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SIDDARTHA INSTITUTE OF SCIENCE AND TECHNOLOGY, PUTTUR

JOURNAL PUBLICATIONS

2021-22

1. G. Sriram, TR Ganeshbabu, R Praveena, **J V Anand**, "Classification of Leukemia and Leukemoid Using VGG-16 Convolutional Neural Network Architecture," Tech Science Press, Vol. 19, no. 1, sept. 2022 . ISSN: 1556-5300

2. Rajesh Shyamala Devi, K Sureshkumar, **J V Anand**, "Transmission Energy Consumption analysis using Ridge Regression in Wireless sensor Nodes," International Journal of Powertrains, InderScience , 2022 (in press).

3. T. Junaid, D. Sumathi, A.N. Sasikumar, S. Suthir, J. Manikandan, Rashmita Khilar, P.G. Kuppuswamy, **M. Janardhana Raju**, "A comparative analysis of transformer based models for figurative language classification," Computer and Electrical Engineering, Elsevier 101, 108051, april 2022.

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5. A Senthil kumar, V Thirunavukkarasu, G Suresh, **K Gunasekaran**, "Energy Efficient Relay Construction for Reliable Routing in WSN-IoT," NeuroQuantology ,Volume 20 , Issue 6, Page 804-810, June 2022.

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6. Radhika Baskar, R Dhanagopal, K Elangovan, **K Gunasekaran**, "VLSI Based Architecture in ECG Monitoring for Adaptive Power Management In Wireless Bio-Signal Acquisition Network," Journal of Physics: Conference Series 1964 (2021) 062090, IOP, Publishing: doi:10.1088/1742-6596/1964/6/062090.

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7. K **Gunasekaran**, Radhika Baskar, R Dhanagopal, and K Elangovan, "Classification of FPGA Based Network Traffic Using Machine Learning," Journal of Physics: Conference Series 1964 (2021) 062008, IOP Publishing doi:10.1088/1742-6596/1964/6/062008.

8. Viswanathan Chakravarthi, **K. Gunasekaran**, Nijandan and S. Devikala, "Energy Efficient and Hybrid Bio-inspired Ant-Cuckoo Algorithm for Wireless sensor network,", Bioscience Biotechnology Research Communications Special issue vol. 14, no. 06, 2021.

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9. **N. Chamanthi**, R. Chandrika, K. Gowtham, P. Chakri, S.Bhavya, R. Gopinath, " RFID based Electronic Voting Machine using OTP and Bio-metric Verification," Quest Journals, Journal of Electronics and Communication Engineering Research, vol.8, no. 5, pp. 12-18, may 2022. ISSN(online):2321-5941.

10. **C. Laxmana Sudheer**, "Area-Delay and Energy Efficient Multi Operand Binary Tree Adder," International Journal of Scientific Research and Engineering Development(IJSRED-V512P81), vol.5,no. 2 mar-april 2022.

11. **C. Laxmana Sudheer**, "Bus ticketing System using RFID, GPS, & GSM Modules," International Journal of Scientific Research and Engineering Development(IJSRED-V512P81), vol.5,no. 2 mar-april 2022.

12. **M. Vijayalakshmi**, "Design and Development of an Agribot," International Journal of Scientific Research and Engineering Development(IJSRED-V512P99), vol.5,no. 2 mar-april 2022.

13. **M. Vijayalakshmi**, "Digital Audio Book," International Journal of Scientific Research and Engineering Development(IJSRED-V512P99), vol.5,no. 2 mar-april 2022.

14. S. Suresh, B. Vinod, K.Saisujith, **D.Sudhakara,** "Investigation and performance of high niobium contain Ti-Al Alloys: Deformation behavior and microstructural evolution", Materials Today: Proceedings, Volume 63, June 2022, Pages 427-432.

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15. **E Murali** "Missing Person Identification using Face Recognization" in International Research Journal of Modernization in Engineering Technology and Science" Vol. 4, Issue 3, ISSN No. 2582-5208, Pages 1889-1894, March 2022.

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1. Radhika Baskar, R Dhanagopal, K Elangovan, **K Gunasekaran**, "VLSI Based Architecture in ECG Monitoring for Adaptive Power Management In Wireless Bio-Signal Acquisition Network," Journal of Physics: Conference Series 1964 (2021) 062090, IOP, Publishing: doi:10.1088/1742-6596/1964/6/062090.

2. K **Gunasekaran**, Radhika Baskar, R Dhanagopal, and K Elangovan, "Classification of FPGA Based Network Traffic Using Machine Learning," Journal of Physics: Conference Series 1964 (2021) 062008, IOP Publishing doi:10.1088/1742-6596/1964/6/062008.

3. Viswanathan Chakravarthi, **K. Gunasekaran**, Nijandan and S. Devikala, "Energy Efficient and Hybrid Bio-inspired Ant-Cuckoo Algorithm for Wireless sensor network,", Bioscience Biotechnology Research Communications Special issue vol. 14, no. 06, 2021.

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4. **T.Prasad**, "Machine Learning based early detection of Kidney disease using ECG signals," International Journal of Creative Research Thoughts, (IJCRT)

5. S.Suresh, **D.Sudhakara**, B. Vinod, "Investigation on Tribological and Machining Characteristics of Al 7075/MWCNTs Nano composites", Journal of Bio- and Tribo-Corrosion, 19 July 2020, page Number: 2-23.

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BOOK/CHAPTER

2021-22

1. **Dr. JV Anand,** Supervised Learning Approaches for Underwater Scalar Sensory Data Modeling With Diurnal Changes," Artificial Intelligent Techniques for Wireless Communication and Networking, (175–192), © 2022 Scrivener Publishing LLC, 2022

CONFERENCE PAPER

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1. **B. Saroja**, "Model based Estimation for multicrop irrigation provision and timing during off season," International Conference on Communication and Computing Technology for Sustainable Development (ICCCTSD-2021) at Sri Krishna College of Technology, Coimbatore , Feb 25-26, 2022.

2. **R. Rajkumar**, "Purchase and Food supply management in Restaurants under COVID-19 Situation," International Conference on Communication and Computing Technology for Sustainable Development (ICCCTSD-2021) at Sri Krishna College of Technology, Coimbatore , Feb 25-26, 2022.

3. **R. Rajkumar**, "IOT based Garbage collection and waste management systems for Urban environments," International Conference on Recent Advances in Fog and Edge computing at Sri Krishna College of Technology, Coimbatore , April 25-26, 2022.

4. **A. Hesanth** , "Design of Semiconductor Microstrip Patch Antenna for Dual Band Applications," 7th IEEE Conference on Communication and Electronics Systems (ICCES-2022) at PPG Institute of Technology, Coimbatore, Tamil Nadu, Jun 22-24, 2022

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5. **A. Hesanth** , "Design and Analysis of Circular fractal Antenna for Wireless Applications," 7th IEEE Conference on Communication and Electronics Systems (ICCES-2022) at PPG Institute of Technology, Coimbatore, Tamil Nadu, Jun 22-24, 2022.

6. **M. Vijayalakshmi**, " Enhancement of Blurred Cdots in under water images using Perceptual Adaptive Illumination," AICTE sponsored International Conference on Emerging Techniques in Electronics, Communication and Compuational Intelligence (ICETECCI-2022) at SV College of Engineering, Tirupati, May 12-14, 2022.

7. **B. Saroja**, "Modelling of unmanned Ground Vehicle using NEAT," 4th International Conference on Advancements in Computer Science & Engineering, at New Horizon college of Engineering, 11 may 2022.

8. **B. Saroja**, "Automatic Access control solution in smart homes using IOT and AI," second International Conference on Emerging Trends in Materials, Computing and Communication Technologies (ICETMCCT 2021) at Annai Vailankanni College of Engineering, Pottakulam, 9 Dec, 2021.

2020-21

1. **K. Gunasekaran**, "Classification of FPGA based Network traffic using Machine Learning," International eon Emerging Trends in Science, Engineering and Management (ICETSEM-2021) organized by International Journal of MC square Scientific Research. Chennai, Jan 21-23, 2021.

2. **Gangaiah Yadav**, Kiran Kumari, "Stability Analysis of Low power Nanometric," International Conference on Electronics, Electrical and Communication Technologies (ICIEECT-21), at Audisankara College of Engineering & Technology, Gudur (A.P.), Nov 12-13 2021.ISBN:978-93-90631-89-6

3. **Gangaiah Yadav**, Kiran Kumari, C. Keerthi, "Comparison of Read Stability and Write Ability of Low Power Nanometric SRAMs," International Conference on Cyber Technologies and Emerging Siences (ICCTES-2021) organised by Graphic Era Hill University, Uttarakhand Dec 17-18, 2021.

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5. **D.Jayanaudu, C. Laxmanasudheer**" Improvement of Accuracy of Fixed-Width Booth Multipliers using Data Scaling Technology," Second National Virtual Conference on Recent Advances in Technology & Engineering (CRATE-2021) organized by Vemu Institute of Technology, Tirupati, Aug 13-14, 2021.ISBN:978-93-90631-89-6

6. **D. Jayanayudu, C. Laxmanasudheer** "Design of Low Power High Speed SRAM Architecture using SK-LCT Technique,"Second National Virtual Conference on Recent Advances in Technology & Engineering (CRATE-2021) organized by Vemu Institute of Technology, Tirupati, Aug 13-14, 2021.ISBN:978-93-90631-89-6

7. **C. Laxmanasudheer, D. Jayanayudu**, "Borrow Select Subtractor for Low Power and Area Efficiency," Second National Virtual Conference on Recent Advances in Technology & Engineering (CRATE-2021) organized by Vemu Institute of Technology, Tirupati, Aug 13-14, 2021. ISBN:978-93-90631-89-6

8. **C. Laxmanasudheer, D. Jayanayudu**, K. Maheshwari "IOT based Smart Helmet for Construction," Second National Virtual Conference on Recent Advances in Technology & Engineering (CRATE-2021) organized by Vemu Institute of Technology, Tirupati, Aug 13-14, 2021.ISBN:978-93-90631-89-6