JAYPEE UNIVERSITY OF ENGINEERING AND TECHNOLOGY, GUNA

Publications – Department of Electronics & Communication Engineering

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Publications in Journal

Jan-Dec 2021

1. R. Chauhan, S. Sharma, and R. Pachauri, "Deep Neural Network-Based Prediction of the COVID-19 Spread in India," *International Journal*, vol. 3, no. 1, pp. 1–11, Mar. 2021.
2. S. Singhal, S. Patel, A. Mahajan, and G. Saxena, "Area-Delay Efficient Radix-4 8×8 Booth Multiplier for DSP Applications," *Turkish Journal of Electrical Engineering & Computer Sciences*, Mar. 2021, doi: 10.3906/elk-2007-179.
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4. R. Chauhan, S. Sharma, and R. Pachauri, "Deep Neural Network-Based Channel Estimation in OFDM Systems," *International Journal of Engineering Research and Technology*, vol. 10, pp. 292–297, Nov. 2021.
5. S. Motilalnehru, G. Sevarani A, R. Kumar, S. Degadwala, and R. Veluri, "Automatic Detection and Classification of Melanoma Skin Cancer through Deep Learning Techniques," *Natural Volatiles and Essential Oils*, vol. 8, pp. 7584–7594, Dec. 2021.

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1. B. K. Patel and J. Kanungo, "Area efficient Diminished-1 Modulo Adder using Parallel Prefix Adder," *Journal of Engineering Research*, Academic Publication Council, Kuwait University, Mar. 2022, doi: 10.36909/jer.ICAPIE.15073.
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7. R. Chauhan, P. Dumka, and D. R. Mishra, “Experimental Evaluation and Development of Artificial Neural Network Model for the Solar Stills Augmented with the Permanent Magnet and Sandbag,” *Journal of Advanced Thermal Science Research*, vol. 9, pp. 9–23, June 2022.

8. N. P. G. Bhavani, R. Kumar, B. S. Panigrahi, K. Balasubramanian, B. Arunsundar, Z. A. Samad, and A. Singh, “Design and Implementation of IoT Integrated Monitoring and Control System of Renewable Energy in Smart Grid for Sustainable Computing Network,” *Journal of Sustainable Computing: Informatics and Systems*, vol. 35, pp. 1–23, June 2022, doi: 10.1016/j.suscom.2022.100769.

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17. R. Kumar, "Quantum-enhanced OFDM signal processing: Advancing 5G mobile network and IoT communication for healthcare application," *Optical and Quantum Electronics*, Springer, vol. 56, no. 308, pp. 1–18, Dec. 2023, doi: 10.1007/s11082-023-05969-1.

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Publications in Conference Proceeding

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2. I. S. Bangroo and R. Kumar, “Zérosdetect: Phishing URL detection with quantum-driven zero-shot learning,” presented at the *IEEE-sponsored 9th International Conference on Signal Processing and Communication*, organized by the Department of Electronics and Communication Engineering, Jaypee Institute of Information Technology, Noida, Dec. 21-23, 2023.
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