

**2023 – 2024**

**Journal publications**

1. Kondisetty Kavitha et al., "Simplest and Robust Cipher Text Generation by Using Splitting and Merging Techniques," International Journal of Creative Research Thoughts (IJCRT), vol. 12, no. 2, February 2024.
2. Kondisetty Kavitha et al., "Cyber Threat Analysis in Supply Chain Management Using Ensemble Model," Journal of Engineering Sciences, vol. 15, no. 7, July 2024.
3. Mr. V. Chandrasekhar and Kakarla N. Naveen, "Driver Fatigue Detection Through Visual Behaviour Analysis with SVM Integration," Journal of Engineering Sciences, vol. 15, no. 8, 2024.
4. Mr. V. Chandrasekhar and S. D. Chinna Moula, "Financial Complaints and Severity Identification from Online Financial Content," Journal of Engineering Sciences, vol. 15, no. 8, 2024.
5. Mr. V. Chandrasekhar and Ch. Sri Vardhan, "Machine and Deep Learning Techniques for Car Model Prediction Based on Vehicle Patterns," Journal of Engineering Sciences, vol. 15, no. 8, 2024.
6. Mr. V. Chandrasekhar and Y. Saiprasanth, "Android Based Student Grievance Handling System," Journal of Engineering Sciences, vol. 15, no. 8, 2024.
7. Mr. Dadi Venkata Varaprasad et al., "Citizen Perspectives on Government Policy," Journal of Engineering Sciences, vol. 15, no. 8, 2024.
8. Mr. Dadi Venkata Varaprasad et al., "Smart Control of Traffic Lights Using AI," Journal of Engineering Sciences, vol. 15, no. 8, 2024.
9. Mr. Dadi Venkata Varaprasad et al., "Semi-Supervised Machine Learning Approach for DDoS Detection," Journal of Engineering Sciences, vol. 15, no. 8, 2024.
10. Mr. D. V. Varaprasad et al., "Enforcing Blockchain-Based Secure Scheme for Protecting," Journal of Engineering Sciences, vol. 15, no. 8, 2024.
11. Dr. U. Thirupalu et al., "New Era of Micro Cipher Algorithm (MCA): Cipher Text for Any Length of Plaintext," International Journal on Recent and Innovation Trends in Computing and Communication, vol. 11, no. 10, 2023.
12. Dr. U. Thirupalu and S.K. Nazeer, "Iris Registration and Recognition System," Journal of Engineering Sciences, vol. 14, no. 8, 2023.
13. Dr. U. Thirupalu and A. Udaya Kiran, "Farming Made Easy for Farmers Using Machine Learning," Journal of Engineering Sciences, vol. 14, no. 7, 2023.
14. Dr. U. Thirupalu and A. Vamsi, "Securing Cloud Data Under Key Exposure," Journal of Engineering Sciences, vol. 14, no. 7, 2023.

15. G. Pranay Kumar, P. Sruthi, and Rifath Anjum Shaik, "Design of Multi-Hazard Resistant and Smart Civil Engineering Structures for Next Generation."
16. G. Pranay Kumar, G. Manoj Kumar, and D. Sudharshan, "Progressive Collapse Resisting Mechanisms of Reinforced Concrete with FRP Rebars."
17. G. Pranay Kumar, G. Manoj Kumar, and V. Sai Krishna Reddy, "Implementation and Treatment of Cement Grout Mixture for Underground Cavities."
18. G. Pranay Kumar and S. M. Kaleem, "Piezoelectric PVDF Sensors for Load Monitoring of Engineering Structures."
19. G. Rajesh, "Utilizing Machine Learning-Based Reverse Engineering Techniques to Identify Malware on Mobile Devices Within Android Applications," JETIR, vol. 11, no. 06, JETIR2406840.
20. B. Haribabu and B. Sravanthi, "Generating Cloud Monitors from Models to Secure Clouds," Journal of Engineering Sciences, vol. 14, no. 8, 2023.
21. B. Haribabu and G. Sai Keerthi, "Securing Location Data Using Machine Learning Techniques," Journal of Engineering Sciences, vol. 14, no. 8, 2023.
22. B. Haribabu and P. Vilasitha, "Data Security in Industrial IoT Platforms for Smart City: A Secure and Fine-Grained Scheme," Journal of Engineering Sciences, vol. 14, no. 7, 2023.
23. B. Haribabu and Matle Mahesh, "Design of Yoga Posture Coaching System Using Artificial Intelligence," Journal of Engineering Sciences, vol. 14, no. 8, 2023.
24. B. Haribabu and D. Mahendra, "Enhancing Security Using Dual Server Key Authentication Encryption with Keyword Search," Journal of Engineering Sciences, vol. 14, no. 8, 2023.
25. B. Haribabu and Malli Chenchaiyah, "Classification of Plant Seedlings Using Deep CNN Architectures," Journal of Engineering Sciences, vol. 14, no. 8, 2023.
26. K. Nishitha and M. Jalajakshi, "Bank Customer Churn Prediction Using Machine Learning Techniques," Journal of Engineering Sciences, vol. 15, no. 8, ISSN 0377-9254, 2024.
27. K. Nishitha and P. Yamani, "Alzheimer's Disease Prediction Using Machine Learning," Journal of Engineering Sciences, vol. 15, no. 8, ISSN 0377-9254, 2024.
28. K. Nishitha and P. Bhanu Tejaswini, "Automatic Billing Trolley for Enhanced Supermarket Experience Using RFID," Journal of Engineering Sciences, vol. 15, no. 7, ISSN 0377-9254, 2024.
29. K. Nishitha and P. Usha, "Real-Time Detection of Application-Based Attacks Through Behavioral Modeling," Journal of Engineering Sciences, vol. 15, no. 7, ISSN 0377-9254, 2024.
30. K. Nishitha and P. Vani, "Traffic Sign Detection and Recognition System Using CNN," Journal of Engineering Sciences, vol. 15, no. 7, ISSN 0377-9254, 2024.

31. K. Nishitha and U. Vasu, "Enhancing Decision-Making Strategies with Machine Learning," *Journal of Engineering Sciences*, vol. 15, no. 8, ISSN 0377-9254, 2024.
32. K. Nishitha, G. Rajesh, and N. Haritha, "Utilizing Machine Learning-Based Reverse Engineering Techniques to Identify Malware on Mobile Devices Within Android Applications," *JETIR*, vol. 11, no. 06, JETIR2406840.
33. K. Nishitha, B. Umamaheswari, and Venkatesh Savithri, "A Novel Method in the Field of Deep Learning for the Identification of Leaf Diseases," *JETIR*, vol. 11, no. 06, JETIR2406840.
34. K. Venkata Rathnam, "Voice-Based E-Mail System for Visually Challenged People," *International Journal of Engineering Sciences*, vol. 15, no. 7, 2024.
35. Addala Hemantha Kumar, "Simplest and Robust Cipher Text Generation by Using Splitting and Merging Techniques," *International Journal of Creative Research Thoughts (IJCRT)*, vol. 12, no. 2, February 2024.
36. Pokuri Venkata Radhakrishna Murthy and N. Bhargavi, "Prediction of Stroke Risk with a Hybrid Deep Transfer Learning Framework," *Journal of Engineering Sciences*, vol. 14, no. 8, pp. 771-777, 2023.
37. Pokuri Venkata Radhakrishna Murthy and Pala Chandana, "Retinopathy Detection Using Deep Learning," *Journal of Engineering Sciences*, vol. 14, no. 8, pp. 383-388, 2023.
38. K. Lakshmi, "A Machine Learning Approach to Predict Thyroid Disease at Early Stages of Diagnosis," *Journal of Engineering Sciences*, vol. 14, no. 7, July 2023.
39. K. Lakshmi, "Supervised Machine Learning Based Campus Placement Prediction," *Journal of Engineering Sciences*, vol. 14, no. 8, August 2023.
40. K. Lakshmi, "An Automated Evaluation System for Exams Using NLP," *Journal of Engineering Sciences*, vol. 14, no. 8, August 2023.
41. G. Haripriya, "Software Quality Prediction Using Machine Learning," *Journal of Engineering Sciences*, vol. 14, no. 8, September 2023.
42. G. Haripriya, "Effective Discovery of Product Experience Based on Fusion Sentiment Analysis Method," *Journal of Engineering Sciences*, vol. 1, no. 8, September 2023.
43. G. Haripriya, "Detection of Malicious Social Bots Using Machine Learning," *Journal of Engineering Sciences*, vol. 14, no. 8, September 2023.
44. G. Haripriya, "Fraud Detection and Analysis for Insurance Claims Using Machine Learning," *Journal of Engineering Sciences*, vol. 14, no. 9, September 2023.
45. Katta Lakshmi, "Cardiovascular Disease Prediction in ECG Images," *Journal of Engineering Sciences*, vol. 14, no. 10, October 2023.
46. Katta Lakshmi, "Heart Disease Prediction with Machine Learning Techniques," *Journal of Engineering Sciences*, vol. 14, no. 10, October 2023.

47. Katta Lakshmi, "Lung Cancer Detection Using Machine Learning and Image Processing," *Journal of Engineering Sciences*, vol. 15, no. 3, March 2024.
48. Methuku Nagasindhuja, Venakataradhakrishnamurty, and Nadendla Anil Kumar Chowdary, "A Discourse on AI-Assisted Neural Networks Used to Anticipate and Distinguish Malicious SQL Codes," *International Journal of Engineering Technology and Management Sciences*, ISSN: 2581-4621, vol. 8, no. 3, 2024. DOI: 10.46647/ijetms.2024.v08i03.070.
49. Prathyusha, B. V. S. U., and K. R. Babu, "EABRT-TOPSIS: An Enhanced AODV Routing Protocol with TOPSIS-Based Backup Routing Table for Energy-Efficient Communication in CA-MANET," *International Journal of Intelligent Systems and Applications in Engineering*, vol. 11, no. 3, July 2023, pp. 1200-1201. <https://ijisae.org/index.php/IJISAE/article/view/3379> (Scopus Indexed).
50. Dr. K. Venkatachalam, "Sanitization and Food Serving Robot for Quarantine Patients," *Journal of Emerging Technologies and Innovative Research (JETIR)*, vol. 10, 2023.
51. Rani P. J. I., Venkatachalam K., Sasikumar D., Madhankumar M., Thankaraj A., Senthilkumar P., and Mohan E., "An Optimal Approach on Electric Vehicle Using Functional Learning," *International Journal of Intelligent Systems and Applications in Engineering*, vol. 12, 2024, pp. 197-206.
52. Dr. K. Venkatachalam, "Detection & Distinction of Colors Using Color Sorting Robotic Arm in a Pick & Place Mechanism," *Journal of Emerging Technologies and Innovative Research (JETIR)*, vol. 10, 2023.
53. Dr. K. Venkatachalam, "Real-Time Forest Anti-Smuggling Monitoring System Based on GSM," *Journal of Emerging Technologies and Innovative Research (JETIR)*, vol. 10, 2023.
54. Geetha T. S., Chellaswamy C., Raja E., and Venkatachalam K., "Deep Learning for River Water Quality Monitoring: A CNN-BiLSTM Approach Along the Kaveri River," *Sustainable Water Resources Management*, vol. 10, 2024. DOI: 10.1007/s40899-024-01102-6.
55. Balamanikandan A., Arunraja A., Venkatachalam K., Rahamtula S., and Dhanalakshmi M., "Creating a Logic Divider Based on BCD and Utilizing the Vedic Direct Flag Method," *International Journal of Electrical and Electronics Research*, vol. 12, 2024, pp. 896-904. DOI: 10.37391/ijeer.120321.
56. G. Varalakhmi, N. Venkataramanaiah, and S. Himabindu, "Design of a Monitoring and Supervision of Healthcare Edge Computing Disease Detection Model," *Journal of Interdisciplinary Cycle Research*, vol. 15, issue 1, 2023, pp. 610-618.

57. S. Vasantha, N. Venkataramanaiah, and S.K. Safiyaan, "Parking Slot Using IoT," *Journal of Emerging Technologies and Innovative Research*, vol. 10, issue 1, 2023, pp. 124-127.
58. M. Kalyani, N. Venkataramanaiah, C. Manohar, and Ch. Vasu, "Smart Hybrid Vehicle Using IoT," *International Journal of Research and Analytical Reviews*, vol. 10, issue 2, 2023.
59. P. Pavithra, B. Nanda Sai Pavan, G. Purushotham Naidu, P. Dhanush, N. Venkataramanaiah, "Automatic Fire Fighting Robot with Notification," *International Journal of Research and Analytical Reviews*, vol. 10, issue 2, 2023, pp. 125-129.
60. T. Jyothi, N. Venkata Ramanaiah, Y. Sai Charitha, R. Akshaya, and S.K. Nijam Ahamed, "Leaf Disease Detection and Remedy Recommendation Using CNN," *International Journal of Novel Research and Development*, vol. 8, issue 5, 2023, pp. 671-679.
61. V. Krishnaveni, N. Venkataramanaiah, Y. Manoj, and T. Vikas, "Artificial Intelligence-Based IoT Automation: Controlling Devices with Google and Facebook," *Journal of Emerging Technologies and Innovative Research*, vol. 10, issue 1, 2023, pp. 652-658.
62. Balamanikandan A. and Venkataramanaiah N., "Home Automation Using Cloud & IoT," *International Conference on Electrical Energy System*, 2024.
63. M. Hemalatha, N. Venkataramanaiah, and B. Sudha Rani, "Modular Multi-Node Sensor Based Precision Farming for Improved Crop Performance," *Journal of Electrical Systems*, vol. 20, issue 10, 2024, pp. 3912-3918.
64. Ranigaram Thanuja Singh, Dr. K. Venkatachalam, and Dr. K. Dhanunjaya, "Design and Implementation of Low Power Efficient FIR Filter Architectures Using Approximate Adders and Multipliers," *African Journal of Biological Sciences*, vol. 6, 2024, pp. 2787-2796. DOI: 10.48047/AFJBS.6.Si4.2024.2787-2796.
65. Dhanunjaya K., "Rain Water Harvesting and Water Quality Monitoring Using IoT," *Journal of Emerging Technologies and Innovative Research*, vol. 8, 2023, pp. 1231-1236.
66. Dhanunjaya K. and Kumar A. Sandeep, "Laser-Based Security System," *Industrial Engineering Journal*, vol. 52, 2023, pp. 2299-2303.
67. Amarendra Jadda, "Speech Enhancement via Adaptive Wiener Filtering and Optimized Deep Learning Framework," *International Journal of Wavelets, Multiresolution and Information Processing*, vol. 21, 2023. DOI: 10.1142/S0219691322500321.
68. N. Kruthika, K. Balakrishna, B. Mahidhar, G. Rupesh, P. Muthulakshmi, J. Amarendra, "IoT-Based Theft Detection Using Raspberry Pi," *Journal of Emerging Technologies and Innovative Research (JETIR)*, vol. 10, 2023.

69. Sk. Husma Afsana, P. Arun Kumar Reddy, S. Vivek Nanda, Sk. Umar Ali, J. Amarendra, "Emotion-Based Music Player Master," Journal of Emerging Technologies and Innovative Research, 2023.
70. C. Suneetha, "Soil Quality Assessment Using Machine Learning Algorithms," Journal of Emerging Technologies and Innovative Research (JETIR), vol. 10, 2023.
71. C. Suneetha, "Soil Parameters Assessment Using Digital Images," Journal of Emerging Technologies and Innovative Research (JETIR), vol. 10, 2023.
72. Dr. P. Sreenivasulu, "Smart Doors with IoT Capabilities for Measuring Body Temperature and Detecting Face Masks," Industrial Engineering Journal, vol. 52, 2023, pp. 90-94.
73. Dr. P. Sreenivasulu and B. Vijay Kumar, "Smart Crop Protection System from Wild Animals," International Journal of Research and Analytical Reviews, vol. 10, 2023, pp. 921-924.
74. Dr. P. Sreenivasulu, "Medical Image Compression Using Gray Wolf Optimization Algorithm," Journal of Emerging Technologies and Innovative Research, vol. 10, 2023, pp. d460-d466.
75. Dr. P. Sreenivasulu, N. Anusha, and P. Manohar, "Medical Image Compression Using Wavelet-Based Modified Otsu Algorithm and Region of Interest Detection," Journal of Emerging Technologies and Innovative Research, vol. 10, 2023, pp. b510-b517.
76. Dr. P. Sreenivasulu, Sk. Asreen, T. Sireesha, P. Madhavi, and S. Michael, "Lossless ROI Image Compression Using Shearlet Transform and SPIHT Encoding," Journal of Emerging Technologies and Innovative Research, vol. 10, 2023, pp. b459-b466.
77. Dr. P. Sreenivasulu, G. Sai Varshitha, C. Hemanandini, D. Janardhan, and B. Mounish Kumar, "Smart Helmet for Coal Mines Safety Monitoring and Alerting," Journal of Emerging Technologies and Innovative Research, vol. 10, 2023, pp. f598-f605.
78. Dr. P. Sreenivasulu, Ch. Naga Divya, A. Vishnu Vardhan, D. Kambly, and G. Penchala, "IoT-Based Fire Detection and Automatic Water Sprinkler System," Journal of Emerging Technologies and Innovative Research, vol. 10, 2023, pp. f79-f86.
79. Dr. P. Sreenivasulu, Syed Athufa Alia, Sannu Saranya, Siddani Yuvaraj, and Shaik, "IoT-Based Ultra-Violet Sterilization Robot for Disinfection, Food and Goods Delivery," Journal of Emerging Technologies and Innovative Research, vol. 10, 2023, pp. d789-d795.
80. Jamalla Somasekhar, Kandanuru Bindhu, Jangiti Eswara Sai, Gupi Rupesh, and Dr. P. Sreenivasulu, "IoT-Based Vehicle Emission Monitoring System at Toll Plaza

- Using RFID and Cloud Services,” International Research Journal of Modernization in Engineering Technology and Science, vol. 5, 2023, pp. 1129-1135.
81. Dr. P. Sreenivasulu, “Design and Implementation of Accurate Hybrid KS with CS Adder for High-Speed Operations,” Social Sciences Journal, 2023.
  82. Dr. P. Sreenivasulu, “Online Food Delivery Using Stack,” Journal of Emerging Technologies and Innovative Research, 2024.
  83. Dr. P. Sreenivasulu, “Pan Card Tampering Identification System Using Deep Learning,” Journal of Emerging Technologies and Innovative Research, 2024.
  84. Dr. P. Sreenivasulu, “Drug Recommendation System Based on Sentiment Analysis of Drug Reviews Using Machine Learning,” Journal of Emerging Technologies and Innovative Research, 2024.
  85. Dr. P. Sreenivasulu, “Educational Chatbot,” Journal of Emerging Technologies and Innovative Research, 2024.
  86. Dr. P. Sreenivasulu, “Crime Prediction Using Machine Learning and Deep Learning,” Journal of Emerging Technologies and Innovative Research, 2024.
  87. Dr. P. Sreenivasulu, “Software Testing Using Selenium Tool with Java,” Journal of Emerging Technologies and Innovative Research, 2024.
  88. Dr. P. Sreenivasulu, “Fast Hardware Design Space Exploration,” Journal of Emerging Technologies and Innovative Research, 2024.
  89. Dr. P. Sreenivasulu, “Weather Monitoring System Using IoT,” Journal of Emerging Technologies and Innovative Research, 2024.
  90. Dr. P. Sreenivasulu, “Library Management System Using HTML,” Journal of Emerging Technologies and Innovative Research, 2024.
  91. Dr. P. Sreenivasulu, “Facial Authentication System Using Cyber Security,” Journal of Emerging Technologies and Innovative Research, 2024.
  92. Sree Lakshmi P., Deepak A., Muthuvel S.K., and Amarnatha Sarma C., “Design and Analysis of Stepped Impedance Feed Elliptical Patch Antenna,” Smart Innovation, Systems and Technologies: Intelligent Manufacturing and Energy Sustainability, Springer Nature Singapore, vol. 334, 2023, pp. 63-70. DOI: 10.1007/978-981-19-8497-6\_7.
  93. Chittiboina Venkateswarlu, S. Pavan Kumar Reddy, Yeggireddy Harshitha, D. Sujith Kumar, and R. Ramamohan, “IoT Based GSM and GPS Based Fishermen Tracking and Alert System,” International Journal of Creative Research Thoughts, vol. 11, 2023.
  94. S. Vasantha, R. Tejaswini, S.K. Dhahul, P. Vinay Kumar, and R. Ramamohan, “Smart Robots for Collision Avoidance Using Node MCU,” Journal of Emerging Technologies and Innovative Research, vol. 10, 2023.

95. C. Hema Nandini, C. Sravani, C. Venkat Krishna, K. Sai Kumar, and R. Ramamohan, "Fingerprint Based Vehicle Starting System," *Journal of Emerging Technologies and Innovative Research*, vol. 10, 2023.
96. Himabindu Sathyaveti and C. Gomathy, "Edge Computing-Based Internet of Medical Things for Healthcare Using Deep Learning," *International Journal of Embedded Systems*, vol. 16, 2023, pp. 117-125. DOI: <https://doi.org/10.1504/IJES.2023.136374>.
97. Mrs. S. Himabindu and Lokesh Perimi, "Deep Learning Approach for Indian Currency Classification," *International Journal of Creative Research Thoughts (IJCRT)*, vol. 11, 2023.
98. Himabindu Sathyaveti, "Cotton Plant and Leaf Detection Using Deep Learning," *International Journal of Creative Research Thoughts (IJCRT)*, vol. 11, 2023.
99. Bommisetty Naveen, Mandi Prathyusha, Damai Lokesh, Kunche Sathwika, and Himabindu Sathyaveti, "Detection of Brain Tumor Using CNN and YOLO," *International Journal of Scientific Research in Science and Technology*, vol. 10, 2023.
100. Eduru Mercy, Dr. G. Chenchu Krishnaiah, Amarendra Jadda, and Ranigaram Thanuja Singh, "Design and Implementation of Full Adder Using Hybrid AHL and Domino Logic," *African Journal of Biological Sciences*, vol. 6, 2024, pp. 2776-2786. DOI: 10.48047/AFJBS.6.Si4.2024.2776-2786.
101. E. Mercy, Dr. G. Chenchu Krishnaiah, and R. Thanuja Singh, "Design of Area Efficient Approximate Multiplier with Reduced Complexity of Partial Products in DSP Applications," *Journal of Information and Computational Science*, vol. 14, 2024, pp. 10-17.
102. Venkatesh B., Brahmanapalli, and Krishnaiah G. Chenchu, "IoT Based Environmental Disaster Sensing and Alert Using Wireless Technology," *Journal of Engineering Sciences*, vol. 14, 2023.
103. R. Bhagya Sri, M. Sai Krishna, S.K. Haseena, S.K. Imran, P.V.N. Vamsi Krishna, and Dr. G. Chenchu Krishnaiah, "An Iterative Triclass Thresholding on Gray Scale Images for Effective Segmentation," *Journal of Emerging Technologies and Innovative Research*, vol. 10, 2023, pp. 530-536.
104. Dr. G. Chenchu Krishnaiah, "Effective Segmentation on Grayscale Images Using Triclass Iteration by Otsu Method," *Journal of Emerging Technologies and Innovative Research (JETIR)*, vol. 10, 2023.
105. C. Sampoorna, K. Venkata Vamsi, G. Bhanu Teja, P. Penchal Kumar, and Dr. G. Chenchu Krishnaiah, "IoT Based Underground Cable Fault Detection," *Journal of Emerging Technologies and Innovative Research*, vol. 10, 2023.



106. C. Sampoorna, K. Venkata Vamsi, G. Bhanu Teja, P. Penchal Kumar, and Dr. G. Chenchu Krishnaiah, "IoT Based Underground Cable Fault Detection," *Journal of Emerging Technologies and Innovative Research (JETIR)*, vol. 10, 2023, pp. 555-559.
107. G. R. Thejasree, G. Viswas, D. Narendra, Ch. Saipavan, and Dr. G. Chenchu Krishnaiah, "Role of Artificial Intelligence in the Internet of Things (IoT) with Cybersecurity," *Journal of Emerging Technologies and Innovative Research*, vol. 10, 2023, pp. d399-d405.
108. "Biometric Recognition System Based Digital Voting System," *Journal of Emerging Technologies and Innovative Research*, vol. 10, 2023, pp. e148-e153
109. Anasuyamma and G. Sivakeerthi, "Vehicle Safety Management and Email Alert System Using Raspberry Pi," *Journal of Emerging Technologies and Innovative Research (JETIR)*, vol. 10, 2023
110. Anasuyamma and Thummala Yamini, "High Protection Locker Security System Using Live Image and Voice Authentication," *Journal of Emerging Technologies and Innovative Research (JETIR)*, vol. 10, 2023.
111. Anasuyamma, "Greenhouse Monitoring Using Raspberry Pi," *International Journal of Creative Research Thoughts (IJCRT)*, vol. 5, 2023.
112. Anasuyamma, T. Sivaji, and Dr. K. Venkatachalam, "Correction of Error Hamming Code-Based Technique for Compressed VLSI Test Data Resilience," *Heritage Research Journal*, vol. 71, 2023.
113. Kavitha Prithiviraj, M. Shakunthala, C. Suneetha, T. Lakshmi, K. Venkatachalam, and P. Janardhan Saikumar, "Novel Approaches to Crop Variety Development for Sustainable Agriculture Using Hybrid Machine Learning Model," *Journal of Electrical Systems*, 2024. DOI: 10.52783/jes.3288.
114. Dr. Y. Harnath, "A study on power summation of positive integers," *AIP Conference Proceedings*, 2024, 3122(1), 040016.
115. Mr. N. Prasad, "Broadband near infrared emission of Er<sup>3+</sup> ions doped fluorophosphate glasses for solid state laser applications," *Materials Today: Proceedings*. Available: ScienceDirect.
116. Dr. Y. Harnath, "On some application of matrix algebra tools." Available: AIP.
117. Dr. K. Vijaya Nirmala, "The Mediating role of total quality management in the relationship between operations management-productivity and long-run survival of the firm," *Journal of Pharmaceutical Negative Results*, ISSN: 0976-9234, E-ISSN: 2229-7723, vol. 14, regular issue 3, 2023, pp. 119-126. (Scopus Indexed)
118. Dr. K. Vijaya Nirmala, "Identifying and easing work-related stress among teaching staff in colleges," *Journal of Research Administration*, ISSN: 1539-1590, E-ISSN: 2573-7104, vol. 5, no. 2, pp. 4897-4905. (Scopus Indexed)

119. Dr. K. Vijaya Nirmala, "Harmony in healing: Understanding and addressing occupational stress among doctors in government hospitals," Journal of Research Administration, ISSN: 1539-1590, E-ISSN: 2573-7104, vol. 5, no. 2, pp. 7542-7554. (Scopus Indexed)
120. Dr. K. Vijaya Nirmala, "Unveiling the stress dynamics in government and private college teaching professions," Journal of Research Administration, ISSN: 1539-1590, E-ISSN: 2573-7104, vol. 5, no. 2, pp. 7527-7541. (Scopus Indexed)
121. Mr. G. Sreenivasulu, S. Klayan, "Deep Learning Framework for Object Detection and Recognition to Aid the Visually Impaired," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
122. Mr. G. Sreenivasulu, T. Sravani, "Recovering Shared Structure From Multiple Networks With Unknown Edge Distributions," Journal of Engineering Sciences, vol. 15, no. 08, ISSN: 0377-9254, 2024.
123. Mr. G. Sreenivasulu, Y. Venkata Anantha Lakshmi, "Machine Learning Approaches To Sarcasm Detection," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
124. Mr. G. Sreenivasulu, Y. Guru Swami, "CO2 Emissions Prediction Using Machine Learning In Diesel Products," Journal of Engineering Sciences, vol. 15, no. 08, ISSN: 0377-9254, 2024.
125. Mr. Ch. Dayakar, V. Chinnabbigari Srinivasulu, "Stock Portfolio Management System," Journal of Engineering Sciences, vol. 15, no. 08, ISSN: 0377-9254, 2024.
126. Mr. Ch. Dayakar, Y. Mounika, "RMT-Net: Reject Aware Multitask Network For Modelling Missing Not-At-Random Data In Financial Crediting Score," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
127. Mrs. B. Umamaheswari, B. Hareesh, "A Method For Assessing Vulnerabilities In E-commerce Transaction Systems," Journal of Engineering Sciences, vol. 15, no. 08, ISSN: 0377-9254, 2024.
128. Mrs. B. Umamaheswari, K. Bharathi, "Fighting Money Laundering with Statistics and Machine Learning," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
129. Mrs. B. Umamaheswari, K. Chandra Sekhar, "DROPS: Division And Replication Of Data In Cloud For Optimal Performance And Security," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
130. Mrs. Ch. Rushyendra Mani, A. Prathigna, "Efficient Detection of Stealthy Distributed Denial Of Service Attacks Via IoT Networks," Journal of Engineering Sciences, vol. 15, no. 08, ISSN: 0377-9254, 2024.
131. Mrs. R. Jyoshna Devi, P. Likhitha, "Efficient And Flexible Distributed Hashing For Approximate Nearest Neighbor Search," Journal of Engineering Sciences, vol. 15, no. 08, ISSN: 0377-9254, 2024.
132. Mrs. Ch. Rushyendra Mani, P. Priyadarsini, "Firebase Enabled Ledger Account Book," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
133. Mrs. Ch. Rushyendra Mani, P. Madhu Kumar, "Processor and Disk Usage Patterns for Ransomware Identification," Journal of Engineering Sciences, vol. 15, no. 08, ISSN: 0377-9254, 2024.

134. Mrs. Ch. Rushyendra Mani, P. Subramanyam, "Malicious Data Injection Attack Detection On Remote Distributed Consensus Estimation," Journal of Engineering Sciences, vol. 15, no. 08, ISSN: 0377-9254, 2024.
135. Mrs. Ch. Rushyendra Mani, S. Vani, "Wind Speed Forecasting Using Machine Learning," Journal of Engineering Sciences, vol. 15, no. 08, ISSN: 0377-9254, 2024.
136. Mrs. Ch. Rushyendra Mani, Sk. Mariem Siddikha, "PP-CSA: A Privacy-Preserving Cloud Storage Auditing Scheme For Data Sharing," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
137. Mrs. Ch. Rushyendra Mani, Sk. Shahida, "A Verifiable Semantic Searching Scheme By Optimal Matching Over Encrypted Data In Public Cloud," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
138. Mrs. M. Swathi, P. Rohini, "Location Prediction On Twitter Using Machine Learning Techniques," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
139. Ms. G. Sreelekha, Sk. Shayeer Hussian, "A Fast Nearest Neighbor Search Scheme Over Outsourced Encrypted Cloud Data," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
140. Ms. G. Sreelekha, Sd. Ahmed, "SESPHR: A Methodology for Secure Sharing of Personal Health Records in the Cloud," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
141. Ms. G. Sreelekha, T. LeelaSri, "Future Gold Price Prediction Using Machine Learning Techniques," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
142. Ms. G. Sreelekha, V. Kousalya, "Classification Of Online Toxic Comments Using Machine Learning," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
143. Ms. G. Sreelekha, V. Kavya, "Fish Disease Detection Using Image Based On Machine Learning In Aquaculture," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
144. Mrs. R. Jyoshna Devi, G. Yasaswini, "Identifying Ransomware Attacks Through Processor And Disk Usage Analysis," Journal of Engineering Sciences, vol. 15, no. 08, ISSN: 0377-9254, 2024.
145. Ms. V. Savitri, E. Lakshmi, "Disaster Victim Detection Under Debris Environments Using Deep Learning," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
146. Ms. V. Savitri, K. Lakshmi, "Proficient Allocation Of Resources And Time Arrangement," Journal of Engineering Sciences, vol. 15, no. 08, ISSN: 0377-9254, 2024.
147. Ms. V. Savitri, P. Pushpa, "Efficient Retrieval Over Documents Encrypted By Attributes In Cloud Computing," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.
148. Ms. V. Savitri, T. Muni Sireesha, "Enhancing Efficiency: Predictive Maintenance Strategies For Factory Equipment," Journal of Engineering Sciences, vol. 15, no. 07, ISSN: 0377-9254, 2024.

149. Ms. V. Savitri, V. Surendra, "Phishing URL Detection: A Real-Case Scenario Through Login URLs," *Journal of Engineering Sciences*, vol. 15, no. 07, ISSN: 0377-9254, 2024.
150. Ms. V. Savitri, Y. Mounika, "Threat Model And Defense Scheme For Side-Channel Attacks In Client-Side Deduplication," *Journal of Engineering Sciences*, vol. 15, no. 07, ISSN: 0377-9254, 2024.
151. P. Michael Joseph Stalin, Palaniappan, M., Karthikeyan, S., Ramkumar, R., Prabu, B., and Kalyani, G., "Experimental assessment of thermohydraulic performance on counter flow impinging air solar heater integrated with arc shaped roughness," *Heat and Mass Transfer*, pp. 1-10, 2024.
152. P. Michael Joseph Stalin, Rao, P.N., Palaniappan, M., Kumar, P.M., and Udhayakumar, K., "Effective thermal performance assessment for prismatic triangular solar air heater integrated with fins and turbulators," *Numerical Heat Transfer, Part A: Applications*, pp. 1-17, 2024.
153. Kumar, P., Rajeswari, M., Saravanakumar, P., Arunkumar, S., and P. Michael Joseph Stalin, "Study On A Solar Water Heater Performance Under The Influence Of Nanofluid," *EMERG: Energy. Environment. Efficiency. Resources. Globalization*, 10(2), 2024.
154. P. Michael Joseph Stalin, Murugesan, P., Pasupathi, M.K., Rapuru, L., Balaji, P., and Murugesan, V., "Investigating The Performance Of A Flat-Plate Solar Water-Heating System Using CeO<sub>2</sub>/Water Nanofluid: A Holistic Approach," *Journal of Enhanced Heat Transfer*, 31(1), 2024.
155. P. Michael Joseph Stalin, Sivamaran, V., Lokanadham, R., Kavimani, V., and Mandal, T.K., "Performance analysis of roughened triangular solar air heater for preheating applications," *International Journal on Interactive Design and Manufacturing (IJIDeM)*, pp. 1-13, 2024.
156. P. Michael Joseph Stalin, Lokanadham, R., Naveen, G., Singh, B., Tayyab, S.A., Panchal, H., Kumar, A., Siddiqui, M.I.H., Natrayan, L., and Shah, M.A., "Innovative cinque rib-roughened stimulators on performance improvement in triangular channel solar air heater," *International Journal of Low-Carbon Technologies*, 19, pp. 227-235, 2024.

### **Conference articles**

1. M. Rajaiah, V. Kumar, and N. Subramanyam, "Leaf Disease Detection Using Ensemble Classification Approach in Machine Learning," *American Institute of Physics Conference Series*, vol. 2802, no. 1, 120004, 2024.
2. J. Balamurugan, N. Subramanyam, D. S. Mani, and A. B. Reddy, "Evaluation of Natural Language Used in Software Engineering Based on Chatbot," 2023 *International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS)*.

3. Mr. Addala Hemantha Kumar, "Optimizing Route Scheduling for Energy Efficiency in IoT: Advancements in Green Computing and Next Generation Energy Orientation," International Conference on Artificial Intelligence in Nanomaterials Engineering Environmental and Healthcare Applications – 2024 (IC – ANEHA – 2024), online, Asia Pacific University, Kuala Lumpur, Malaysia, February 27-29, 2024.
4. Udaykumar Thalamati, V. Sarma, and P. Murthy, "Guarding the Gate: Innovative Solutions for Third-Party App Vulnerabilities," International Conference on Machine Learning (CML2024), Sikkim Manipal University, India, March 29-30, 2024.
5. Sasi K. D., Venkatachalam K., Saravanan P., Mohan E., and Nagarajan M., "Meta Models of Yoga Gestures Using ACCF and SCHF with ML Techniques," 2nd International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN 2023), 2023. DOI: 10.1109/ICSTSN57873.2023.10151592.
6. Priyanka R., Sathesh M., Tamil Selvi T., Saikumar P. J., Venkatachalam K., and Raja M., "Efficient Approach for Epileptic Seizure Classification and Detection Based on Genetic Algorithm with CNN-RNN Classifier," 3rd International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI 2024), 2024. DOI: 10.1109/ACCAI61061.2024.10602166.
7. Balamanikandan A. and Venkataramanaiah N., "Secured Electronic Voting Using Ethereum Blockchain Technology," 2024 2nd World Conference on Communication and Computing (WCONF), 2024. DOI: 10.1109/WCONF61366.2024.10692159.
8. Ch. Amarnatha Sarma, Bollem Vamsi Krishna, L. M. L. Reddy, and P. Sree Lakshmi, "An Inter-Digital Band-Pass Filter with Dual Vias in Resonator and Defects in Ground Sheet for S-band Applications," AIP Conference Proceedings, vol. 2794, 2023.
9. P. Sree Lakshmi, A. Deepak, Suresh Kumar Muthuvel, and Ch. Amarnatha Sarma, "Design and Analysis of Stepped Impedance Feed Elliptical Patch Antenna," Intelligent Manufacturing and Energy Sustainability: Proceedings of ICIMES, 2023, pp. 63-70.
10. P. Sree Lakshmi, A. Deepak, Suresh Kumar Muthuvel, and Ch. Amarnatha Sarma, "Stepped Impedance Feed Reconfigurable Slotted Elliptical Patch Antenna with Partial Ground for Wireless Applications," Journal of Physics: Conference Series, vol. 2471, 2023, pp. 012012.
11. Sarma C. A., Krishna B. V., Reddy L. M. L. N., and Lakshmi P. S., "An Inter-Digital Band-Pass Filter with Dual Vias in Resonator and Defects in Ground Sheet for S-band Applications," AIP Conference Proceedings, vol. 2794, 2023. DOI: 10.1063/5.0166041.

12. Lakshmi P. S., Deepak A., Muthuvel S. K., and Amarnatha Sarma C., "Stepped Impedance Feed Reconfigurable Slotted Elliptical Patch Antenna with Partial Ground for Wireless Applications," Journal of Physics: Conference Series, vol. 2471, 2023. DOI: 10.1088/1742-6596/2471/1/012012

## **2022 – 2023**

### **Journal publications**

1. N. Susmitha et al., "An Efficient and Secure Storage Auditing Scheme for Data Sharing in Cloud Environment," Journal of Engineering Sciences, ISSN: 0377-9254, vol. 14, no. 04, April 2023.
2. M. Rajaiah, Vijaya Kumar, N. Subramanyam, "Drug Recommendation System Using Machine Learning Based on TF-IDF Feature Extraction Process."
3. M. Rajaiah, N. Subramanyam, C. Vijaya Kumar, P. Chandra Kanth, "Text-to-Image Synthesis Using KT GAN."
4. G. Rajesh, "Secure and Efficient Data Migration Using Counting Bloom Filters in Cloud Environments," Journal of Engineering Sciences, vol. 14, no. 8, 2023, ISSN: 0377-9254.
5. G. Rajesh, "Artificial Intelligence Based Fitness Assistant System," Journal of Engineering Sciences, vol. 14, no. 9, 2023, ISSN: 0377-9254.
6. Ms. K. Nishitha, A. Pavankalyan, "Spotting Pothole from Road Surface Analysis Using Convolutional Neural Networks," Journal of Engineering Sciences, vol. 14, no. 7, 2023, ISSN: 0377-9254.
7. Ms. K. Nishitha, M. Chittesh, "Perception of Heart Failures from Heart Sounds Using Neural Networks," Journal of Engineering Sciences, vol. 14, no. 7, 2023, ISSN: 0377-9254.
8. Ms. K. Nishitha, M. Anusha, "Attendance System Based on QR Codes," Journal of Engineering Sciences, vol. 14, no. 7, 2023, ISSN: 0377-9254.
9. Mr. K. Venkata Rathnam, "A New Lightweight Symmetric Researchable Encryption Scheme for String Identification," International Journal of Engineering Sciences, vol. 14, no. 7, 2023.
10. Mr. K. Venkata Rathnam, "A Novel Machine Learning Approach for Estimation of Software Detection," International Journal of Engineering Sciences, vol. 14, no. 7, 2023.
11. Manoharan, H., Teekaraman, Y., Kuppusamy, R., Radhakrishnan, A., Hariprasath Venkatachalam, K., "Acclimatization of Nanorobots in Medical Applications Using the Artificial Intelligence System with the Data Transfer Approach," Wireless

Communications and Mobile Computing, vol. 2022, 2022, DOI: 10.1155/2022/5877042.

12. Manoharan, H., Kumar, N.S., Saikumar, P.J., Venkatesan, M., Balamanikandan, A., Venkatachalam, K., "Analyzing the Effect of Uncertainty in Low Power SRAM Cells Using Artificial Intelligence Technique," Journal of Uncertain Systems, vol. 16, 2023, DOI: 10.1142/S1752890922420016.
13. Premtej, P. Sai; Amarendra, J.; Babu, S. Surendra; Dhanumjaya, K., "Medical Assistant Robot to Serve Quarantine Patients Using Raspberry Pi," Solid State Technology, vol. 1, 2022, pp. 101-105.
14. Dhanumjaya, K., Prasad, M.N. Giri, "Low Power Adder Architectures and its Power Analysis Using 45 NM CMOS Technology," Solid State Technology, vol. 1, 2022, pp. 111-118.
15. Dhanumjaya, K., Prasad, M.N. Giri, "Low Power & Application Specific ALU and its Performance Analysis," Solid State Technology, vol. 65, 2022, pp. 119-128.
16. Dhanumjaya, K., Prasad, M.N. Giri, "Low Power Logic Gate Cell Design and its Performance Analysis," Turkish Journal of Computer and Mathematics Education (TURCOMAT), vol. 13, 2022, pp. 1125-1132. <https://doi.org/10.17762/turcomat.v13i2.12721>.
17. Dhanumjaya, K., Prasad, M.N. Giri, "Low Power Standard Logic Gate Cells Design and its Power & Delay Analysis," Journal of Algebraic Statistics, vol. 13, 2022, pp. 797-809.
18. Dhanumjaya, K., Prasad, M.N. Giri, "Power Efficient XOR & XNOR Cell Design Using 45 nm CMOS Technology and its Power Analysis," Journal of Optoelectronics Laser, vol. 6, 2022, pp. 947-955.
19. Likhitha, B., Mohan, R. Ram, Vardhan, A.Y. Vishnu, Dhanumjaya, K., "Drainage Monitoring and Controlling System Using Raspberry Pi," Journal of Critical Reviews, vol. 9, 2022, pp. 81-87.
20. Sukanya, J., Suneetha, C., Venkatachalam, K., Dhanumjaya, K., "IoT Dependent Practically Feasible Remote System to Monitor Diseased Persons," ZKG International, 2022.
21. R. Priyanka Kamal, B. Sukumar, K. Thirumalesh, K. Dhanumjaya, "Raspberry Based Women Safety Pen Using IoT," Journal of Critical Reviews, vol. 9, 2022, pp. 88-95.
22. A. Surendra Reddy, "IoT Based Railway Track Fault Detection by Using PIC Microcontroller," Journal of Emerging Technologies and Innovative Research (JETIR), vol. 10, 2023.

23. B. Rithika, M. Yedukondalu, E. Dhanush, N. Poojitha, A. Surendra Reddy, "IoT Enabling Night Patrolling Robot for Women Safety," *Journal of Emerging Technologies and Innovative Research*, vol. 10, 2023.
24. S. Surendra Babu, "Banking Security System Using ESP36," *Journal of Emerging Technologies and Innovative Research (JETIR)*, vol. 10, 2023.
25. S. Surendra Babu, "Bank Security Using Fingerprint Authentication and Face Detection Using ESP32 Controller," *Journal of Emerging Technologies and Innovative Research*, 2023.
26. S. Surendra Babu, "Speaking System for Mute People Using Hand Gestures," *Journal of Emerging Technologies and Innovative Research*, 2023.
27. S. Surendra Babu, "Indoor Air Quality Monitoring System Using IoT," *Journal of Emerging Technologies and Innovative Research*, 2023.
28. BP Santosh Kumar, Mohd Anul Haq, P. Sreenivasulu, D. Siva, Malik Bader Alazzam, Fawaz Alassery, Sathishkumar Karupusamy, "Fine-Tuned Convolutional Neural Network for Different Cardiac View Classification," *The Journal of Supercomputing*, 2022, pp. 18318-18335.
29. G. Tejaswi, Dr. P. Sreenivasulu, "Background Suppression for Lossless Images Compression Using Fuzzy Clustering," *Advanced Engineering Science*, vol. 54, 2022, pp. 6841-6849.
30. Ch. Amarnatha Sarma, Syed Inthiyaz, BTP Madhav, P. Sree Lakshmi, "An Interdigital Poison Ivy Leaf Shaped Filtenna with Multiple Defects in Ground for S-Band Bandwidth Applications," *ResearchGate*, 2022.
31. Amarnatha Sarma, C., Inthiyaz, S., Madhav, B.T.P., Sree Lakshmi, P., "An Interdigital Poison Ivy Leaf Shaped Filtenna with Multiple Defects in Ground for S-Band Bandwidth Applications," *International Journal on Recent and Innovation Trends in Computing and Communication*, vol. 10, 2022, pp. 55-66, DOI: 10.17762/IJRITCC.V10I8.5668.
32. R. Rama Mohan, "Implementation of 7T SRAM for Low Power Data Processing Applications in a Security System," *Journal of Emerging Technologies and Innovative Research (JETIR)*, vol. 9, 2022.
33. J. Manohar, "Solar Based Grass Cutter Using Node MCU," *Journal of Emerging Technologies and Innovative Research (JETIR)*, vol. 10, 2023.
34. Mr. J. Manohar, "Smart Hybrid Electrical Vehicle Charging Station Using On-Grid Green Power and Wireless Charging," *Journal of Emerging Technologies and Innovative Research (JETIR)*, vol. 10, 2023.
35. S. Himabindu, "Thermal Screening Enabled Face Mask Detection and Sanitization System," *ZKG International Journal*, 2022.



36. N. Sahithi, A. Abhishek, G. Sai Saketh, P. Lauren Sherly, Dr. G. Chenchu Krishnaiah, "Automatic Soldier Tracking and Health Monitoring System," *Journal of Emerging Technologies and Innovative Research*, vol. 10, 2023, pp. 568-572.
37. Sridhar, T., Venkata, and Krishnaiah, G. Chenchu, "Multicore Architectures and Their Applications in Image Processing," 2022, pp. 63-93.
38. Dr. G. Chenchukrishnaiah, "HRCT Image Denoising Using Wavelet Transform and Basic Filtering," *Journal of Emerging Technologies and Innovative Research (JETIR)*, vol. 9, 2022.
39. Anil Kumar Puli, K. Sateesh Kumar, J. Brahmaiah Naik, P. Janardhan Saikumar, Biruk Ambachew Adugna, "A Novel Effective Edge-Based Image Denoising Algorithm," *Hindawi, Scientific Programming*, vol. 2022, Article ID: 9675526, <https://doi.org/10.1155/2022/9675526>.
40. J. Suresh, "Design of Solar PV-Fed Modular Multilevel Inverter for Marine Water Pumping Using Fuzzy Logic Control," *Industrial Engineering Journal*, ISSN No. 0970-2555.
41. J. Suresh, "Four-Level Three-Phase Inverter with Reduced Component Count for Low and Medium Voltage Application," *Industrial Engineering Journal*, ISSN No. 0970-2555.
42. G. Ratnaiah, "A Nine Level Quadruple Boost Inverter Topology for Small Scale Solar PV Applications," *Industrial Engineering Journal*, ISSN No. 0970-2555.
43. Dr. M. Rajaiah, "Drug Recommendation System Using Machine Learning Based on TF-IDF Feature Extraction Process," *A Journal of Composition Theory*, ISSN: 0731-6755, <http://www.jctjournal.com/gallery/2-aug2022.pdf>.
44. Dr. M. Rajaiah, "Text-to-Image Synthesis Using KT GAN," *Journal of Composition Theory*, <http://www.jctjournal.com/gallery/3-aug2022.pdf>.
45. A. Mallikarjuna, "High Saturation Magnetization in Ni<sub>0.2</sub>Mn<sub>0.8</sub>Fe<sub>2</sub>O<sub>4</sub> Nanoparticles," *Journal of Ovonic Research*, <https://doi.org/10.15251/JOR.2022.184.591>.
46. A. Mallikarjuna, "Synthesis and Characterization of Bimetallic Ni-Cu Nanocomposite Particles: A Highly Efficient Catalyst for Selective Hydrogenation of 1-Octyne," *Journal of Nanostructure in Chemistry*, <https://doi.org/10.1007/s40097-022-00562-x>.
47. A. Mallikarjuna, "Synthesis and Characterization of Silver-Doped Hydroxyapatite: A Novel Antibacterial Nanocomposite," *Journal of Biomedical Nanotechnology*, <https://doi.org/10.1166/jbn.2022.3166>.
48. A. Mallikarjuna, "Exploration of the Interactions of Ni-Doped Hydroxyapatite with Antibiotics and Proteins," *Colloids and Surfaces B: Biointerfaces*, <https://doi.org/10.1016/j.colsurfb.2022.112327>.

49. A. Mallikarjuna, "Synthesis and Characterization of Eco-Friendly Green Silver Nanoparticles from Citrus sinensis," Journal of Environmental Chemical Engineering, <https://doi.org/10.1016/j.jece.2022.107345>.
50. A. Mallikarjuna, "Effect of Temperature on the Characteristics of Electrodeposited Nickel-Cobalt Alloy Thin Films," Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2022.09.215>.
51. A. Mallikarjuna, "Impact of Synthesis Methods on the Structural, Optical and Magnetic Properties of NiFe<sub>2</sub>O<sub>4</sub> Nanoparticles," Journal of Nanostructure in Chemistry, <https://doi.org/10.1007/s40097-022-00485-5>.
52. A. Mallikarjuna, "Preparation and Characterization of Carbon-Doped TiO<sub>2</sub> Photocatalyst for Photodegradation of Methylene Blue," Journal of Environmental Chemical Engineering, <https://doi.org/10.1016/j.jece.2022.107473>.
53. Dr. Y. Harnath, "Hunting for Kaprekar Constants," AIP Conference Proceedings, vol. 2707, pp. 020008-1–020008-6, 2023. <https://doi.org/10.1063/5.0143357>.
54. Mr. N. Prasad, "Optical and Luminescence Studies of Nd<sup>3+</sup> Doped Phosphate Glasses for Pulsed Laser Applications," Materials Today: Proceedings, 2023. <https://www.sciencedirect.com/science/article/abs/pii/S2214785323028031>.
55. G. Sujatha, Dr. K. Vijaya Nirmala, "A Study on Workplace Stress Among Nursing Professionals in Telangana Using Confirmatory Factor Analysis," International Journal of Mechanical Engineering, vol. 7, no. 3, pp. 302-306, 2022. ISSN: 0974-5823 (Scopus Indexed).
56. G. Sujatha, Dr. K. Vijaya Nirmala, "Stress Among Nursing Professionals in Corporate Hospitals: An Empirical Research Study with Special Reference to Telangana Region," Journal of Cardiovascular Disease Research, vol. 11, no. 04, pp. 622-628, 2022. ISSN: 0975-2833 (Scopus Indexed).
57. Dr. K. Vijaya Nirmala, "The Central Role of E-Commerce Between Overseas Marketing Strategies and the Development of Business in India: Post Pandemic Scenario," The Seybold Report, vol. 17, pp. 641-648, 2022. ISSN: 1533-9211 (Scopus Indexed).
58. P. V. A. Sunil Kumar, Dr. K. Vijaya Nirmala, "Occupational Stress and Coping Mechanism of Doctors in Major and Minor Cities of Andhra Pradesh," Journal of Emerging Technologies and Innovative Research (JETIR), vol. 9, no. 12, December 2022. ISSN: 2349-5162 (UGC Care List Journal).
59. Mr. V. Chandrasekhar, B. Bhavana, "Deep Facial Diagnosis Using Deep Transfer Learning," Journal of Engineering Sciences, vol. 14, no. 08, 2023.
60. Mr. V. Chandrasekhar, Sk. Seemu, "Efficient Location Estimation in Earthquake Alert System Using Machine Learning," Journal of Engineering Sciences, vol. 14, no. 08, 2023.

61. Mr. V. Chandrasekhar, B. Hemasree, "Handwritten Telugu Character Recognition Using Deep CNN Model," Journal of Engineering Sciences, vol. 14, no. 08, 2023.
62. Mr. V. Chandrasekhar, Y. Neelima, "Digital Vehicle: Vehicle Identification Using Number Plate," Journal of Engineering Sciences, vol. 14, no. 08, 2023.
63. Mr. Ch. Dayakaar, Ch. Mounika, "Hybrid Posture Detection Framework: Integrated Machine Learning and Deep Neural Networks," Journal of Engineering Sciences, vol. 14, no. 08, 2023.
64. Mr. Ch. Dayakaar, G. Anusha, "Online Fake Reviews Identification Using Semi-Supervised and Supervised Learning," Journal of Engineering Sciences, vol. 14, no. 08, 2023.
65. Mr. Ch. Dayakaar, G. Anusha, "Online Fake Reviews Identification Using Semi-Supervised and Supervised Learning," Journal of Engineering Sciences, vol. 14, no. 08, 2023.
66. Mr. G. Sreenivasulu, B. Manvitha, "E-Health Care and Diet Recommender System Using Artificial Intelligence," Journal of Engineering Sciences, vol. 14, no. 08, 2023.
67. Mr. G. Sreenivasulu, D. Lavanya, "College News Portal," Journal of Engineering Sciences, vol. 14, no. 08, 2023.
68. Mrs. M. Swathi, J. Venkata Kalyani, "A Deep Learning Framework for Video-Based Vehicle Counting," Journal of Engineering Sciences, vol. 14, no. 08, 2023.
69. Mrs. M. Swathi, K. Mounika, "Prediction of Fake Job Post Using Machine Learning," Journal of Engineering Sciences, vol. 14, no. 08, 2023.
70. Mrs. B. Umamaheswari, L. Srividya, "Secure Data Sharing Using Web Cloud Storage Platform," Journal of Engineering Sciences, vol. 14, no. 08, 2023.
71. Mrs. R. Jyosna Devi, M. Aruna, "Machine Learning Based Chronic Kidney Disease Detection," Journal of Engineering Sciences, vol. 14, no. 08, 2023.
72. Mrs. R. Jyosna Devi, T. Sowjanya, "Stress Detection in IT Professionals by Image Processing and Machine Learning," Journal of Engineering Sciences, vol. 14, no. 08, 2023.
73. A. Vamsi, "Securing Cloud Data Under Key Exposure," Journal of Engineering Sciences, ISSN: 0377-9254.
74. A. Pavankalyan, "Spotting Potholes from Road Surface Analysis Using Convolutional Neural Networks," Journal of Engineering Sciences, ISSN: 0377-9254.
75. B. Abhinaya, "Missing Child Recognition System Using Deep Learning & Multi-Class Support Vector Machine," Journal of Engineering Sciences, ISSN: 0377-9254.
76. B. Hemasri, "Handwritten Telugu Character Recognition Using Deep CNN Model," Journal of Engineering Sciences, ISSN: 0377-9254.

77. Bandi Aswini, "A Novel Machine Learning Approach for Estimation of Software Defects," Journal of Engineering Sciences, ISSN: 0377-9254.
78. B. Sravanthi, "Generating Cloud Monitors from Models to Secure Clouds," Journal of Engineering Sciences, ISSN: 0377-9254.
79. B. Harshitha, "Supervised Machine Learning Based Campus Placement Prediction," Journal of Engineering Sciences, ISSN: 0377-9254.
80. B. Khyathi Priya, "Predicting Trajectory Using Machine Learning," Journal of Engineering Sciences, ISSN: 0377-9254.
81. B. Poojitha, "A New Lightweight Symmetric Searchable Encryption Scheme for String Identification," Journal of Engineering Sciences, ISSN: 0377-9254.
82. B. Venkateswarlu, "Enforcing Blockchain Based Secure Scheme for Protecting Banking Transactions," Journal of Engineering Sciences, ISSN: 0377-9254.
83. B. Bhavana, "Deep Facial Diagnosis Using Deep Transfer Learning," Journal of Engineering Sciences, ISSN: 0377-9254.
84. Bommanchu Manvitha, "E-Health Care and Diet Recommender System Using Artificial Intelligence," Journal of Engineering Sciences, ISSN: 0377-9254.
85. Ch. Gayathri, "An Automated Evaluation System of Exam Using NLP," Journal of Engineering Sciences, ISSN: 0377-9254.
86. Ch. Anitha, "Efficient Approach for Smart Vehicle Parking Using IoT," International Journal of Scientific & Engineering Research (IJSER), ISSN: 2393-8374.
87. Ch. Mounika, "Hybrid Detection Framework: Integrated Machine Learning and Deep Neural Networks," Journal of Engineering Sciences, ISSN: 0377-9254.
88. D. Lavanya, "College News Portal," Journal of Engineering Sciences, ISSN: 0377-9254.
89. D. Yamini, "Number Plate Detection Without Helmet," Journal of Engineering Sciences, ISSN: 0377-9254.
90. D. Vijitha, "Understanding Users' Search Goals with Feedback Sessions," Journal of Engineering Sciences, ISSN: 0377-9254.
91. E. Keerthana, "Detection of Malicious Social Bots Using Machine Learning," Journal of Engineering Sciences, ISSN: 0377-9254.
92. E. Vamsi Krishna, "Detection of Fake Currency Using Machine Learning Models," Journal of Engineering Sciences, ISSN: 0377-9254.
93. G. Sai Keerthi, "Securing Location Data Using Machine Learning Techniques," Journal of Engineering Sciences, ISSN: 0377-9254.
94. G. Mamatha, "Mining Competitors from Large Unstructured Datasets," Journal of Engineering Sciences, ISSN: 0377-9254.
95. G. Prathima, "Water Quality Monitoring and Forecasting System," Journal of Engineering Sciences, ISSN: 0377-9254.

96. G. Anusha, "Online Fake Reviews Identification Using Semi-Supervised and Supervised Learning," Journal of Engineering Sciences, ISSN: 0377-9254.
97. J. Venkata Kalyani, "A Deep Learning Framework for Video-Based Vehicle Counting," Journal of Engineering Sciences, ISSN: 0377-9254.
98. J. Hemalatha, "Improving Security with Graphical Password Authentication Scheme," Journal of Engineering Sciences, ISSN: 0377-9254.
99. K. Mounika, "Prediction of Fake Job Post Using Machine Learning," Journal of Engineering Sciences, ISSN: 0377-9254.
100. K. Suvarna, "Developing a Soil Classification and Crop Recommendation System Using Machine Learning," Journal of Engineering Sciences, ISSN: 0377-9254.
101. K. Amrutha Kumar, "Improving Product Marketing by Predicting Early Reviewers on E-Commerce Websites," Journal of Engineering Sciences, ISSN: 0377-9254.
102. K. Sujith, "A Deep Learning Framework for Object Detection and Recognition: Empowering the Visually Impaired," Journal of Engineering Sciences, ISSN: 0377-9254
103. K. Yaswanth Kumar, "Detection and Analysis of Construction Site Accidents Using Text Mining and Natural Language Processing Techniques," Journal of Engineering Sciences, ISSN: 0377-9254
104. K. Jagadeesh, "Smart Distribution of Fresh Agriculture Products in Urban Areas," Journal of Engineering Sciences, ISSN: 0377-9254
105. K. Sreenu, "Predicting Rice Leaf Diseases Using Convolutional Neural Networks," Journal of Engineering Sciences, ISSN: 0377-9254
106. K. Supraja, "Fraud Detection and Analysis for Insurance Claims Using Machine Learning," Journal of Engineering Sciences, ISSN: 0377-9254
107. L. Srividhya, "Secure Data Sharing Using Web Cloud Storage Platform," Journal of Engineering Sciences, ISSN: 0377-9254
108. M. Chenchiah, "Classification of Plant Seedlings Using Deep CNN Architectures," Journal of Engineering Sciences, ISSN: 0377-9254
109. M. Priyanka, "Prediction of Flight for Users by Using Different ML Techniques," Journal of Engineering Sciences, ISSN: 0377-9254
110. M. Chittesh, "Perception of Heart Failures from Heart Sounds Using Neural Networks," Journal of Engineering Sciences, ISSN: 0377-9254.
111. M. Ramakrishna, "Air Pollution Prediction Using Machine Learning," Journal of Engineering Sciences, ISSN: 0377-9254.
112. M. Mounika, "Effective Discovering of Product Experience Based on Fusion Sentiment Analysis Method," Journal of Engineering Sciences, ISSN: 0377-9254.
113. Ms. Moula Anusha, "Attendance System Based on QR Codes," Journal of Engineering Sciences, ISSN: 0377-9254.

114. N. Bhargavi, "Stroke Risk Prediction with Hybrid Deep Transfer Learning Framework," *Journal of Engineering Sciences*, ISSN: 0377-9254.
115. P. Michael Joseph Stalin, Arjunan, T.V., Almeshaal, M., Murugesan, P., Prabu, B., and Kumar, P.M., "Utilization of Zinc-Ferrite/Water Hybrid Nanofluids on Thermal Performance of a Flat Plate Solar Collector—A Thermal Modeling Approach," *Environmental Science and Pollution Research*, vol. 29, no. 52, pp. 78848-78861, 2022
116. Sivamaran, V., Kavimani, V., Bakkiyaraj, M., Rajendran, C., and Sonar, T., "An Optimization of Particle Size and Additives of Slip Cast Alumina Samples to Reduce Warpage and Porosity," *Advances in Materials Science and Engineering*, vol. 2022, p. 5222633, 2022
117. Kavimani, V., Gopal, P.M., Sivamaran, V., and Anand Babu, K., "Investigations on the WEDM of Friction Stir Processed Magnesium/Graphene-Boron Nitride Hybrid Surface Composite through the Entropy-COPRAS Approach," *Advances in Materials Science and Engineering*, vol. 2022, p. 7592552, 2022
118. Shanmugapriya, Sivamaran, V., Padma Rao, A., Senthil Kumar, P., Selvamani, S.T., and Mandal, T.K., "Sol–Gel Derived  $\text{Al}_2\text{O}_3/\text{Gr}/\text{HAP}$  Nanocomposite Coatings on Ti–6Al–4V Alloy for Enhancing Tribo-Mechanical Properties and Antibacterial Activity for Bone Implants," *Applied Physics A*, vol. 128, no. 8, p. 635, 2022.
119. Manickam, S., Rajendran, C., Nathan, S.R., Sivamaran, V., and Balasubramanian, V., "Assessment of the Influence of FSSW Parameters on Shear Strength of Dissimilar Materials Joint (AA6061/AZ31B)," *International Journal of Lightweight Materials and Manufacture*, vol. 6, no. 1, pp. 33-45, 2023
120. Sivamaran, V., Manoharan, H., Teekaraman, Y., Kuppusamy, R., and Radhakrishnan, A., "[Retracted] Optimization Drive on a Flat Tire Vehicular System for Autonomous E-Vehicles Using Network Distribution Simulations," *Journal of Advanced Transportation*, vol. 2022, p. 7028567
121. Sivamaran, V., Balasubramanian, V., Gopalakrishnan, M., Viswabaskaran, V., and Rao, A.G., "Combined Synthesis of Carbon Nanospheres and Carbon Nanotubes Using Thermal Chemical Vapor Deposition Process," *Chemical Physics Impact*, vol. 4, p. 100072, 2022
122. Sivamaran, V., Balasubramanian, V., Gopalakrishnan, M., Viswabaskaran, V., Gourav Rao, A., and Selvamani, S.T., "Carbon Nanotubes, Nanorings, and Nanospheres: Synthesis and Fabrication via Chemical Vapor Deposition—A Review," *Nanomaterials and Nanotechnology*, vol. 12, p. 18479804221079495, 2022

123. Sivamaran, V., Kavimani, V., Bakkiyaraj, M., and Selvamani, S.T., "Multi Response Optimization on Tribo-Mechanical Properties of CNTs/nSiC Reinforced Hybrid Al MMC through RSM Approach," *Forces in Mechanics*, vol. 6, p. 100069, 2022.
124. Selvamani, S.T., Yoganandan, G., Bakkiyaraj, M., and Sivaraman, V., "Influence of Heat Input on Cold Metal Transfer Welded Joints," *Materials and Manufacturing Processes*, vol. 37, no. 13, pp. 1555-1565, 2022
125. Hussain, S.K., Sivamaran, V., Kalyan, R., Charan, G., and Nithin, Y., "Digital Manufacturing—Enabling Lean for More Flexible Manufacturing," *International Journal of Research in Engineering, Science and Management*, vol. 4, no. 9, pp. 94-98, 2021
126. Selvamani, S.T., Yoganandan, G., Bakkiyaraj, M., and Sivamaran, V., "Corrosion Resistance and Metallurgical Behaviour of CMT Welded Al-LCS Dissimilar Butt Joint Exposed in Simulated Industrial Environment," *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, vol. 236, no. 14, pp. 7853-7863, 2022
127. Kumar, P.M., Saminathan, R., Tharwan, M., Hadidi, H., P. Michael Joseph Stalin, Kumaresan, G., Ram, S., Rinawa, M.L., Saravanakumar, P.T., Karthikeyan, K., and Gebreyohannes, D.T., "Study on Sintered Wick Heat Pipe (SWHP) with CuO Nanofluids Under Different Orientation," *Journal of Nanomaterials*, vol. 2022, p. 7158228, 2022.

## Conference articles

1. U. Thirupalu et al., "Half Bits Shifting Chain Cipher," in *National Conference on Recent Advances in Data Science & Artificial Intelligence (RADSAI 2K22)*, organized by the Department of Computer Science, Sri Venkateswara University, Tirupati, 18-19 November 2022.
2. Susmitha Nagarapu, "An Efficient and Secure Storage Auditing Scheme for Data Sharing in Cloud Environment," *Journal of Engineering Sciences*, 0377-9254.
3. Sravani Batta, "Ensure Security Cloud-Enabled Big Data IoT System Using Multifactor Authentication and Lightweight," *Journal of Engineering Sciences*, 0377-9254.
4. Dr. U. Thirupalu, "Iris Registration and Recognition System," *Journal of Engineering Sciences*, 0377-9254.
5. Dr. U. Thirupalu, "Farming Made Easy for Farmers Using Machine Learning," *Journal of Engineering Sciences*, 0377-9254.
6. Dr. U. Thirupalu, "Enabling End-to-End Encrypted Cloud Emails with Advanced Encryption Techniques," *Journal of Engineering Sciences*, 0377-9254.

7. M. Blessi Stella, "A Novel Anomaly-Based Intrusion Detection System for Timely Detection and Mitigation of DDoS Attacks," Journal of Engineering Sciences, 0377-9254.
8. Susmitha Nagarapu, "An Efficient and Secure Storage Auditing Scheme for Data Sharing in Cloud Environment," Journal of Engineering Sciences, 0377-9254.
9. Sravani Batta, "Ensure Security Cloud-Enabled Big Data IoT System Using Multifactor Authentication and Lightweight," Journal of Engineering Sciences, 0377-9254.
10. Mr. G. Manoj Kumar, Ummaleti Srinivasulu, Mr. G. Pranay Kumar, "An Experimental Study on Mechanical Properties of Concrete by Partial Replacement of Ingredients with Waste Materials."
11. Mr. S. Sudheer Kumar, Suram Sai Surya, Mr. G. Pranay Kumar, "An Experimental Investigation on Suitability of Pseudomonas aeruginosa Bacteria in Improving the Mechanical Properties and Stress-Strain Behaviour of Concrete."
12. Mr. G. Pranay Kumar, Poturaju Charan, "A Laboratory Investigation on Strength and Durability Properties of Self-Curing Concrete."
13. G. Pranay Kumar, K. Suresh, S.B. Gowthami, "Rheological Behavior and Mechanical Properties of SC Based on Recycled Concrete Aggregate (RCA)."
14. S. Sudheer Kumar, S. Madhu, G. Pranay Kumar, "An Experimental Investigation on the Effect of Bagasse Ash and M-Sand on Mechanical Behaviour of Concrete."
15. G. Pranay Kumar, S. Saisurya, S. B. Gowthami, "Experimental Tests of Foamed Concrete with Steel Fiber Inclusion Based on Elasticity Properties."
16. G. Pranay Kumar, P. Charan, P. Shruthi, "Experimental Study on Highly Strength and Durable Silica Fume Concrete at Elevated Temperatures."
17. G. Pranay Kumar, U. Srinivasulu, S. Sudheer Kumar, "Investigation of Strength and Properties on Self-Curing Concrete Using Polyethylene Glycol (PEG-400)."
18. Malleswar Sasam, G. Pranay Kumar, "An Investigation on the Effect of Metakaolin and Fly Ash in Conventional Concrete."
19. Tekumalla Sumanth Kumar, Kandukuri Janaki Ram, Mamilla Vishnu Vardhan, Shaikmasthan Babu, Dr. Ch. Madhuramama, G. Pranay Kumar, "A Review on Causes and Prevention of Cracks in Buildings."
20. M. Rajesh, M. Karthik, P. Saketh, M. Sankar, M. Mohanswaroop, Mr. M. Dilipyadav, Mr. G. Pranay Kumar, "Pre-Fabricated Technology."
21. K. Gopi Chandu, U. Leela, Sk. Rehaman, M. Durga Prasad, T. Hari, Mr. G. Manoj Kumar, Mr. G. Pranay Kumar, "Study on Comparison of Various Strength Properties of Concrete by Using Steel & Glass Fibres: A Review."
22. G. Vinod, B. Naveen, E. Mahesh, K. Vahith Ready, Dr. Ch. Madhuramama, G. Pranay Kumar, "Stabilization of Expansive Soil by Using Rice Husk Ash."



23. Shaik Shahul, Koppela Jayakrishna, Shaik Nashitha, Shaik Waseem, Mr. S. Sudheer Kumar, "A Review of Design of Submerged Floating Tunnel."
24. B. Ravichandra, G. Sumanthreddy, K. Tulasiram, M. Lakshmi Narayana, Mrs. S. Gowthami, Mr. G. Pranay Kumar, "A Review on Bio Concrete: An Auto Healing Building Material."
25. Mude Lavanya, Kadiveti Sujankumar, Gummadi Sreenath, Alakonda Ganesh, Mr. G. Pranay Kumar, "A Review of Sustainable Urban Drainage System."
26. V. Sourab, K. Janakiram, P. Subbareddy, Rohith Kumar, Mr. G. Pranay Kumar, "Study on Partial Replacement of Cement with Fly Ash in Concrete for Increasing the Durability and Strength: A Review."
27. M. Anil, D. Naveen Kumar, K. Guru Mahesh, Ch. Balaji, Mr. S. Sudheer Kumar, Mr. G. Pranay Kumar, "A Review of Ready Mix Concrete."
28. K. Siva Kumar, Sk. Mubasheer Ahamad, Sd. Abid, M. Tharu Kumar, Sb. Gowthami, G. Pranay Kumar, "Experimental Study on Paver Blocks."
29. D.V. Deepesh, Mr. B. Uday Lokesh, Mr. G. Pranay Kumar, "Experimental Studies on Strength Variation Properties of Concrete with Partial Replacement of Cement by Rice Husk Ash and Nano Silica."
30. G. Siva Kumar, Mr. B. Uday Lokesh, Mr. G. Pranay Kumar, "Effect of Pseudomonas aeruginosa Bacteria on Mechanical Properties of Concrete and Stress-Strain Behaviour of M20 Concrete."
31. Y. Naveen, Mr. S. Sudheer Kumar, Mr. G. Pranay Kumar, "Experimental Study on Evaluation of Bond Strength Between Conventional Concrete and Steel Fiber Reinforced Concrete."
32. Palla Malyadri, Mr. G. Pranay Kumar, "An Experimental Study on Strength and Durability Properties of Low-Cost Concrete."
33. Sk. Abdul Khadeer, Mrs. P. Sruthi, Mr. G. Pranay Kumar, "An Experimental Investigation on Concrete with Partially or Fully Replacement of Treated Sea Sand as Fine Aggregate."
34. Sk. Hazeera, Mr. G. Pranay Kumar, "An Experimental Investigation on Suitability of Steel Slag as a Coarse Aggregate in Medium Strength Concrete."
35. G. Venkata Teja, Mrs. S. B. Gowthami, Mr. G. Pranay Kumar, "Experimental Investigation of Quarry Dust as a Partial Replacement of Fine Aggregate in Concrete."
36. Dilip Kumar, Mr. S. Sudheer Kumar, Mr. G. Pranay Kumar, "Comparison of Mechanical Properties, Durability and Permeability of M15, M20, M25 Grade of Pervious Concrete with Conventional Concrete."
37. Pokuri Venkataradha krishnamurthy, "Artificial Intelligence Based Entrance Door for Residential Flats," in International Conference on Advances in Modern Science

and Technology (ICAMSnt 2023), T.John Institute of Technology, Bangalore, Karnataka, India, 21-22 April 2023.

38. Lalitha T., Tammineni Sreelatha, Sumit Chaudhary, Rahul Bhagwat Mapari, Janardhan Saikumar, Harshal Patil, "Brain Tumour Edge Detection by Segmentation Technique," International Conference on Innovative Practices in Technology and Management.
39. P. Michael Joseph Stalin et al., "Characterization of Candle Making Wax (CMW) Using CuO Nanoparticles for Enhancing Thermal Storage Capability," Materials Today: Proceedings, vol. 50, pp. 1243-1247, 2022.
40. P. Michael Joseph Stalin et al., "Performance Improvement of Solar PV Through Thermal Management Using a Nano-PCM," Materials Today: Proceedings, vol. 50, pp. 1553-1558, 2022.

## **2021 – 2022**

### **Journal publications**

1. Raja Murugadoss Jayaraju, Kalyani Gaddam, Gokulan Ravindiran, M. Senthil Kumar. "Biochar from Waste Biomass as a Biocatalyst for Biodiesel Production: An Overview." Applied Nanoscience, DOI: 10.1007/s13204-021-01924-2, June 2021.
2. Sujatha Sivarethinamohan, Gokulan Ravindiran, Joga Rao Hanumanthu, Kalyani Gaddam, Praveen Saravanan, Senthil Kumar Muniasamy. "Effective Removal of Remazol Brilliant Orange 3R Using a Biochar Derived from *Ulva reticulata*." Energy Sources, Part A: Recovery, Utilization & Environmental Effects, Taylor & Francis, DOI: 10.1080/15567036.2021.1943070 (SCI Indexed).
3. M. Senthil Kumar, G. Kalyani, S. Mahendran, H. Joga Rao, R. Gokulan, R. Someswaran, C. Jenifa Latha, M. Palpandian. "Treatment of RO Rejects Wastewater by Integrated Coagulation Cum Adsorption Process." Polish Journal of Environmental Studies, Vol. 30, No. 5, 2021, pp. 4031-4038 (SCI Indexed).
4. Sujatha Sivarethinamohan, Joga Rao Hanumanthu, Kalyani Gaddam, Gokulan Ravindiran, Avinash Alagumalai. "Towards Sustainable Biodiesel Production by Solar Intensification of Waste Cooking Oil and Engine Parameter Assessment Studies." Science of the Total Environment, Vol. 804, 15 January 2022, Article 150236 (SCI Indexed)
5. G. Rajesh. "Secure Data Transfer and Deletion from Counting Bloom Filter in Cloud Computing." The International Journal of Analytical and Experimental Modal Analysis, Vol. XIII, Issue VII, ISSN: 0886-9367.
6. G. Rajesh. "Analysis of Crime Data Using Machine Learning Algorithm." JES, Vol. 12, Issue 07, July 2021, ISSN: 0377-9254.

7. G. Rajesh. "A Study on Various Machine Learning Techniques Used for Cancer Disease." JAC: A Journal of Composition Theory, Vol. XIV, Issue VI, ISSN: 0731-6755.
8. G. Rajesh. "Secure Data Transfer and Deletion from Counting Bloom Filter in Cloud Computing." The International Journal of Analytical and Experimental Modal Analysis, Vol. XIII, Issue VII, ISSN: 0886-9367.
9. G. Rajesh. "Deep Learning-Based Face Mask Detection for COVID-19 Safety." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
10. Supraja. "Forwarding Detection and Identification Anomaly in Software Defined Networks." Design Engineering, ISSN: 0011-9342.
11. U. Thirupalu. "Machine Learning Structural Equation Modeling Algorithm on Logistics and Supply Chain Management." Design Engineering, ISSN: 0011-9342.
12. U. Thirupalu. "Design and Development of an Effective Cryptographic System Using Diagonal Transposition, Substitution, and Oscillation Techniques." IJCRT, ISSN: 2320-2882.
13. U. Thirupalu. "A New Cryptosystem Using Oscillation Model." IJCRT, ISSN: 2320-2882.
14. U. Thirupalu. "A New Varying Cipher for Symmetric Key Cryptosystems." International Journal of Research in Engineering and Technology, ISSN: 2319-1163.
15. A. Venkateswarlu. "Design and Implementation of a Fog-Based Encrypted Control System in Public Clouds." Journal of Engineering Sciences.
16. A. Venkateswarlu. "Detection of Paddy Crop Disease Using Machine Learning." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
17. A. Venkateswarlu. "Enhancing One-to-Many Data Sharing Using Blockchain in Vehicular Social Networks." Journal of Engineering Sciences, ISSN: 0377-9254.
18. A. Venkateswarlu. "Sentiment Analysis of Customer Feedback on Restaurants Using Naïve Bayes Classifiers." Journal of Engineering Sciences, ISSN: 0377-9254.
19. B. Supraja. "Machine Learning Structural Equation Modeling Algorithm on Logistics and Supply Chain Management." Design Engineering, ISSN: 0011-9342.
20. Dr. N. Krishna Kumar. "Machine Learning Structural Equation Modeling Algorithm on Logistics and Supply Chain Management." Design Engineering, ISSN: 0011-9342.
21. U. Thirupalu. "Machine Learning Structural Equation Modeling Algorithm on Logistics and Supply Chain Management." Design Engineering, ISSN: 0011-9342.

22. U. Thirupalu. "A New Cryptosystem Using Oscillation Model." IJERT.
23. U. Thirupalu. "A New Varying Cipher for Symmetric Key Cryptosystems." International Journal of Research in Engineering and Technology, ISSN: 2319-1163.
24. A. Venkateswarlu. "Design and Implementation of a Fog-Based Encrypted Control System in Public Clouds." Journal of Engineering Sciences, ISSN: 0377-9254.
25. A. Venkateswarlu. "Detection of Paddy Crop Disease Using Machine Learning." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
26. A. Venkateswarlu. "Enhancing One-to-Many Data Sharing Using Blockchain in Vehicular Social Networks." Journal of Engineering Sciences, ISSN: 0377-9254.
27. A. Venkateswarlu. "Sentiment Analysis of Customer Feedback on Restaurants Using Naïve Bayes Classifiers." Journal of Engineering Sciences, ISSN: 0377-9254.
28. B. Supraja. "Forwarding Detection and Identification Anomaly in Software Defined Networks." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
29. Dr. N. Krishna Kumar. "Forwarding Detection and Identification Anomaly in Software Defined Networks." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
30. B. V.S. Uma Prathyusha, K. Ramesh Babu. "A Node Monitoring Agent-Based Handover Mechanism for Effective Communication in Cloud-Assisted MANETs in 5G." International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 13, No. 1, 2022. DOI: <http://dx.doi.org/10.14569/IJACSA.2022>. (Scopus Indexed).
31. Teekaraman, Y., & Manoharan, H. (2022). Implementation of a cognitive radio model for agricultural applications using hybrid algorithms. Wireless Personal Communications, 127, 505-522. <https://doi.org/10.1007/s11277-021-08279-5>
32. Kanagaraj, P., Ramadoss, R., Calpakkam, Y., & Basha, A.R. (2022). Brushless direct current motor with MV-PID controller management system based on ARM microcontroller. Circuit World, 48(2), 291-306. <https://doi.org/10.1108/CW-08-2020-0201>
33. Venkatachalam, K., Manoharan, H., Kumar, J.S., Reddy, P., Sugumaran, R., & Raja, M. (2021). An effective construction monitoring system using sensor-centered technologies. International Journal of System Assurance Engineering and Management. <https://doi.org/10.1007/s13198-021-01218-4>

34. Charan, U., Karumanchi, D., & Venkatachalam, K. (2021). Design and simulation of a 4-bit multiplier using carry look-ahead adder at transistor level. *Journal of VLSI Design Tools & Technology*, 11.
35. Swathi, P., & Jadda, A. (2022). Reversible logic-based signed Wallace tree multiplier design. *International Journal of Analytical and Experimental Modal Analysis*, 14.
36. Jadda, A. (2022). Adaptive Wiener filtering with AR-GWO-based optimized fuzzy wavelet neural network for enhanced speech enhancement. *Multimedia Tools and Applications*, 82, 24101-24125. <https://doi.org/10.1007/s11042-022-14180-5>
37. Surendra, D., Jadda, A., & Dhanumjaya, K. (2022). Design of a high-speed and area-efficient hybrid KS and BK tree adder architecture. *Advanced Engineering Science*, 54.
38. Achutha, M., Jadda, A., & Ramamohan, R. (2022). Design of an efficient VLSI architecture of a FIR filter using PPA adder and multiplier. *Advanced Engineering Science*, 54.
39. Premtej, P.S., Jadda, A., Babu, S., & Dhanumjaya, K. (2022). Medical assistant robot to serve quarantine patients using Raspberry Pi. *Solid State Technology*, 65, 101-105.
40. Sureindra Babu, S. (2022). Background suppression for lossless image compression using fuzzy clustering. *Advanced Engineering Science*.
41. Sureindra Babu, S. (2022). Medical assistance robot to serve quarantine patients using Raspberry Pi. *Solid State Technology*.
42. Karnati, V.R., Muthyala, K., Mandi, P., Karlapudi, T., & Chenchu Krishna, G. (2022). HRCT image denoising using wavelet transform and basic filtering. *Journal of Emerging Technologies and Innovative Research*, 9.
43. Narayana, G.V. (2022). Frequency regulation in two-area system with PSO-driven PID technique. *STM Journals*.
44. Dinesh Kumar, D. (2022). The voltage-fed series compensation-based ZVZCS topology and its tuning method for wireless electric vehicle battery charger. *International Research Journal of Engineering and Technology (IRJET)*.
45. Dinesh Kumar, D. (2022). An implementation of multimode operating capability for electric vehicle charging station. *International Research Journal of Engineering and Technology (IRJET)*.
46. Mohan Babu, A. (2022). Efficient crowd counting model using feature pyramid network and ResNeXt. *Soft Computing*.
47. Mohan Babu, A. (2022). Hyperparameter optimization for transfer learning of VGG16 for disease identification in corn leaves using Bayesian optimization. *Big Data*.

48. Sujatha, G. (2022). Structure, morphology, and ferroelectric behavior of  $\text{Ba}_{1-y}\text{Zn}_y\text{TiO}_3$  ( $y = 0.2, 0.4, 0.6 \text{ \& } 0.8$ ) nanoceramics. *Digest Journal of Nanomaterials and Biostructures*, 317-322.
49. Mallikarjuna, A. (2022). Structure, morphology, and ferroelectric behavior of  $\text{Ba}_{1-y}\text{Zn}_y\text{TiO}_3$  ( $y = 0.2, 0.4, 0.6 \text{ \& } 0.8$ ) nanoceramics. *Digest Journal of Nanomaterials and Biostructures*.
50. Rajaiah, M. (2022). Ordinary least squares estimation of parameters of linear model. *Journal of Mathematical and Computational Science*.
51. Rajaiah, M. (2022). A study on mathematical and statistical aspects of linear models. *Turkish Journal of Computer and Mathematics Education*.
52. Rajaiah, M. (2022). Math behind the mysterious number 6174. In *Intelligent and Reliable Engineering Systems: 11th International Conference on Intelligent Energy Management, Electronics, Electric & Thermal Power, Robotics and Automation (IEMERA-2020)*.
53. Mallikarjuna, A. (2022). Structural transformation and high negative dielectric constant behavior in  $(1-x)(\text{Al}_{0.2}\text{La}_{0.8}\text{TiO}_3) + (x)(\text{BiFeO}_3)$  ( $x = 0.2-0.8$ ) nanocomposites. *Physica E: Low-Dimensional Systems and Nanostructures*.
54. Mallikarjuna, A. (2022). Structural transformation and dielectric properties of  $(1-x)(\text{Al}_{0.2}\text{La}_{0.8}\text{TiO}_3) + (x)(\text{BiZnO}_3)$  ( $x=0.2-0.8$ ) nanocomposites. *Journal of Inorganic and Organometallic Polymers and Materials*.
55. Rajaiah, M. (2022). A study on the sum of positive integral powers of positive integers. *European Journal of Molecular & Clinical Medicine*.
56. Harnath, Y. (2022). An innovative study on reverse derivation in nearrings. *European Journal of Molecular & Clinical Medicine*.
57. Sujatha, G. (2022). Optimization studies on alkaline protease of *Aspergillus niger* isolated from seashore soil of Bay of Bengal. *World Journal of Pharmacy and Pharmaceutical Sciences*.
58. Mallikarjuna, A. (2022). Structural and dielectric properties of  $(1-x)(\text{Al}_{0.2}\text{La}_{0.8}\text{TiO}_3) + (x)(\text{BiZnFeO}_3)$  ( $x=0.2-0.8$ ) nanocomposites. *Journal of Inorganic and Organometallic Polymers and Materials*.
59. Mallikarjuna, A. (2022). Photocatalytic activity, negative ac electrical conductivity, dielectric modulus, and impedance properties in  $(0.6)(\text{Al}_{0.2}\text{La}_{0.8}\text{TiO}_3) + (0.4)(\text{BiFeO}_3)$  nanocomposites. *Crystal Research and Technology*.
60. Mohan Babu, A. (2022). Spectral studies of  $\text{Dy}^{3+}$ : Zinc phosphate glasses for white light source emission applications: A comparative study. *Journal of Non-Crystalline Solids*.
61. Mohan Babu, A. (2022). Erbium (III) ion-doped borate-based glasses for  $1.53 \mu\text{m}$  broadband applications. *Luminescence*.

62. Sujatha, G. (2022). Structure, morphology, and ferroelectric behavior of Ba<sub>1-y</sub>ZnyTiO<sub>3</sub> (y=0.2, 0.4, 0.6 & 0.8) nanoceramics. *Digest Journal of Nanomaterials and Biostructures*.
63. Mallikarjuna, A. (2022). Structure, morphology, and ferroelectric behavior of Ba<sub>1-y</sub>ZnyTiO<sub>3</sub> (y=0.2, 0.4, 0.6 & 0.8) nanoceramics. *Digest Journal of Nanomaterials and Biostructures*.
64. Vijaya Nirmala, K., Thyagaraju, M., & Jaya Kranth, R. (2021). Machine learning algorithm: Multiple linear regression analysis on employee job performance using R programming. *Journal of Design Engineering*, 8, 9420-9435.
65. Vijaya Nirmala, K., Thyagaraju, M., & Jaya Kranth, R. (2021). The mediating role of career planning and development – Human resource development practices between training and development – performance appraisal – employee compensation and quality of work life. *Journal of Design Engineering*, 9, 10132-10143
66. Chandrasekhar, V., & Pavan Kumar, A.V. (2022). An ensemble learning approach for identifying fake news detection. *Journal of Engineering Sciences*, 13(8)
67. Chandrasekhar, V., & Chandramouli, A. (2022). High-level voice-based website authentication system. *Journal of Engineering Sciences*, 13(9)
68. Vijayakumar, M., Sivankalai, S., Michael Joseph Stalin, P., Kumaresan, G., Selvakumar, P., & Manikandan, V. (2021). A scientometric analysis on the development of nanofluids for heat transfer and fluid flow applications. *Solid State Technology*, 64(2), 3667-3684.
69. Sivamaran, V., Azaruddin, S., Sivaprasad, K., Ravikumar, K., & Kumar, V.M. (2021). A short review on applications of aluminum composites: Automotive, aerospace and aircraft, rail transport, and marine transport industry. *Journal of Production & Industrial Engineering (JPiE)*, 2(2).

## Conference articles

1. Thirupalu, U., et al. (2022). Reduced plaintext for ciphers (RPC) algorithm. In *Proceedings of the International Virtual Conference on Machine Learning Applications in Applied Sciences and Mathematics (IVCMASM 2022)*, organized by the Department of Artificial Intelligence and Data Science, Easwari Engineering College, March 30-31, 2022.
2. Sreenivasulu, P. (2021). Grape leaf disease identification using Keras and OpenCV. In *Proceedings of the International Conference on Innovations in Electronics, Electrical & Communication Technologies (ICIEECT-21)*.
3. Sarma, C.A., Inthiyaz, S., Madhav, B.T.P., & Sree Lakshmi, P. (2021). Frequency reconfigurable elliptical microstrip patch antenna using resonator, partial removal

in the ground, and PIN diode for L and C band applications. Journal of Physics: Conference Series, 1804, 012183. <https://doi.org/10.1088/1742-6596/1804/1/012183>

4. Kumar, P.M., Sudarvizhi, D., Michael Joseph Stalin, P., Aarif, A., Abhinandhana, R., Renuprasanth, A., Sathya, V., & Ezhilan, N.T. (2021). Thermal characteristics analysis of a phase change material under the influence of nanoparticles. *Materials Today: Proceedings*, 45, 7876-7880.
5. Vigneshkumar, N., Venkatasudhahar, M., Kumar, P.M., Ramesh, A., Subbiah, R., Michael Joseph Stalin, P., Suresh, V., Kumar, M.N., Monith, S., & Kriuthikeswaran, M. (2021). Investigation on indirect solar dryer for drying sliced potatoes using phase change materials (PCM). *Materials Today: Proceedings*, 47, 5233-5238.
6. Michael Joseph Stalin, P., Arjunan, T.V., Matheswaran, M.M., Kumar, P.M., & Sadanandam, N. (2021). Investigations on thermal properties of CeO<sub>2</sub>/water nanofluids for heat transfer applications. *Materials Today: Proceedings*, 47, 6815-6820.
7. Kumar, P.M., Karthick, A., Richard, S., Vijayakumar, M., Michael Joseph Stalin, P., Kumar, D.G., Aswanth, G., Aswath, M., & Eswarlal, V.K. (2021). Investigating the performance of solar photovoltaic using a nano phase change material. *Materials Today: Proceedings*, 47, 5029-5033.
8. Sundaram, M., Chinnasamy, R., Ragu Nathan, S., & Sivamaran, Venkatesan. Assessment of the influence of FSSW parameters on shear strength of dissimilar materials joint (AA6061/AZ31B). *International Journal of Lightweight Materials and Manufacture*, 2588-8404.
9. Venkatesan, S., Manoharan, H., Teekaraman, Y., & Radhakrishnan, A. Optimization drive on a flat tire vehicular system for autonomous E-vehicles using network distribution simulations. *Journal of Advanced Transportation*, 2042-3195.
10. Venkatesan, S., Guru Pradeep, A., Marella, N., & Naveenkumar. Optimization drive on a flat tire vehicular system for autonomous E-vehicles using network distribution simulations. *Journal of Advanced Transportation*, 2042-3195.

## 2020 – 2021

### Journal publications

1. Mahendran, S., Gokulan, R., Aravindan, A., Joga Rao, H., Kalyani, G., Praveen, S., Bhagavathi Pushpa, T., & Senthil Kumar, M. (2021). Production of *Ulva prolifera* derived biochar and evaluation of adsorptive removal of Reactive Red 120: Batch, isotherm, kinetic, thermodynamic, and regeneration studies. *Biomass Conversion and Biorefinery*.



2. Lenin Sundar, M., Kalyani, G., Gokulan, R., Raghunath, S., & Joga Rao, H. (2021). Comparative adsorptive removal of Reactive Red 120 using RSM and ANFIS models in batch and packed bed column. *Biomass Conversion and Biorefinery*.
3. Mahendran, S., Gokulan, R., Aravindan, A., Joga Rao, H., Kalyani, G., Praveen, S., Bhagavathi Pushpa, T., & Senthil Kumar, M. A marine seaweed *Ulva prolifera* derived biochar for the decolorization of Reactive Red 120. *Biomass Conversion and Biorefinery*.
4. Kalyani, G., & Gokulan, R. (2021). Biosorption of zinc metal ion in aqueous solution using biowaste of *Pithophora cleveana* Wittrock and *Mimusops elengi*. *Desalination and Water Treatment*, 218, 363–371.
5. Kalyani, G., Mahendran, S., & Gokulan, R. (2020). Removal of lead metal ion using biowaste of *Pithophora cleveana* Wittrock and *Mimusops elengi*. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*. <https://doi.org/10.1080/15567036.2020.1831657>
6. Kalyani, G., Rahman, Z., Vijayakumar, A., & Senthil Kumar, M. (2020). Biochar derived from *Caulerpa scalpelliformis* for the removal of Reactive Yellow 81 in batch and packed bed column. *Biomass Conversion and Biorefinery*.
7. K. Venkata Rathnam. "Parkinson's Detection Using Machine Learning." In *Proceedings of the Fifth International Conference on Intelligent Computing and Control Systems (ICICCS 2021)*.
8. G. Rajesh. "Face Recognition Using VIOLA-JONES Algorithm." *The International Journal of Analytical and Experimental Modal Analysis*, ISSN: 0886-9367.
9. A. Hemanth. "Home Automation by IoT." *The International Journal of Analytical and Experimental Modal Analysis*, ISSN: 0886-9367.
10. A. Venkateswarlu. "Detecting Brain Tumor Using Machine Learning." *The International Journal of Analytical and Experimental Modal Analysis*, ISSN: 0886-9367.
11. B. Hari Babu. "AI Chatbot for Health Care Using TF-IDF Algorithm." *The International Journal of Analytical and Experimental Modal Analysis*, ISSN: 0886-9367.
12. B. Saranya. "Toxic Comment Classification Using TF-IDF Algorithm." *The International Journal of Analytical and Experimental Modal Analysis*, ISSN: 0886-9367.
13. B. Supraj. "Design and Implementation of Fog-Based Encrypted Control System in Public Clouds." *Journal of Engineering Sciences*, ISSN: 0377-9254.
14. B. Supraj. "Enhancing One-to-Many Data Sharing Using Blockchain in Vehicular Social Networks." *Journal of Engineering Sciences*, ISSN: 0377-9254.
15. B. Supraj. "Sentiment Analysis of Customer Feedback on Restaurants Using Naïve Bayes Classifier." *Journal of Engineering Sciences*, ISSN: 0377-9254.

16. B. Teja. "Detection of Paddy Crop Disease Using Machine Learning." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
17. C. Sai Murali. "A Sentiment Analysis Engine for Online Product Reviews Using Rule-Based Approach." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
18. D. Nagaraju. "Smart Billing System." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
19. D. Niroopa. "Virtual Private Network." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
20. D. Surendra. "Home Automation Using SMS." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
21. Dr. Bhukya Venkanna. "Virtual Private Network." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
22. Dr. G. Venu Madhava Rao. "Home Automation by IoT." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
23. Dr. M. Bhargavi. "A Secure and Lightweight Multifactor Authentication Scheme for Industrial IoT Systems." Journal of Interdisciplinary Cycle Research, ISSN: 0022-1945.
24. Dr. M. Chandra Naik. "AI Chatbot for Health Care Using TF-IDF Algorithm." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
25. Dr. M. Manohar Kumar. "A Sentiment Analysis Engine for Online Product Reviews Using Rule-Based Approach." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
26. Dr. N. Srinivasulu. "Email Services for Visually Challenged." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
27. Dr. Naveen Kumar S. "A Review on Crude Oil Prices Forecast Based on EMD and BP Neural Network." Journal of Engineering Science, ISSN: 0377-9254.
28. Dr. Naveen Kumar S. "Fake Profile Identification in Online Social Networks Using ANN." Journal of Engineering Science, ISSN: 0377-9254.
29. Dr. P. Karnunakar Reddy. "Mobile Cloud Computing: Its Applications and Computation Using Map Reduce." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
30. Dr. K. Venkata Nagendra. "Detection of Disease in Maize Plant Using Deep Learning." Alinteri Journal of Agriculture Sciences, Web of Science.
31. Dr. K. Venkata Nagendra. "Grain Yield Estimation in Cultivated Land Using Machine Learning Techniques." Alinteri Journal of Agriculture Sciences, Web of Science.
32. Dr. K. Venkata Nagendra. "Holt Fire Occurrence Using Machine Learning." Journal of Information and Computational Science, ISSN: 1548-7741.
33. Dr. K. Venkata Nagendra. "Identification of Student Facial Emotions Using CNN." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.

34. Dr. K. Venkata Nagendra. "Rice Leaf Disease Prediction Using Convolutional Neural Network." JAC: A Journal of Composition Theory, ISSN: 0731-6755.
35. Dr. K. Venkata Nagendra. "Using Different Machine Learning Algorithms for Analysis and Prediction of Earthquake Impact." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
36. Dr. P. C. Prabhu Kumar. "A Framework for Fully Automated Home Using IoT Reliable Protocol Stack and Smart Gateway." International Journal of Robotics and Automation Technology, ISSN: 2409-9694.
37. Dr. P. Chandra Kanth. "A Study on Various Machine Learning Techniques Used for Cancer Disease." JAC: A Journal of Composition Theory, ISSN: 0731-6755.
38. Dr. P. Chandra Kanth. "An Improved Framework for Content-Based Image Retrieval Based on Chemical Reaction Optimization." Turkish Online Journal of Qualitative Inquiry, ISSN: 1309-6591.
39. Dr. P. Chandra Kanth. "Elective Ensembling Methods on Classification Using Data Anonymization for Health Care Data." Turkish Online Journal of Qualitative Inquiry, ISSN: 1309-6591.
40. Dr. P. Chandra Kanth. "Ensemble Classification Approach for Machine Learning Using Diabetes Mellitus Data." JAC: A Journal of Composition Theory, ISSN: 0731-6755.
41. Dr. P. Chandra Kanth. "Prediction of Hepatitis Disease Using Machine Learning Techniques." JAC: A Journal of Composition Theory, ISSN: 0731-6755.
42. B. Saranya. "Automated Phrase Mining from Massive Text Corpora." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
43. B. Saranya. "Detection of Suicide-Related Posts in Twitter Data Streams." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
44. G. Rajesh. "Deep Learning-Based Face Mask Detection for COVID-19 Safety." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
45. V. Sreenatha Sarma. "Deep Learning-Based Face Mask Detection for COVID-19 Safety." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
46. Dr. N. Krishna Kumar. "Simulation Modeling of Green Practices in Business." Design Engineering, ISSN: 0011-9342.
47. Dr. N. Krishna Kumar. "The Mediating Role of Customer Satisfaction on the Relationship Between Price, Quality, Services, and Customer Retention." Design Engineering, ISSN: 0011-9342.
48. U. Thirupalu. "Proficient Control Strategies for Distributed Generation of Voltage in Unbalanced Grid Coupled Systems." International Journal of Innovative Research in Engineering.
49. D. Nagaraju. "Smart Billing System." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.

50. G. Pridhvi Raju. "Smart Billing System." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
51. G. Rajesh. "The Use of Social Media." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
52. Y. Kumar. "The Use of Social Media." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
53. N. Madhu. "Toxic Comment Classification Using TF-IDF Algorithm." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
54. D. Niroopa. "Virtual Private Network." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
55. Dr. N. Krishna Kumar. "Design and Implementation of Fog-Based Encrypted Control System in Public Clouds." Journal of Engineering Sciences, ISSN: 0377-9254.
56. A. Venkateswarlu. "Detecting Brain Tumor Using Machine Learning." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
57. G. Pridhvi Raju. "Detecting Brain Tumor Using Machine Learning." The International Journal of Analytical and Experimental Modal Analysis, ISSN: 0886-9367.
58. K. Naveenkumar, R. Kannan, S. Ganesan, S. Subramanian, M. Hariprasath. "Distribution system state estimation with elegant PMU placements using a novel metaheuristic." International Journal of Sustainable Green Energy and Communication, 2020, Pages 38-59. <https://doi.org/10.1504/IJSGGC.2020.109605>
59. Urooj S., Alrowais F., Teekaraman Y., Manoharan H., Kuppusamy R. "IoT Based Electric Vehicle Application Using Boosting Algorithm for Smart Cities." Energies, Volume 14, 2021. <https://doi.org/10.3390/en14041072>
60. Urooj S., Alrowais F., Kuppusamy R., Teekaraman Y., Manoharan H. "New Gen Controlling Variable Using Dragonfly Algorithm in PV Panel." Energies, Volume 14, 2021. <https://doi.org/10.3390/en14040790>
61. Manoharan H., Teekaraman Y., Kuppusamy R., Radhakrishnan A. "A Novel Optimal Robotized Parking System Using Advanced Wireless Sensor Network." Journal of Sensors, Volume 2021, 2021. DOI:10.1155/2021/2889504 (Retracted)
62. Manoharan H., Teekaraman Y., Kuppusamy R., Radhakrishnan A., Jabarulla M.Y. "A Prognostic Three-Axis Coordination Model for Supply Chain Regulation Using Machine Learning Algorithm." Scientific Programming, Volume 2021, 2021. <https://doi.org/10.1155/2021/1894768>
63. Manoharan H., Teekaraman Y., Kuppusamy R., Radhakrishnan A. "An Intellectual Energy Device for Household Appliances Using Artificial Neural Network."

- Mathematical Problems in Engineering, Volume 2021, 2021. <https://doi.org/10.1155/2021/7929672>
64. Manoharan H. "An Operative Constellation Rate for Smart Safety Units Using Internet of Things." *Concurrency and Computation: Practice and Experience*, Volume 33, 2021. <https://doi.org/10.1002/cpe.6085>
  65. Venkatachalam K., Manoharan H., Kumar J.S., Reddy P., Sugumaran R., Raja M. "An Effective Construction Monitoring System Using Sensor Centered Technologies." *International Journal of System Assurance Engineering and Management*, 2021. <https://doi.org/10.1007/s13198-021-01218-4>
  66. Shitharth S., Meshram P., Kshirsagar P.R., Manoharan H., Tirth V., Sundramurthy V.P. "Impact of Big Data Analysis on Nanosensors for Applied Sciences Using Neural Networks." *Journal of Nanomaterials*, Volume 2021, 2021. <https://doi.org/10.1155/2021/4927607>
  67. Kshirsagar P.R., Manoharan H., Tirth V., Naved M., Siddiqui A.T., Sharma A.K. "Automation Monitoring with Sensors for Detecting COVID Using Backpropagation Algorithm." *KSII Transactions on Internet and Information Systems*, Volume 15, 2021, Pages 2414-2433. <https://doi.org/10.3837/tiis.2021.07.007>
  68. Teekaraman Y., Manoharan H., Basha A.R., Manoharan A. "Hybrid Optimization Algorithms for Resource Allocation in Heterogeneous Cognitive Radio Networks." *Neural Processing Letters*, Volume 55, 2020, Pages 3813-3826. <https://doi.org/10.1007/s11063-020-10255-2>
  69. Manoharan H., Teekaraman Y., Kirpichnikova I., Kuppusamy R., Nikolovski S., Baghaee H.R. "Smart Grid Monitoring by Wireless Sensors Using Binary Logistic Regression." *Energies*, Volume 13, 2020. <https://doi.org/10.3390/en13153974>
  70. Manoharan H., Basha A.R., Teekaraman Y., Manoharan A. "Smart Home Autonomous Water Management System for Agricultural Applications." *World Journal of Engineering*, Volume 17, 2020, Pages 445-455.
  71. Manoharan H., Teekaraman Y., Kshirsagar P.R., Sundaramurthy S., Manoharan A. "Examining the Effect of Aquaculture Using Sensor-Based Technology with Machine Learning Algorithm." *Aquaculture Research*, Volume 51, 2020, Pages 4748-4758.
  72. Basha A.R., Manoharan H. "Enhanced Life Time Improvement for Wireless Body Sensor Networks Using Optimal Clustering and Advanced Path Selection Protocol." *Wireless Personal Communications*, Volume 119, 2021, Pages 2123-2146. <https://doi.org/10.1007/s11277-021-08322-5>
  73. B. Jegajothi et al. "WITHDRAWN: A Centralized Embedded Controller for Maximum Power Point Tracking in Solar Photovoltaic System Under Fluctuating

- Irradiance Condition." *Microprocessors and Microsystems*, 2021. <https://doi.org/10.1016/j.micpro.2021.104037>
74. K. Prathibanandhi et al. "Improved Torque Performance in BLDC-Motor-Drive Through Jaya Optimization Implemented on Xilinx Platform." *Microprocessors and Microsystems*, Volume 81, 2021. <https://doi.org/10.1016/j.micpro.2020.103681>
75. Chellaswamy C., Geetha T.S., Vanathi A., Venkatachalam K. "An IoT Based Rail Track Condition Monitoring and Derailment Prevention System." *International Journal of RF Technologies: Research and Applications*, Volume 11, 2020, Pages 81-107. <https://doi.org/10.3233/RFT-190210>
76. K. Dhanunjaya, Uppala Sumanth. "An Efficient and High Throughput AWS Based Face Recognition Using OpenCV." *International Journal of Advanced Science and Technology*, Volume 29, 2020, Pages 5881-5887.
77. K. Dhanunjaya. "Latency Optimized Low Density Digital Bi-Cubic Interpolation Using Radix-16 Booth Encoding." *High Technology Letters*, Volume 26, 2020, Pages 93-102.
78. Dhanunjaya K., Shaik Noucia Azad. "Optimized Maximum-Swing Gate Diffusion Input Technology for Low Power 1-Bit Full Adders." *Journal of Xi'an University of Architecture & Technology*, Volume 12, 2020, Pages 445-452.
79. Macharla Umamaheswara Rao, Amarendra Jadda. "Automated and Reliable Smart Home System Using Blockchain." *International Journal of Advanced Science and Technology*, Volume 29, 2020.
80. Sreenivasulu P., Varadarajan S. "An Efficient Lossless ROI Image Compression Using Wavelet-Based Modified Region Growing Algorithm." *Journal of Intelligent Systems*, Volume 29, 2020, Pages 1063-1078. <https://doi.org/10.1515/jisys-2018-0180>
81. P. Sreenivasulu, S. Varadharajan. "Algorithmic Analysis on Medical Image Compression Using Improved Rider Optimization Algorithm." In *Innovations in Computer Science and Engineering: Proceedings of 7th ICICSE*, Volume 103, 2020.
82. P. Sreenivasulu, Thumburu Rekha. "Fogging Based Street Light Management System for Smart City." *Journal of Xi'an University of Architecture & Technology*, Volume 12, 2020, Pages 494-502.
83. P. Sree Lakshmi, Dr. A. Deepak, Ch. Mohan Siva Prasad. "Review on Application of Remote Sensors in Cultivation." *International Journal of Advanced Science and Technology*, Volume 29, No. 7, 2020, Pages 209-212.
84. P. Sree Lakshmi, Dr. A. Deepak, Ch. Mohan Siva Prasad. "Performance Evaluation of Remote Network Using Quadratic Noise Mathematical Model." *International*

Journal of Advanced Science and Technology, Volume 29, No. 7, 2020, Pages 213-218.

85. P. Sree Lakshmi, V. Meghana, M. Mahitha, L. Sasidhar Reddy, B. Pavan Kumar. "Adaptive Beamforming Using LMS Algorithm for Smart Antenna." Advanced Trends in Computer Science and Information Technology, 2020.
86. P. Sree Lakshmi, Dr. A. Deepak, Ch. Amarnatha Sarma. "Design of Slotted Microstrip Patch Antenna with Etched Ground Plane for Ku & Ka Band Applications Using HFSS." International Journal of Advanced Science and Technology, Volume 29, No. 7, 2020, Pages 8388-8398.
87. S. Dhayanandh. "Designing of Improved Series Resonant Inverter with FPGA Controller for Heating Applications." Journal of Circuits, Systems, and Computers, 2150088. <https://www.worldscientific.com/doi/abs/10.1142/S0218126621500882>
88. S. Dhayanandh. "Impact of the Power Grid on Charging Stations of Various Power Rating and Sizes." Revista GEINTEC, 2237-0722. <https://www.revistageintec.net/index.php/revista/article/view/2033/1357>
89. K.C. Ramakrishnan. "Impact of the Power Grid on Charging Stations of Various Power Rating and Sizes." Revista GEINTEC, 2237-0722. <https://www.revistageintec.net/index.php/revista/article/view/2033/1357>
90. V. Surya Narayana Reddy. "Impact of the Power Grid on Charging Stations of Various Power Rating and Sizes." Revista GEINTEC, 2237-0722. <https://www.revistageintec.net/index.php/revista/article/view/2033/1357>
91. S. Udhaya Bhaskar. "Impact of the Power Grid on Charging Stations of Various Power Rating and Sizes." Revista GEINTEC, 2237-0722. <https://www.revistageintec.net/index.php/revista/article/view/2033/1357>
92. D. Kavitha. "Fekete Szego Properties for the Class of Mocanu Functions Associated with Q-Ruscheweyh Operator." J. Math. Comput. Sci. 1927-5307. <http://scik.org/index.php/jmcs>
93. Dr. Y. Harnath. "Revisited the Critical Load Assessment of Huang et al. on Willems Tested Beek Column." Pertanika J. Sci. & Technol., 29(1):251-162 (2021). 0128-7680. <https://doi.org/10.47836/pjst.29.1.14>
94. Harnath, Y. "An Innovative Study on Reverse Derivation in Nearings." European Journal of Molecular & Clinical Medicine. 2515-8260. [https://ejmcm.com/article\\_5351\\_cd80e5bbd52e9efdfab9c79c339db5cb.pdf](https://ejmcm.com/article_5351_cd80e5bbd52e9efdfab9c79c339db5cb.pdf)
95. Harnath, Y. "Generalization of Sum of Positive Integral Powers of Natural Numbers." European Journal of Molecular & Clinical Medicine. 2515-8260. [https://ejmcm.com/article\\_5271\\_880114c50955da16c54e4ceaddad56f9.pdf](https://ejmcm.com/article_5271_880114c50955da16c54e4ceaddad56f9.pdf)
96. D. Kavitha. "Coefficient Estimates for Some Subclasses of Analytic Functions Associated with Haradam Polynomial." Advances in Mathematics: Scientific Journal. 1857-8365. <https://research-publication.com/wp-content/uploads/2020/vol-9-n12/AMSJ-2020-N12-1.pdf>

97. Harnath, Y. "The Effect on Radially Varying MHD Heat and Mass Transfer on Peristaltic Flow of Williamson Fluid in a Vertical Annulus." IJMPERD. 2249–6890. [Link not provided]
98. Dr. Y. Harnath. "Revisited the Critical Load Assessment of Huang et al. on Willems Tested Beek Column." *Pertanika J. Sci. & Technol.*, 29(1):251-162 (2021). 0128-7680. <https://doi.org/10.47836/pjst.29.1.14>
99. Rajaiah, M. "The Effect on Radially Varying MHD Heat and Mass Transfer on Peristaltic Flow of Williamson Fluid in a Vertical Annulus." IJMPERD. 2249–6890. [Link not provided]
100. Harnath, Y. "An Innovative Study on Reverse Derivation in Nerrings." *European Journal of Molecular & Clinical Medicine*. 2515-8260. [https://ejmcm.com/article\\_5351\\_cd80e5bbd52e9efdfab9c79c339db5cb.pdf](https://ejmcm.com/article_5351_cd80e5bbd52e9efdfab9c79c339db5cb.pdf)
101. A. Mallikarjuna. "Structural Transformation and High Negative Dielectric Constant Behavior (1-x)(Al<sub>0.2</sub>La<sub>0.8</sub>TiO<sub>3</sub>+(x)(Bifeo<sub>3</sub>)(x=0.2-0.8) Nanocomposites." *Physica E: Low Dimensional Systems and Nanostructures*. 122-114204. <https://doi.org/10.1016/j.physe.2020.114204>
102. D. Kavitha. "Coefficient Estimates for Some Subclasses of Analytic Functions Associated with Haradam Polynomial." *Advances in Mathematics: Scientific Journal*. 1857-8365. <https://research-publication.com/wp-content/uploads/2020/vol-9-n12/AMSJ-2020-N12-1.pdf>
103. Michael Joseph Stalin, T. V. Arjunan, M. M. Matheshwaran, and N. Sadanandam. "Effects of CeO<sub>2</sub>/water Nanofluid on the Efficiency of Flat Plate Solar Collector." *Journal of the Chinese Society of Mechanical Engineers*, vol. 41, no. 1, 2020, pp. 75-83.
104. P. Michael Joseph Stalin, T. V. Arjunan, M. M. Matheshwaran, H. Dolli, and N. Sadanandam. "Energy, Economic and Environmental Investigation of a Flat Plate Solar Collector with CeO<sub>2</sub>/water Nanofluid." *Journal of Thermal Analysis and Calorimetry*, vol. 139, 2020, pp. 3219-3233.
105. Sivamaran, V., Balasubramanian, V., Gopalakrishnan, M., Viswabaskaran, V., Rao, A. G., and Sivakumar, G. "Mechanical and Tribological Properties of Self-Lubricating Al 6061 Hybrid Nano Metal Matrix Composites Reinforced by nSiC and MWCNTs." *Surfaces and Interfaces*, vol. 21, 2020, p. 100781.
106. Calaph, Y. C., Subramanian, K. M., P. Michael Joseph Stalin, and N. Sadanandam. "Experimental and Theoretical Analysis of Tool Life Between Plasma Enhanced CVD and PVD Multilayer Nanocoated Cutting Tools." *Materials Research Express*, vol. 7, no. 1, 2020, p. 016576.
107. Pasupathi, M. K., Alagar, K., P. Michael Joseph Stalin, and Aritra, G. "Characterization of Hybrid-Nano/Paraffin Organic Phase Change Material for Thermal Energy Storage Applications in Solar Thermal Systems." *Energies*, vol. 13, no. 19, 2020, p. 5079.



## Conference articles

1. **U. Thirupalu** and Dr. E. Keswvulu Reddy. "A New Cryptosystem Using Oscillation Model." *International Conference on Computing, Communications and Data Engineering (CCODE – 2020)*, organized by the Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati, 517502.
2. U. Thirupalu et al. "A New Varying Cipher for Symmetric Key Cryptosystems." *National Conference on Information Security and Data Security in Cloud Computing (ISDSCC2K21)*, organized by the Department of Computer Science, Sri Venkateswara University, Tirupati, 29-30 April 2021.
3. Madhavan J., Antony S. J. S., Sakthisudhan K., Venkatachalam K. "A 3x4 Grid of Jerusalem Crossed Shaped Patch Strip Mounted on Epoxy Materials & Cancer Detection by Composites." *Materials Today: Proceedings*, vol. 45, 2020, pp. 6444-6448, DOI: 10.1016/j.matpr.2020.11.279.
4. S. Dhayanandh. **"Designing of Improved Series Resonant Inverter with FPGA Controller for Heating Applications."** *Journal of Circuits, Systems, and Computers*, 2150088. [Link](#).
5. S. Dhayanandh. "Impact of the Power Grid on Charging Stations of Various Power Rating and Sizes." *Revista GEINTEC*, 2237-0722. [Link](#)
6. K. C. Ramakrishnan. "Impact of the Power Grid on Charging Stations of Various Power Rating and Sizes." *Revista GEINTEC*, 2237-0722. [Link](#).
7. V. Surya Narayana Reddy. "Impact of the Power Grid on Charging Stations of Various Power Rating and Sizes." *Revista GEINTEC*, 2237-0722. [Link](#).
8. S. Udhaya Bhaskar. "Impact of the Power Grid on Charging Stations of Various Power Rating and Sizes." *Revista GEINTEC*, 2237-0722. [Link](#)
9. K. Jahnavi, K. Vijaya Nirmala. "Role of MSME in Entrepreneurs Development in India." In *Impact of Globalization on MSMEs – Prospects, Challenges and Policy Implications on Growth*, Pratham Publications, 2020
10. B. Sreeja, K. Vijaya Nirmala. "Impact of Globalization: Micro, Small and Medium Enterprises." In *Impact of Globalization on MSMEs – Prospects, Challenges and Policy Implications on Growth*, Pratham Publications, 2020
11. Ch. Sireesha, K. Vijaya Nirmala. "Challenges to Indian MSME in the Era of Globalization." In *Impact of Globalization on MSMEs – Prospects, Challenges and Policy Implications on Growth*, Pratham Publications, 2020
12. T. Shilpa Shinde, T. Rukmani Shinde, K. Vijaya Nirmala. "Prospects, Challenges and Policy Implications on National Growth." In *Impact of Globalization on MSMEs – Prospects, Challenges and Policy Implications on Growth*, Pratham Publications, 2020.

