

# RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY

Autonomous

Department of Electronics and Communication Engineering

SCOPUS INDEXED JOURNALS

Academic year :2024-25 (July-2024 to June-25)

## SCOPUS:

1. **MAHESWARI M, SALENDRA GOVINDARAJULU** , “ A study on CNFET quaternary logic” AIP proceedings **conference**, volume 3018 ,Issue 1,020079-1 to 020079-6. <https://doi.org/10.1063/5.0212595>
2. **Dr. J. Sofia Priya Dharshini**, P. Deepthi Jordhana, V. **Bala Dastagiri Swamy** “Enhancement and dehazing of images for real time applications” AIP proceedings **conference**, volume 3018 ,Issue 1,020080-1 to 020080-5 <https://doi.org/10.1063/5.0212582>
3. **J. Sofia Priya Dharshini**, P. Deepthi Jordhana, **C. Susmitha** “Multi-focus framework for image fusion” AIP proceedings conference, volume 3018 ,Issue 1,020080-1 to 020080-6. <https://doi.org/10.1063/5.0212583>
4. **N.Ramanjaneyulu**, Y.Madhu sudhana Reddy, P.Rangappa, Sowmya Goli, “Removal of specular reflection of an image using dark channel prior “ AIP proceedings conference, volume 3018 ,Issue 1,020078-1 to 020078-6. AIP proceedings **conference**, volume 3018 ,Issue 1 ” <https://doi.org/10.1063/5.0212715>
5. **Palle Rangappa**, Anchula Sathish” Comparative analysis of hybrid logic style full adders in multistage structures” AIP proceedings **conference**, volume 3018 ,Issue 1 <https://doi.org/10.1063/5.0212733>.
6. **Venkataiah Challa**, Mallikarjuna Rao Yamarthy; Prasanna Murali Krishna Puranam; Satya Prakash Vankadara Naga Venkata; Ramanjaneyulu Ningampalli; Manjula Jayamma; Girish Babu Sankarayogi “Design and performance analysis of CNTFET based ternary encoders for next generation communication systems” AIP proceedings **conference**, volume 3018 ,Issue 1,020078-1 to 020078-6. <https://doi.org/10.1063/5.0212512>
7. Bennilo Fernandes JohnCorresponding Author; T. P. S. Kumar Kusumanchi; Agilesh Saravanan Ramamoorthi; **Sireesha Ramanathula**; Raju Kongala ”Clustering based emotional speech recognition using fuzzy and K-means for Tamil language “*AIP Conf. Proc.* 3028, 020062 (2024) <https://doi.org/10.1063/5.0213359>
8. B. V. Kumar and **P. V. Gopi Krishna Rao**, "A Conceptual Framework for Smart Agriculture Management using Convolutional Autoencoder with Long Short-Term Memory," 2024 3rd International **Conference** for Advancement in Technology (ICONAT), GOA, India, Feb. 2024, pp. 1-7, <https://doi.org/10.1109/ICONAT61936.2024.10774647>
9. **Dr. J. Sofia Priya Dharshini**, P.Muniteja, D. Nisheth, A.Bharath, S.Farook `` Advancing RGB-X Segmentation through Shape and Semantic Enhancements’’ Journal of Civil and Environmental Engineering, Vol. 13, No. 3, March 2025,

<https://drive.google.com/file/d/1oFHW2IQ8pnt6hM9bQHw39b3dwB49Ogni/view?usp=sharing>

10. **Dr. Y. Madhu Sudhana Reddy**, P. Hemalatha, G.Guru Mahammad Basha, G. Sunny Priya Raju, S.Sameer Hussain ``optimized brain tumor detection: a dual-module approach for mri image enhancement and tumor classification'' Journal of Civil and Environmental Engineering, Vol. 13, No. 2, Feb. 2025, <https://drive.google.com/file/d/1EPEzV7KbdTScwZhkMF-vnkuPzDdG-Dwy/view?usp=sharing>
11. **Dr. Usen Dudekula**, S. Sree Kalyani, K. V. Bhanu Prakash, G. Dileepkumar Raja, D. Ramakrishna Goud `` convolution neural network based Person recognition using opencv captured image dataset'' Journal of Civil and Environmental Engineering, Vol. 13, No. 2, Feb. 2025, [https://drive.google.com/file/d/1OoyvhuwydIFFM\\_S\\_OmxAZTERmfs7MMfV/view?usp=sharing](https://drive.google.com/file/d/1OoyvhuwydIFFM_S_OmxAZTERmfs7MMfV/view?usp=sharing)
12. **D. Rajesh Setty**, B. Lavanya, C. Maheswar Reddy, R. V. Siddartha Varma, M. Sravan Kumar `` low-light image enhancement using pixel-wise Adaptive gamma correction'' Journal of Civil and Environmental Engineering, Vol. 13, No. 3, March 2025, <https://drive.google.com/file/d/1nk7gnRUPdonSIpZMWCD1VnaeJPJIOsv-/view?usp=sharing>
13. **N. Nagaraja Kumar**, B. Vasantha Lakshmi, M. Thanusri, G. Manjula, N. Vamsi Krishna ``weight optimization and dual tree discrete wavelet transformation for image fusion'' Journal of Civil and Environmental Engineering, Vol. 13, No. 3, March 2025, [https://drive.google.com/file/d/1b3Oo\\_BS6uXNTJ40iPLMDYvoJ-Vw0jG7i/view?usp=sharing](https://drive.google.com/file/d/1b3Oo_BS6uXNTJ40iPLMDYvoJ-Vw0jG7i/view?usp=sharing)
14. B. K. Bharathi and **N. Ramanjaneyulu**, "Comparative Analysis of Charge Plasma Vertical TFET Structures with H f O<sub>2</sub> and SiO<sub>2</sub> Gate Dielectric materials," 2025 **IEEE International Conference** on Intelligent Control, Computing and Communications (IC<sup>3</sup>), Mathura, India, Feb. 2025, pp. 507-511, doi: 10.1109/IC363308.2025.10957567.
15. Gowtham, R., Vatsala Anand, Yadati Vijaya Suresh, Kasetty Lakshmi Narasimha, R. Anil Kumar, and **V. Saraswathi**. "Enhancing Incentive Schemes in Edge Computing through Hierarchical Reinforcement Learning." ITEGAM-JETIA 11, no. 52, pp. 226-136, Apr. 2025 <https://doi.org/10.5935/jetia.v11i52.1637>
16. **Satyanarayana Donti**, Maddirala Chennakesavulu, Fouzia Sulthana, K. Upendra, D. Sashidhar, K. Ramachandra Reddy, N. Naga Sai Vikranth, and V. Devendra. "Design of efficient multiplier with low power and high-speed using PTL (Pass Transistor Logic)." International Journal of Electronics and Telecommunication vol. 71, no. 2 pp. 483-488, May 2025. <https://ijet.ise.pw.edu.pl/index.php/ijet/article/view/10.24425-ijet.2025.153595>
17. **Maheswari, M.** and Govindarajulu, S., A "A Study on CNTFET Ternary and Quaternary Logic with Different Supply Voltages," In 2025 Devices for Integrated Circuit (DevIC), pp. 79-82, **IEEE International conference** Apr. 2025. <https://doi.org/10.1109/DevIC63749.2025.11012533>

18. Madhuram, M., Bikkili Alekya Himabindu, **M. Maheswari**, and M. V. Subramanyam. "Design of CMOS D Flip-Flop with Different Supply Voltages." In 2025 8th International **Conference** on Trends in Electronics and Informatics (ICOEI), pp. 348-353. IEEE, 2025. <https://doi.org/10.1109/ICOEI65986.2025.11013666>
19. **V. Saraswathi**, M. SubbaRaju, M. Koteswara Rao, K. K. Kalyani, and A. R. Kumar, "Optimization of Deep Learning Technique for OFDM Receivers in 6G Wireless communications," EAI Endorsed Transactions on Internet of Things, vol. 11, no. 1, Jun. 2025, doi: 10.4108/eetiot.8536.
20. **Venkataiah, C.**, T. Jayachandra Prasad, Ganta Gopinath, B. Charitha, G. Dharma Teja, and B. Lomith Reddy. "CNN and Transfer Learning methods for enhanced stockwell disease detection." International Journal of Electronics and Telecommunication, Vol. 71, no. 2 pp. 337-344, May 2025. <https://ijet.pl/index.php/ijet/article/view/10.24425-ijet.2025.153607>
21. **C. Venkataiah**, G. Nagasudeep, A. Meghana, K. Ganesh, G. Puneeth. "Comparative Analysis of 3-2 Adder Compressor for High-Speed Applications" Communications on Applied Nonlinear Analysis, June 2025. <https://doi.org/10.52783/cana.v32.4851>
22. Sayedu Kashim Noorbasha<sup>1\*</sup>, R. Nagesh<sup>2</sup>, K. Sreenivas<sup>3</sup>, K. Praveen Madiga<sup>4</sup>, R. Honock<sup>5</sup>, Color-Adaptive Image Enhancement Using Representative Transforms, IJCEE, MARCH 2025, VOLUME 13 ISSUE 3.
23. Sayedu Kashim Noorbasha <sup>1\*</sup>, B. Manoj Kumar Reddy<sup>2</sup>, D. Ravi Kumar<sup>3</sup>, P. Sreekar Praneeth<sup>4</sup>, G. Vyshnavi<sup>5</sup>, Enhancing Low-Light Images using Sharpening- Smoothing Image Filter technique, IJCEE, MARCH 2025, VOLUME 13 ISSUE 3.
24. **Hussain, Shaik Kashif**, and S. Saheb Basha. "A Novel Chaotic Map-Based Noise-Resistant Image Encryption Scheme for Medical Images." International **Conference** on Advances in Computational Intelligence and Informatics. Singapore: Springer Nature Singapore, 2023.
25. Babu, Padigala Prasanth, **Talari Jayachandra Prasad**, and Kadambi Soundararajan. "Image compression and reconstruction using improved Stockwell transform for quality enhancement." International Journal of Electrical & Computer Engineering, vol. 14, no. 2, pp. 2088-8708, Apr.2024.
26. Babu, Padigala Prasanth, **T. Jayachandra Prasad**, and K. Soundararajan. "Improved Stockwell Transform for Image Compression and Reconstruction." Modern Approaches in Machine Learning and Cognitive Science: A Walkthrough: Volume 4. Cham: Springer International Publishing, Jan. 2024. Vol. 04, pp. 95-101.
27. Kumar KV, **Sathish A.** A novel approach for enhancement of remote satellite image fusion based on cascaded principle component analysis & shift invariant wavelet transforms. In AIP **Conference** Proceedings 2024 Jul 8, Vol. 3028, No. 1, p. 020005. AIP Publishing LLC.
28. Dandu, O. and **Sathish, A.**, 2025, January. Enhancing Low-Power Performance of GAA-TFETs Through Gate Work Function Optimization. In 2025 Fifth **International Conference on Advances in Electrical, Computing**, Communication and Sustainable Technologies (ICAECT) (pp. 1-5). 2025 Jan, **IEEE**.

29. Dandu O, **Sathish A.** Performance Analysis of Channel Engineered GAA-TFETs for Optimized Device Design. In 2025 International **Conference** on Intelligent Control, Computing and Communications (IC3) 2025 Feb 13 (pp. 1318-1323). **IEEE**.