



**Gokaraju Rangaraju Institute of Engineering and Technology**

**(Autonomous)**

**Department of Electronics and Communication Engineering**

**Publication Details**

**YEAR 2020-2021**

No. of Publications			No. of Conference proceedings	
SCI	SCOPUS	UGC	SCOPUS	UGC
02	17	0	13	0

**JOURNAL PUBLICATIONS**

**SCI JOURNALS:**

1. Meenakshi, K., Swaraja, K., & Kora, P. (2020). A hybrid matrix factorization technique to free the watermarking scheme from false positive and negative problems. *Multimedia Tools and Applications*, 79(39), 29865-29900.
2. Mounica, Y., Kumar, K. N., & Veeramachaneni, S. (2020). Energy efficient signed and unsigned radix 16 booth multiplier design. *Computers & Electrical Engineering*, 106892.

**SCOPUS INDEXED JOURNALS:**

1. Padma, T., & Kumari, U. (2020). Smart Non-Invasive Hemoglobin Measurement Using Portable Embedded Technology. *International Journal of Online & Biomedical Engineering*, 16(15).
2. Vishnubhatla, A. (2020). Automotive Radar using AWR2243 Booster Pack., *International journal of online and biomedical engineering*
3. Vishnubhatla, A. (2020). Cellular IOT using nRF9160kit., *International journal of online and biomedical engineering*
4. Thammana, A., Murthy, A. S. D., Kumari, C. U., & Kishore, P. (2020). Performance analysis of OFDM and FBMC over selective channels. *Materials Today: Proceedings*, 33, 4237-4242.

5. Kumari, C. U., Lydia, E. L., Murthy, A. S. D., & Kumar, M. N. V. S. S. (2020). Designing of wireless sensor nodes for providing good quality drinking water to the public. *Materials Today: Proceedings*, 33, 4250-4254.
6. Murthy, A. S. D., Karthikeyan, T., Jagan, B. O. L., & Kumari, C. U. (2020). Novel deep neural network for individual re recognizing physically disabled individuals. *Materials Today: Proceedings*, 33, 4323-4328.
7. Patel, R. P., Verma, D., Awasthy, M., Raghuwanshi, D. S., & Kumari, C. U. (2020). Structural, electronic and optical properties of Sr<sub>2</sub>SiO<sub>4</sub> doped with Eu<sup>2+</sup> and Dy<sup>3+</sup>: A first principle study. *Materials Today: Proceedings*, 33, 4486-4492.
8. Meghana, M., Kumari, C. U., Priya, J. S., Mrinal, P., Sai, K. A. V., Reddy, S. P., ... & Panigrahy, A. K. (2020). Hand gesture recognition and voice controlled robot. *Materials Today: Proceedings*, 33, 4121-4123.
9. Radhika, P. T., Jayanthi, D., Shylu, D. S., Kavitha, K., & Chowdary, C. P. (2020). Maximal length test pattern generation for the cryptography application. *Materials Today: Proceedings*, 33, 2701-2705.
10. Reddy Madhavi K, Madhavi G, Rupa Devi B, Kora p, Detection of Pneumonia using Deep Transfer Learning(2020) *International Journal of advance Trends in Computer science and Engineering*.
11. Monika, M. K., Vignesh, N. A., Kumari, C. U., Kumar, M. N. V. S. S., & Lydia, E. L. (2020). Skin cancer detection and classification using machine learning. *Materials Today: Proceedings*, 33, 4266-4270.
12. Suneetha, M., & Subbarao, M. (2020). An Improved Denoising of Medical Images Based on Hybrid Filter Approach and Assess Quality Metrics. In *Journal of Biomimetics, Biomaterials and Biomedical Engineering* (Vol. 44, pp. 27-36). Trans Tech Publications Ltd.
13. Chowdari, C. P., & Seventline, J. B. (2020). Systolic architecture for adaptive block FIR filter for throughput using distributed arithmetic. *International Journal of Speech Technology*, 23(3), 549-557.
14. Ch, P. C., & Seventline, J. B. (2020). VLSI implementation of distributed arithmetic based block adaptive finite impulse response filter. *Materials Today: Proceedings*, 33, 3757-3762.
15. Pragathi, D., Rakesh, B., Kumar, P. S., Vignesh, N. A., Padma, T., & Panigrahy, A. K. (2020). Noise performance improvement in 3D IC integration utilizing different dielectric materials. *Materials Today: Proceedings*, 33, 3117-3123.
16. Mehdi, M.J., Srinivasrao, N., Sireesha, A. Detection and prognosis of diabetes based on data science techniques (2020) *Materials Today: Proceedings*, 33, pp. 4814-4818.
17. Ushasree, A., Agarwal, V., Satyanarayana, M. A novel approach of designing insubstantial ava operating in uwb for gpr applications (2020) *International Journal of Emerging Trends in Engineering Research*, 8 (9), art. no. 161, pp. 5889-5896.

## **SCOPUS INDEXED CONFERENCES**

1. Padma, T., Usha Kumari, Ch. Deep Learning Based Chest X-Ray Image as a Diagnostic Tool for COVID-19 (2020) Proceedings - International Conference on Smart Electronics and Communication, ICOSEC 2020, art. no. 9215257, pp. 589-592.
2. Kumari, C. U., Kora, P., Meenakshi, K., Swaraja, K., Padma, T., Panigrahy, A. K., & Vignesh, N. A. (2020). Feature Extraction and Detection of Obstructive Sleep Apnea from Raw EEG Signal. In International Conference on Innovative Computing and Communications (pp. 425-433). Springer, Singapore.
3. Patnala, T. R., Jayanthi, D., Majji, S., Valleti, M., Kothapalli, S., & Karanam, S. R. (2020, March). A Modernistic way for KEY Generation for Highly Secure Data Transfer in ASIC Design Flow. In 2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS) (pp. 892-897). IEEE.
4. Rani, R. U., Jayanthi, D., Jayabalan, S., & Vignesh, A. (2020). Hardware Security for DSP Circuits Using Key-Based Time-Dependent Obfuscation. In Advances in Smart Grid Technology (pp. 435-444). Springer, Singapore.
5. Sravan, V., Swaraja, K., Meenakshi, K., Kora, P., & Samson, M. (2020, June). Magnetic Resonance Images Based Brain Tumor Segmentation-A critical survey. In 2020 4th International Conference on Trends in Electronics and Informatics (ICOEI)(48184) (pp. 1063-1068). IEEE.
6. Meenakshi, K., Swaraja, K., Kora, P., & Karuna, G. (2020). A Robust Blind Oblivious Video Watermarking Scheme Using Undecimated Discrete Wavelet Transform. In Intelligent System Design (pp. 169-177). Springer, Singapore.
7. Kulkarni, B. P., Krishna, S. S., Meenakshi, K., Kora, P., & Swaraja, K. (2020, June). Performance Analysis of Optimization Algorithms GA, PSO, and ABC based on DWT-SVD watermarking in OpenCV Python Environment. In 2020 International Conference for Emerging Technology (INCET) (pp. 1-5). IEEE.
8. Shilpa, B., Joseph, A. B., Vignesh, N. A., & Kumaresham, N. (2020, January). A brief Review on techniques used for Breast cancer detection using antennas. In 2020 International Conference on Computer Communication and Informatics (ICCCI) (pp. 1-3). IEEE.
9. Pavani, T., Pavan, D. M., Manohar, V., Jain, Y., Santhosh, P., Sumanth, S., ... & Sanketh, K. (2020, June). Wireless Controlled Robotic Spider for data retrieval. In 2020 4th International Conference on Trends in Electronics and Informatics (ICOEI)(48184) (pp. 590-595). IEEE.
10. Kumar, B. A., Bindu, V. H., & Swetha, N. (2021). User Detection Using Cyclostationary Feature Detection in Cognitive Radio Networks with Various Detection Criteria. In International Conference on Innovative Computing and Communications (pp. 1013-1029). Springer, Singapore.
11. Supritha, B., Mannem, K., Reddy, B. V., Jamal, K., & Kumar, M. O. (2020, October). High speed and efficient ALU using modified booth multiplier. In 2020 Fourth

International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)(I-SMAC) (pp. 1196-1200). IEEE.

12. Mannem, K., Rao, P. N., & Reddy, S. C. M. (2020, January). Handover Decision in LTE & LTE-A based Hetnets using Regression Heuristics of Quality Metrics (RHQM) for Optimal Load Balancing. In 2020 Fourth International Conference on Inventive Systems and Control (ICISC) (pp. 732-739). IEEE.
13. Majji, S., Patnala, T. R., Valleti, M., Pasumarthi, C. S., Kothapalli, S., & Karanam, S. R. (2020, March). A Study on the Comprehensive Analysis of Electro Migration for the Nano technology trends. In 2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS) (pp. 898-901). IEEE.