

**Department of Electronics and Communication Engineering**

**Journal Publication**

**Academic Year 2024-2025**

Sl.No.	Title of the Paper
1.	Nagendran, R., Ramadass, S., Thilagavathi, K., & Ravuri, A. (2024). Lossless hyperspectral image compression by combining the spectral decorrelation techniques with transform coding methods. International Journal of Remote Sensing, 45(18), 6226–6248. <a href="https://doi.org/10.1080/01431161.2024.2388861">https://doi.org/10.1080/01431161.2024.2388861</a>
2.	Ramkumar, A., & B. Gopinath. (2024). Deep convolutional neural network object net model based cognitive digital twin for trust in human–robot collaborative manufacturing. Journal of Intelligent Manufacturing, 1-21. doi: <a href="https://doi.org/10.1007/s10845-024-02501-4">https://doi.org/10.1007/s10845-024-02501-4</a>
3.	A. Amsaveni, SatheeshKumar Palanisamy, Sghaier Guizani, Habib Hamam,Next-Generation Secure and Reversible Watermarking for Medical Images using Hybrid Radon-Slantlet Transform,Results in Engineering,Volume 24,2024,103008,ISSN 2590-1230, <a href="https://doi.org/10.1016/j.rineng.2024.103008">https://doi.org/10.1016/j.rineng.2024.103008</a> .
4.	Gupta, Megha, Sneha Gupta, Gopinath Palanisamy, J. S. Nisha,Veerapu Goutham, S. Arun Kumar, K. Gavaskar, and Ganesh R. Naik. "A Comprehensive Survey on Detection of Ocular and Non-Ocular diseases using Color Fundus Images." IEEE Access (2024). 10.1109/ACCESS.2024.3517700
5.	Ramadass, S., Narayanan, S., Kumar, R. Thilagavathi K. Effectiveness of generative adversarial networks in denoising medical imaging (CT/MRI images). Multimedia Tools Appl (2024). <a href="https://doi.org/10.1007/s11042-024-20130-0">https://doi.org/10.1007/s11042-024-20130-0</a>
6.	K., Jasmine, Sanjith Krishna S., Subashini B., Swethaa Shree V., and Rajavarma R.. "Smart Wearable Device for Enhancing Safety and Efficiency of Coal Miners." Journal of Innovative Image Processing 6, no. 3 (2024): 235-243