

# Department of Electronics and Communication Engineering

## Faculty Publication

**JANUARY -DECEMBER 2021**

Sl.No.	Title of the Paper
1.	Amsaveni, A., & Bharathi, M. (2021). Use of firefly optimization algorithm for fractional fourier transform based reversible data hiding. Journal of Intelligent & Fuzzy Systems, 40(1), 415-425. doi:10.3233/jifs-191911
2.	Umamaheswari, S. (2021). Hybrid Optimization Model for Energy Efficient Cloud Assisted Wireless Sensor Network. Wireless Personal Communications, 118(1), 873-885.
3.	Paul, T.D., A Kalaiselvi, Nagarathinam S( 2021), Experimental Analysis Of Women Safety Management System By Using Iot Enabled Machine Learning Strategies.Turkish Journal of Physiotherapy and Rehabilitation. 32, 934-941
4.	A.Kalaiselvi, S.Nagarathinam, Timothy Dayakar Paul, M.Alagumeenaakshi, (2021). Detection Of Autism Spectrum Disorder Using Transfer Learning. Turkish Journal of Physiotherapy and Rehabilitation 32, 926-933
5.	Gautham G, Deepika Venkatesh, A Kalaiselvi,(2021) Low-Cost Smart Heads-Up Display Assist System for Automobiles,Journal of VLSI Design and Signal Processing, 7, 2, 2021, pp. 27 – 45
6.	Karthika, K.,Kavitha, K. (2021). Reconfigurable Antennas for Advanced Wireless Communications: A Review. Wireless Personal Communications. Published. <a href="https://doi.org/10.1007/s11277-021-08555-4">https://doi.org/10.1007/s11277-021-08555-4</a>
7.	Ms. Madhunisha, Ms. Sukirtha, Ms. Sri Vishnu Priyaa, Mr. Kaushik, Jasmine K (2021),E – Grow with us: An E – Commerce application/ International Advanced Research Journal in Science, Engineering and Technology/Volume 8, Issue 4,DOI 10.17148/IARJSET.2021.8455
8.	Sonu V Abraham, S Nagarathinam, Yogeswaran A,(2021),Data Transmission using Visible Light Communication(Li-fi), International Research Journal of Engineering and Technology (IRJET)Volume 8, Issue 6, Pages 55-59,
9.	S. Umamaheswari, W. S. Antony and A. joe, (2021),Detection and Correction of Node Failures in Wireless Sensor Networks, 2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS), 2021, pp. 1479-1483, doi: 10.1109/ICACCS51430.2021.9441846.
10.	Gopinath, B., & Santhi, R. (2021). Development and Evaluation of Fishbone-Based Advanced Computational Thinking (FACT) Pedagogy: A Teacher-Student Collaborative Learning Environment in Engineering and Science Education. Higher Education for the Future, 8(1), 108-122. <a href="https://doi.org/10.1177/2347631120970177">https://doi.org/10.1177/2347631120970177</a>
11.	Krishnan, S., Jaiganesh, P. S., Karunakaran, A., Kumarasamy, K., & Lin, M.-C. (2021). The effect of pH on the photocatalytic degradation of cationic and anionic dyes using polyazomethine/ZnO and polyazomethine/TiO2 nanocomposites. International Journal of Applied Science and Engineering, 18(5), 1-8. <a href="https://doi.org/10.6703/IJASE.202109_18(5).008">https://doi.org/10.6703/IJASE.202109_18(5).008</a>
12.	Marimuthu, R., Kesav Krishna, G., Sathyanarayanan, S. S., & Valarmathi, R. (2021). Ease impact of age on stress related complications in pregnancy. International Journal of Applied Science and Engineering, 18(2), 1-9.
13.	K Maheswari, SN Shivapriya,(2021)Dissipativity analysis of Markovian Switched Neural Networks using Extended Reciprocally Convex Matrix Inequality,Journal of Physics: Conference Series 1850 (1), 012078
14.	Shivappriya, S. N., Priyadarsini, M. J. P., Stateczny, A., Puttamadappa, C., & Parameshachari, B. D. (2021). Cascade Object Detection and Remote Sensing Object Detection Method Based on Trainable Activation Function. Remote Sensing, 13(2), 200. MDPI AG. <a href="http://dx.doi.org/10.3390/rs13020200">http://dx.doi.org/10.3390/rs13020200</a>
15.	S. Boopathy, K. R. Gokul Anand, E. L. Dhivya Priya, A. Sharmila and S. A. Pasupathy,(2021),IoT based Hydroponics based Natural Fertigation System for Organic Veggies Cultivation,2021 Third International

	Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV), pp. 404-409, doi: 10.1109/ICICV50876.2021.9388409.09
16.	S.Tamilelakkia,P. Vidhya, S. Ajithumar, S. Manojkumar, (2021),IoT Based Smart Voting System ,International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE) ,Volume 10, Issue 5,DOI:10.15662/IJAREEIE.2021.1005010
17.	S. Tamilelakkia, N.S. Santhos, S. Nithya, S. Jaishree,(2021),PLANT DOC-Diseases Detecting Mobile Application,International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE),Volume 10, Issue 5, DOI:10.15662/IJAREEIE.2021.1005013
18.	Elangovan, S., Sasikala, S., Kumar, S. A., Bharathi, M., Sangath, E. N., & Subashini, T. (2021). A Deep Learning Based Multiclass Segregation of E-waste using Hardware Software Co-Simulation. In Journal of Physics: Conference Series (Vol. 1997, No. 1, p. 012039). IOP Publishing.
19.	Kirubakaran, M. N., Kumar,S.Arunkumar, Sasikala, S., Gohithmugilan, S.,Muralidhar, M. (2021). Towards Building Intelligent Robotic Systems to Enhance the Safety of Firefighters. In Journal of Physics: Conference Series (Vol. 1997, No. 1, p. 012040). IOP Publishing.
20.	Lokitha, T., Venkatesh, B., Kumar, r,Sasikala, S., (2021). Towards Building eco-friendly and emission less Electric Scooter. In Journal of Physics: Conference Series (Vol. 1997, No. 1, p. 012043). IOP Publishing.