Mastering Artificial Intelligence: Concepts, Algorithms, and Equations.
152. Mungoli, Neelesh. (2018). Multi-Modal Deep Learning in Heterogeneous Data Environments: A Complete Framework with Adaptive Fusion. 10.13140/RG.2.2.29819.59689.
153. Mungoli, Neelesh. (2019). Autonomous Resource Scaling and Optimization: Leveraging Machine Learning for Efficient Cloud Computing Management. 10.13140/RG.2.2.13671.52641.
154. Mungoli, N. (2023). Deciphering the Blockchain: A Comprehensive Analysis of Bitcoin's Evolution, Adoption, and Future Implications. arXiv preprint arXiv:2304.02655.
155. Mungoli, N. Exploring the Frontier of Deep Neural Networks: Progress, Challenges, and Future Directions. medicine, 1, 7.
156. Mungoli, N. (2023). Scalable, Distributed AI Frameworks: Leveraging Cloud Computing for Enhanced Deep Learning Performance and Efficiency. arXiv preprint arXiv:2304.13738.
157. Mungoli, N. (2023). Adaptive Ensemble Learning: Boosting Model Performance through Intelligent Feature Fusion in Deep Neural Networks. arXiv preprint arXiv:2304.02653.
158. Mungoli, N. (2023). Adaptive Feature Fusion: Enhancing Generalization in Deep Learning Models. arXiv preprint arXiv:2304.03290.
159. Ngaleu Ngoyi, Yvan Jorel & Ngongang, Elie. (2023). Stratégie en Daytrading sur le Forex: Une Application du Modèle de Mélange Gaussien aux Paires de Devises Marginalisées en Afrique.
160. Jorel, Yvan & Ngaleu Ngoyi, Yvan Jorel & Ngongang, Elie. (2023). Forex Daytrading Strategy : An Application of the Gaussian Mixture Model to Marginalized Currency pairs. 5. 1-44. 10.5281/zenodo.10051866.



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

161. Vyas, Bhuman. (2023). Java in Action : AI for Fraud Detection and Prevention. *International Journal of Scientific Research in Computer Science, Engineering and Information Technology*. 58-69. 10.32628/CSEIT239063.
162. Liang, Y., & Liang, W. (2023). ResWCAE: Biometric Pattern Image Denoising Using Residual Wavelet-Conditioned Autoencoder. *arXiv preprint arXiv:2307.12255*.
163. Liang, Y., Liang, W., & Jia, J. (2023). Structural Vibration Signal Denoising Using Stacking Ensemble of Hybrid CNN-RNN. *arXiv e-prints*, arXiv-2303.
164. Fish, R., Liang, Y., Saleeby, K., Spirnak, J., Sun, M., & Zhang, X. (2019). Dynamic characterization of arrows through stochastic perturbation. *arXiv preprint arXiv:1909.08186*.
165. Liang, W., Liang, Y., & Jia, J. (2023). MiAMix: Enhancing Image Classification through a Multi-Stage Augmented Mixed Sample Data Augmentation Method. *Processes*, 11(12), 3284.
166. Mahmood, Tahir & Fulmer, Willis & Mungoli, Neelesh & Huang, Jian & Lu, Aidong. (2019). Improving Information Sharing and Collaborative Analysis for Remote GeoSpatial Visualization Using Mixed Reality. 236-247. 10.1109/ISMAR.2019.00021.
167. Mungoli, Neelesh. (2023). Exploring the Frontier of Deep Neural Networks: Progress, Challenges, and Future Directions. 10.11648/j.ajai.2022060.08.
168. Bharadiya, J. P., Tzenios, N. T., & Reddy, M. (2023). Forecasting of crop yield using remote sensing data, agrarian factors and machine learning approaches. *Journal of Engineering Research and Reports*, 24(12), 29-44.
169. Yang, L., Wang, R., Zhou, Y., Liang, J., Zhao, K., & Burleigh, S. C. (2022). An Analytical Framework for Disruption of Licklider Transmission Protocol in Mars Communications. *IEEE Transactions on Vehicular Technology*, 71(5), 5430-5444.
170. Yang, L., Wang, R., Liu, X., Zhou, Y., Liu, L., Liang, J., ... & Zhao, K. (2021). Resource Consumption of a Hybrid Bundle Retransmission Approach on Deep-Space Communication Channels. *IEEE Aerospace and Electronic Systems Magazine*, 36(11), 34-43.
171. Liang, J., Wang, R., Liu, X., Yang, L., Zhou, Y., Cao, B., & Zhao, K. (2021, July). Effects of Link Disruption on Licklider Transmission Protocol for Mars Communications. In *International Conference on Wireless and Satellite Systems* (pp. 98-108). Cham: Springer International Publishing.



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

172. Liang, J., Liu, X., Wang, R., Yang, L., Li, X., Tang, C., & Zhao, K. (2023). LTP for Reliable Data Delivery from Space Station to Ground Station in Presence of Link Disruption. *IEEE Aerospace and Electronic Systems Magazine*.
173. Yang, L., Liang, J., Wang, R., Liu, X., De Sanctis, M., Burleigh, S. C., & Zhao, K. (2023). A Study of Licklider Transmission Protocol in Deep-Space Communications in Presence of Link Disruptions. *IEEE Transactions on Aerospace and Electronic Systems*.
174. Yang, L., Wang, R., Liang, J., Zhou, Y., Zhao, K., & Liu, X. (2022). Acknowledgment Mechanisms for Reliable File Transfer Over Highly Asymmetric Deep-Space Channels. *IEEE Aerospace and Electronic Systems Magazine*, 37(9), 42-51.
175. Zhou, Y., Wang, R., Yang, L., Liang, J., Burleigh, S. C., & Zhao, K. (2022). A Study of Transmission Overhead of a Hybrid Bundle Retransmission Approach for Deep-Space Communications. *IEEE Transactions on Aerospace and Electronic Systems*, 58(5), 3824-3839.
176. Yang, L., Wang, R., Liu, X., Zhou, Y., Liang, J., & Zhao, K. (2021, July). An Experimental Analysis of Checkpoint Timer of Licklider Transmission Protocol for Deep-Space Communications. In *2021 IEEE 8th International Conference on Space Mission Challenges for Information Technology (SMC-IT)* (pp. 100-106). IEEE.
177. Zhou, Y., Wang, R., Liu, X., Yang, L., Liang, J., & Zhao, K. (2021, July). Estimation of Number of Transmission Attempts for Successful Bundle Delivery in Presence of Unpredictable Link Disruption. In *2021 IEEE 8th International Conference on Space Mission Challenges for Information Technology (SMC-IT)* (pp. 93-99). IEEE.
178. Liang, J. (2023). *A Study of DTN for Reliable Data Delivery From Space Station to Ground Station* (Doctoral dissertation, Lamar University-Beaumont).
179. Ali, S. A. (2023). DESIGNING SECURE AND ROBUST E-COMMERCE PLATFORM FOR PUBLIC CLOUD. *The Asian Bulletin of Big Data Management*, 3(1).
180. Mungoli, N. Enhancing Control and Responsiveness in ChatGPT: A Study on Prompt Engineering and Reinforcement Learning Techniques.
181. Mungoli, N. Advancements in Deep Learning: A Comprehensive Study of the Latest Trends and Techniques in Machine Learning.
182. Mungoli, N. Exploring the Ethical Implications of AI-powered Surveillance Systems.



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

183. Mungoli, N. Exploring the Ethical Implications of AI-powered Surveillance Systems.
184. Mungoli, N. Artificial Intelligence: A Path Towards Smarter Solutions.
185. Mungoli, N. Revolutionizing Industries: The Impact of Artificial Intelligence Technologies.
186. Mungoli, N. Exploring the Boundaries of Artificial Intelligence: Advances and Challenges.
187. Mungoli, N. Exploring the Frontiers of Reinforcement Learning: A Deep Dive into Optimal Decision Making.
188. Mungoli, N. Exploring the Advancements and Implications of Artificial Intelligence.
189. Mungoli, N. Unlocking the Potential of Deep Neural Networks: Progress and Obstacles. future, 9, 1.
190. Mungoli, Neelesh. (2023). Unlocking the Potential of Deep Neural Networks: Progress and Obstacles. 10.11648/j.ajai.2022060.10.
191. Mungoli, Neelesh. (2023). Exploring the Frontier of Deep Neural Networks: Progress, Challenges, and Future Directions. 10.11648/j.ajai.2022060.11.
192. Mungoli, Neelesh. (2023). For wireless communication channels with local dispersion, a generalized array manifold model is used. 10.26739/2433-2024.
193. Mungoli, Neelesh. (2023). Adaptive Ensemble Learning: Boosting Model Performance through Intelligent Feature Fusion in Deep Neural Networks.
194. Mungoli, Neelesh. (2023). Deciphering the Blockchain: A Comprehensive Analysis of Bitcoin's Evolution, Adoption, and Future Implications.
195. Mungoli, Neelesh. (2023). Adaptive Feature Fusion: Enhancing Generalization in Deep Learning Models.
196. Mungoli, Neelesh. (2023). Adaptive Ensemble Learning: Boosting Model Performance through Intelligent Feature Fusion in Deep Neural Networks.
197. Mungoli, Neelesh. (2023). Exploring the Potential and Limitations of ChatGPT: A Comprehensive Analysis of GPT-4's Conversational AI Capabilities.
198. Mungoli, Neelesh. (2023). Exploring the Synergy of Prompt Engineering and Reinforcement Learning for Enhanced Control and Responsiveness in ChatGPT.
199. Mungoli, Neelesh. (2023). Enhancing Conversational Engagement and Understanding of Cryptocurrency with ChatGPT: An Exploration of Applications and Challenges.
200. Mungoli, Neelesh. (2023). HybridCoin: Unifying the Advantages of Bitcoin and Ethereum in a Next-Generation Cryptocurrency.



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

201. Mungoli, Neelesh. (2023). Deciphering the Blockchain: A Comprehensive Analysis of Bitcoin's Evolution, Adoption, and Future Implications.
202. Mungoli, Neelesh. (2023). Mastering Artificial Intelligence: Concepts, Algorithms, and Equations.
203. Mungoli, Neelesh. (2018). Multi-Modal Deep Learning in Heterogeneous Data Environments: A Complete Framework with Adaptive Fusion. 10.13140/RG.2.2.29819.59689.
204. Mungoli, Neelesh. (2019). Autonomous Resource Scaling and Optimization: Leveraging Machine Learning for Efficient Cloud Computing Management. 10.13140/RG.2.2.13671.52641.
205. Mungoli, N. (2023). Leveraging AI and Technology to Address the Challenges of Underdeveloped Countries. INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY, 7(2), 214-234.
206. Mungoli, N. (2023). Exploring the Synergy of Prompt Engineering and Reinforcement Learning for Enhanced Control and Responsiveness in ChatGPT. INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY, 7(2), 195-213.
207. Mungoli, N. (2023). Hybrid Coin: Unifying the Advantages of Bitcoin and Ethereum in a Next-Generation Cryptocurrency. INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY, 7(2), 235-250.
208. Mungoli, N. (2023). Intelligent Insights: Advancements in AI Research. International Journal of Computer Science and Technology, 7(2), 251-273.
209. Mungoli, N. (2023). Intelligent Insights: Advancements in AI Research. International Journal of Computer Science and Technology, 7(2), 251-273.
210. Mungoli, N. (2023). Deciphering the Blockchain: A Comprehensive Analysis of Bitcoin's Evolution, Adoption, and Future Implications. arXiv preprint arXiv:2304.02655.
211. Mungoli, N. Exploring the Frontier of Deep Neural Networks: Progress, Challenges, and Future Directions. medicine, 1, 7.
212. Mungoli, N. (2023). Scalable, Distributed AI Frameworks: Leveraging Cloud Computing for Enhanced Deep Learning Performance and Efficiency. arXiv preprint arXiv:2304.13738.
213. Mungoli, N. (2023). Adaptive Ensemble Learning: Boosting Model Performance through Intelligent Feature Fusion in Deep Neural Networks. arXiv preprint arXiv:2304.02653.
214. Mungoli, N. (2023). Adaptive Feature Fusion: Enhancing Generalization in Deep Learning



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

- Models. arXiv preprint arXiv:2304.03290.
215. Z. Said, P. Sharma, Q. T. B. Nhung, B. J Bora, E. Lichtfouse, H. M. Khalid, R. Luque, X. P. Nguyen, and A. T. Hoang, 'Intelligent Approaches for Sustainable Management and Valorisation of Food Waste,' *El Sevier – Bioresource Technology*, vol. 377, pp. 128952, June 2023.
216. Ngaleu Ngoyi, Yvan Jorel & Ngongang, Elie. (2023). Stratégie en Daytrading sur le Forex: Une Application du Modèle de Mélange Gaussien aux Paires de Devises Marginalisées en Afrique.
217. Ngaleu Ngoyi, Yvan Jorel & Ngongang, Elie. (2023). Forex Daytrading Strategy : An Application of the Gaussian Mixture Model to Marginalized Currency pairs. 5. 1-44. 10.5281/zenodo.10051866.
218. Vyas, Bhuman. (2023). Java in Action : AI for Fraud Detection and Prevention. *International Journal of Scientific Research in Computer Science, Engineering and Information Technology*. 58-69. 10.32628/CSEIT239063.
219. Liang, Y., & Liang, W. (2023). ResWCAE: Biometric Pattern Image Denoising Using Residual Wavelet-Conditioned Autoencoder. *arXiv preprint arXiv:2307.12255*.
220. Liang, Y., Liang, W., & Jia, J. (2023). Structural Vibration Signal Denoising Using Stacking Ensemble of Hybrid CNN-RNN. *arXiv e-prints*, arXiv-2303.
221. Fish, R., Liang, Y., Saleeby, K., Spirnak, J., Sun, M., & Zhang, X. (2019). Dynamic characterization of arrows through stochastic perturbation. *arXiv preprint arXiv:1909.08186*.
222. Wu, X., Bai, Z., Jia, J., & Liang, Y. (2020). A Multi-Variate Triple-Regression Forecasting Algorithm for Long-Term Customized Allergy Season Prediction. *arXiv preprint arXiv:2005.04557*.
223. Liang, W., Liang, Y., & Jia, J. (2023). MiAMix: Enhancing Image Classification through a Multi-Stage Augmented Mixed Sample Data Augmentation Method. *Processes*, 11(12), 3284.
224. Aziz, N., & Aftab, S. (2021). Data Mining Framework for Nutrition Ranking: Methodology: SPSS Modeller. *International Journal of Technology, Innovation and Management (IJTIM)*, 1(1), 85-95.
225. Radwan, N., & Farouk, M. (2021). The Growth of Internet of Things (IoT) In The Management of Healthcare Issues and Healthcare Policy Development. *International Journal of Technology, Innovation and Management (IJTIM)*, 1(1), 69-84.
226. Cruz, A. (2021). Convergence between Blockchain and the Internet of



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

- Things. International Journal of Technology, Innovation and Management (IJTIM), 1(1), 34-53.
227. Lee, C., & Ahmed, G. (2021). Improving IoT Privacy, Data Protection and Security Concerns. International Journal of Technology, Innovation and Management (IJTIM), 1(1), 18-33.
228. Alzoubi, A. A. (2021) The impact of Process Quality and Quality Control on Organizational Competitiveness at 5-star hotels in Dubai. International Journal of Technology, Innovation and Management (IJTIM). 1(1), 54-68
229. Al Ali, A. (2021). The Impact of Information Sharing and Quality Assurance on Customer Service at UAE Banking Sector. International Journal of Technology, Innovation and Management (IJTIM), 1(1), 01-17.
230. Kashif, A. A., Bakhtawar, B., Akhtar, A., Akhtar, S., Aziz, N., & Javeid, M. S. (2021). Treatment Response Prediction in Hepatitis C Patients using Machine Learning Techniques. International Journal of Technology, Innovation and Management (IJTIM), 1(2), 79-89.
231. Akhtar, A., Akhtar, S., Bakhtawar, B., Kashif, A. A., Aziz, N., & Javeid, M. S. (2021). COVID-19 Detection from CBC using Machine Learning Techniques. International Journal of Technology, Innovation and Management (IJTIM), 1(2), 65-78.
232. Eli, T. (2021). Students Perspectives on the Use of Innovative and Interactive Teaching Methods at the University of Nouakchott Al Aasriya, Mauritania: English Department as a Case Study. International Journal of Technology, Innovation and Management (IJTIM), 1(2), 90-104.
233. Alsharari, N. (2021). Integrating Blockchain Technology with Internet of things to Efficiency. International Journal of Technology, Innovation and Management (IJTIM), 1(2), 01-13.
234. Mehmood, T. (2021). Does Information Technology Competencies and Fleet Management Practices lead to Effective Service Delivery? Empirical Evidence from E-Commerce Industry. International Journal of Technology, Innovation and Management (IJTIM), 1(2), 14-41.
235. Miller, D. (2021). The Best Practice of Teach Computer Science Students to Use Paper Prototyping. International Journal of Technology, Innovation and Management (IJTIM), 1(2), 42-63.
236. Janakiraman, N., Bullemore, J., Valenzuela-Fernández, L., & Jaramillo, J. F. (2019). Listening and perseverance—two sides to a coin in quality evaluations. *Journal of Consumer Marketing*, 36(1), 72-81.
237. Khan, M. A. (2021). Challenges Facing the Application of



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

- IoT in Medicine and Healthcare. International Journal of Computations, Information and Manufacturing (IJCIM), 1(1): 39-55. <https://doi.org/10.54489/ijcim.v1i1.32>
238. Mondol, E. P. (2021). The Impact of Block Chain and Smart Inventory System on Supply Chain Performance at Retail Industry. International Journal of Computations, Information and Manufacturing (IJCIM), 1(1): 56-76. <https://doi.org/10.54489/ijcim.v1i1.30>
239. Guergov, S., & Radwan, N. (2021). Blockchain Convergence: Analysis of Issues Affecting IoT, AI and Blockchain. International Journal of Computations, Information and Manufacturing (IJCIM), 1(1): 1-17. <https://doi.org/10.54489/ijcim.v1i1.48>
240. Alzoubi, A. H. (2021). Renewable Green hydrogen energy impact on sustainability performance. International Journal of Computations, Information and Manufacturing (IJCIM), 1(1): 94-105. <https://doi.org/10.54489/ijcim.v1i1.46>
241. Farouk, M. (2021). The Universal Artificial Intelligence Efforts to Face Coronavirus COVID-19. International Journal of Computations, Information and Manufacturing (IJCIM), 1(1): 77-93. <https://doi.org/10.54489/ijcim.v1i1.47>
242. Obaid, A. J. (2021). Assessment of Smart Home Assistants as an IoT. International Journal of Computations, Information and Manufacturing (IJCIM), 1(1): 18-38. <https://doi.org/10.54489/ijcim.v1i1.34>
243. Victoria, V. (2022). IMPACT OF PROCESS VISIBILITY AND WORK STRESS TO IMPROVE SERVICE QUALITY: EMPIRICAL EVIDENCE FROM DUBAI RETAIL INDUSTRY. International Journal of Technology, Innovation and Management (IJTIM), 2(1).
244. Campbell, J. B., & Tautiva, J. D. (2023). Was Covid-19 the end of B2B sales as we know it? Understanding the New Skills and Competencies of the B2B Salesperson After a Disruption Event such as Covid-19. *International Journal of Professional Business Review: Int. J. Prof. Bus. Rev.*, 8(7), 58.
245. Eli, T., & Hamou, L. A. S. (2022). INVESTIGATING THE FACTORS THAT INFLUENCE STUDENTS CHOICE OF ENGLISH STUDIES AS A MAJOR: THE CASE OF UNIVERSITY OF NOUAKCHOTT AL AASRIYA, MAURITANIA. International Journal of Technology, Innovation and Management (IJTIM), 2(1).



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

246. Kasem, J., & Al-Gasaymeh, A. (2022). A COINTEGRATION ANALYSIS FOR THE VALIDITY OF PURCHASING POWER PARITY: EVIDENCE FROM MIDDLE EAST COUNTRIES. *International Journal of Technology, Innovation and Management (IJTIM)*, 2(1).
247. Qasaimeh, G. M., & Jaradeh, H. E. (2022). THE IMPACT OF ARTIFICIAL INTELLIGENCE ON THE EFFECTIVE APPLYING OF CYBER GOVERNANCE IN JORDANIAN COMMERCIAL BANKS. *International Journal of Technology, Innovation and Management (IJTIM)*, 2(1).
248. Ahmed, G., & Al Amiri, N. (2022). THE TRANSFORMATIONAL LEADERSHIP OF THE FOUNDING LEADERS OF THE UNITED ARAB EMIRATES: SHEIKH ZAYED BIN SULTAN AL NAHYAN AND SHEIKH RASHID BIN SAEED AL MAKTOUM. *International Journal of Technology, Innovation and Management (IJTIM)*, 2(1).
249. Alsharari, N. (2022). THE IMPLEMENTATION OF ENTERPRISE RESOURCE PLANNING (ERP) IN THE UNITED ARAB EMIRATES: A CASE OF MUSANADA CORPORATION. *International Journal of Technology, Innovation and Management (IJTIM)*, 2(1).
250. Alzoubi, A. H. (2022). MACHINE LEARNING FOR INTELLIGENT ENERGY CONSUMPTION IN SMART HOMES. *International Journal of Computations, Information and Manufacturing (IJCIM)*, 2(1): 62-75. <https://doi.org/10.54489/ijcim.v2i1.75>
251. Bullemore, J., Palomino-Tamayo, W., & Wakabayashi Muroya, J. L. (2022). Attributional triadic relationships between end-users, specifiers, and vendors: Evidence from building supply retailers.
252. Ratkovic, N. (2022). IMPROVING HOME SECURITY USING BLOCKCHAIN. *International Journal of Computations, Information and Manufacturing (IJCIM)*, 2(1).
253. Farouk, M. (2022). STUDYING HUMAN ROBOT INTERACTION AND ITS CHARACTERISTICS. *International Journal of Computations, Information and Manufacturing (IJCIM)*, 2(1).
254. Radwan, N. (2022). THE INTERNET'S ROLE IN UNDERMINING THE CREDIBILITY OF THE HEALTHCARE INDUSTRY. *International Journal of Computations, Information and Manufacturing (IJCIM)*, 2(1).
255. Mondol, E. P. (2022). THE ROLE OF VR GAMES TO



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

- MINIMIZE THE OBESITY OF VIDEO GAMERS. International Journal of Computations, Information and Manufacturing (IJCIM), 2(1).
256. Butt, S. M. (2022). Management and Treatment of Type 2 Diabetes. International Journal of Computations, Information and Manufacturing (IJCIM), 2(1).
257. Solfa, F. D. G. (2022). Impacts of Cyber Security and Supply Chain Risk on Digital Operations: Evidence from the Pharmaceutical Industry. International Journal of Technology, Innovation and Management (IJTIM), 2(2).
258. Nasim, S. F., Ali, M. R., & Kulsoom, U. (2022). Artificial Intelligence Incidents & Ethics A Narrative Review. International Journal of Technology, Innovation and Management (IJTIM), 2(2).
259. Amrani, A. Z., Urquia, I., & Vallespir, B. (2022). Industry 4.0 technologies and Lean Production Combination: A Strategic Methodology Based on Links Quantification. International Journal of Technology, Innovation and Management (IJTIM), 2(2).
260. Akhtar, A., Bakhtawar, B., & Akhtar, S. (2022). EXTREME PROGRAMMING VS SCRUM: A COMPARISON OF AGILE MODELS. International Journal of Technology, Innovation and Management (IJTIM), 2(2).
261. Ghosh, S., & Aithal, P. S. (2022). BEHAVIOUR OF INVESTMENT RETURNS IN THE DISINVESTMENT ENVIRONMENT: THE CASE OF POWER INDUSTRY IN INDIAN CPSEs. International Journal of Technology, Innovation and Management (IJTIM), 2(2).
262. Gorla, S. (2022). A deck of cards to help track design trends to assist the creation of new products. International Journal of Technology, Innovation and Management (IJTIM), 2(2).
263. Tellez Gaytan, J.C., (2022) A LITERATURE SURVEY OF SECURITY AND PRIVACY ISSUES IN INTERNET OF MEDICAL THINGS. International Journal of Computations, Information and Manufacturing (IJCIM), 2(2).
264. Guergov, S. (2022) INVESTIGATING E-SUPPLY CHAIN ISSUES IN INTERNET OF MEDICAL THINGS (IOMT): EVIDENCE FROM THE HEALTHCARE. International Journal of Computations, Information and Manufacturing (IJCIM), 2(2).
265. Rawat, R. (2022) A SYSTEMATIC REVIEW OF BLOCKCHAIN TECHNOLOGY USE IN E-SUPPLY CHAIN IN INTERNET OF MEDICAL THINGS (IOMT). International Journal of Computations,



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

- Information and Manufacturing (IJCIM), 2(2).
266. SRAIDI, N. (2022) STAKEHOLDERS' PERSPECTIVES ON WEARABLE INTERNET OF MEDICAL THINGS PRIVACY AND SECURITY. International Journal of Computations, Information and Manufacturing (IJCIM), 2(2).
267. Bouriche, A. (2022) A SYSTEMATIC REVIEW ON SECURITY VULNERABILITIES TO PREVENY TYPES OF ATTACKS IN IOMT. International Journal of Computations, Information and Manufacturing (IJCIM), 2(2).
268. Karam, A. (2022) INVESTIGATING THE IMPORTANCE OF ETHICS AND SECURITY ON INTERNET OF MEDICAL THINGS (IoMT). International Journal of Computations, Information and Manufacturing (IJCIM), 2(2).
269. El Khatib, M., Alzoubi, H. M., Hamidi, S., Alshurideh, M., Baydoun, A., & Al-Nakeeb, A. (2023). Impact of Using the Internet of Medical Things on e-Healthcare Performance: Blockchain Assist in Improving Smart Contract. ClinicoEconomics and Outcomes Research, 397-411.
270. Salahat, M., Ali, L., Ghazal, T. M., & Alzoubi, H. M. (2023). Personality Assessment Based on Natural Stream of Thoughts Empowered with Machine Learning. Computers, Materials & Continua, 76(1).
271. Alshurideh, M. T., Al Kurdi, B., Alzoubi, H. M., Akour, I. A., Hamadneh, S., Alhamad, A., & Joghee, S. (2023). Factors affecting customer-supplier electronic relationship (ER): A customers' perspective. International Journal of Engineering Business Management, 15, 18479790231188242.
272. Lee, K. L., Wong, S. Y., Alzoubi, H. M., Al Kurdi, B., Alshurideh, M. T., & El Khatib, M. (2023). Adopting smart supply chain and smart technologies to improve operational performance in manufacturing industry. International Journal of Engineering Business Management, 15, 18479790231200614.
273. Al-Gharaibeh, S., Hijazi, H. A., Alzoubi, H. M., Abdalla, A. A., Khamash, L. S., & Kalbouneh, N. Y. (2023). The Impact of E-learning on the Feeling of Job Alienation among Faculty Members in Jordanian Universities. ABAC Journal, 43(4), 303-317.
274. Al Kurdi, B., Alshurideh, M. T., Akour, I., Alzoubi, H. M., Obeidat, Z. M., Hamadneh, S., & Joghee, S. (2023). Factors affecting team social networking and performance: The moderation effect of team size and tenure. Journal of Open Innovation: Technology,



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

- Market, and Complexity, 9(2), 100047.
275. Alshurideh, M. T., Al Kurdi, B., Alzoubi, H. M., Akour, I., Obeidat, Z. M., & Hamadne, S. (2023). Factors affecting employee social relations and happiness: SM-PLUS approach. *Journal of Open Innovation: Technology, Market, and Complexity*, 9(2), 100033.
276. Li, B., Mousa, S., Reinoso, J. R. R., Alzoubi, H. M., Ali, A., & Hoang, A. D. (2023). The role of technology innovation, customer retention and business continuity on firm performance after post-pandemic era in China's SMEs. *Economic Analysis and Policy*, 78, 1209-1220.
277. Sisodia, S., & Rocque, S. R. (2023). Underpinnings of gender bias within the context of work-life balance.
278. Rocque, S. R. (2022). Evaluating the effectiveness of mobile applications in enhancing learning and development. *International Journal of Innovative Technologies in Social Science*, (3 (35)).
279. Rocque, S. R. (2022). Conceptual Foundations of Emerging and Mobile Technologies, ICT-Enabled Training, and Traditional Methods for Examinations in the Indian Civil Service. *International Journal of Social Science Research and Review*, 5(10), 372-380.
280. Sisodia, N. S., & Rocque, S. R. (2022). Enhancing the Competitiveness of Education and Training through Flawless Project Management. *INTERNATIONAL JOURNAL OF INCLUSIVE AND SUSTAINABLE EDUCATION*, 1(5), 62-68.
281. Joshi, C., & Rocque, S. R. (2022). Technology-Based Training: Empowering Workplace Ownership and Accountability. *INTERNATIONAL JOURNAL OF INCLUSIVE AND SUSTAINABLE EDUCATION*, 1(6), 29-35.
282. Rocque, S. R. (2022). A Multivariate Analysis of Technology and Education in the 21st Century: Antecedents and Determinants.
283. Rocque, D. S. R. (2022). Knowledge Development, Technology Exchange and Communication Skills. *Technology Exchange and Communication Skills (September 10, 2022)*.
284. Rocque, D. S. R. (2022). Integrating Cutting-Edge Technologies Into Learning and Development to Enhance Innovation. *Available at SSRN 4215019*.
285. Rocque, D. S. R. (2022). The Intersection of Branding and Communication: A Holistic Approach. *Available at SSRN 4215023*.
286. Nair, S. (2023). The Green Revolution of Cloud Computing:



Journal Of Environmental Sciences And Technology

Volume No: 02 Issue No: 01 (2023)

Harnessing Resource Sharing, Scalability, and Energy-Efficient Data Center Practices.

287. Rocque, S. R. Technology is a means by which Asia's rural and agricultural economies can overcome pandemic challenges Sarvesh Raj Rocque. *PhD Training Specialist, Amity University-AUMP*.
288. Bharadiya, J. P., Tzenios, N. T., & Reddy, M. (2023). Forecasting of crop yield using remote sensing data, agrarian factors and machine learning approaches. *Journal of Engineering Research and Reports*, 24(12), 29-44.
289. Nair, S. (2023). BEYOND THE CLOUD-UNRAVELING THE BENEFITS OF EDGE COMPUTING IN IOT. *INTERNATIONAL JOURNAL OF COMPUTER ENGINEERING & TECHNOLOGY*, 14, 91-97.