

Dr. K. Lakshmi  
Professor and Head  
Department of Electrical and Electronics Engineering  
Sri Krishna College of Engineering and Technology,  
Sugunapuram, Kuniyamuthur (Post)  
Coimbatore – 641008

### **List of Publication (Last Five Years)**

1. R. Kavim, K. Lakshmi, S. S. Rani and K. Rameshkumar, "Weather Monitoring System using Internet of Things," 2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2020, pp. 26-29, doi: 10.1109/ICACCS48705.2020.9074332.
2. N. Loganathan, K. Lakshmi, N. Chandrasekaran, S. R. Cibisakaravarthi, R. H. Priyanga and K. H. Varthini, "Smart Stick for Blind People," 2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2020, pp. 65-67, doi: 10.1109/ICACCS48705.2020.9074374.
3. Lakshmi K.S., Priyadarshi P. (2020) Multi-disciplinary Analysis of a Reentry Vehicle. In: Salagame R., Ramu P., Narayanaswamy I., Saxena D. (eds) Advances in Multidisciplinary Analysis and Optimization. Lecture Notes in Mechanical Engineering. Springer, Singapore. [https://doi.org/10.1007/978-981-15-5432-2\\_2](https://doi.org/10.1007/978-981-15-5432-2_2)
4. Boobalan S., Lakshmi K., Thirukkuralkani K.N. (2020) Comparative Study and Analysis of Human Knee Angle Measurement System. In: Saini H., Srinivas T., Vinod Kumar D., Chandragupta Mauryan K. (eds) Innovations in Electrical and Electronics Engineering. Lecture Notes in Electrical Engineering, vol 626. Springer, Singapore. [https://doi.org/10.1007/978-981-15-2256-7\\_71](https://doi.org/10.1007/978-981-15-2256-7_71)
5. T.Gulam Mohammed Moinuddeen B. Lalitha, K. Lakshmi, G. Ramya, R. Sampathkumar, Harmonic Analysis Of Reduced Device Count Multilevel Converter, Advances in Mathematics: Scientific Journal 9 (2020)
6. Devarajan, G., Chinnusamy, M. & Kaliappan, L. Detection and classification of mechanical faults of three phase induction motor via pixels analysis of thermal image and adaptive neuro-fuzzy inference system. J Ambient Intell Human Comput (2020). <https://doi.org/10.1007/s12652-020-01857-8>
7. N Loganathan, PS Mayurappriyan, K Lakshmi, Demand side EMS using artificial neural network-based LP method, IOP Conference Series: Materials Science and Engineering, Vol 623, Issue 1, 2019
8. R. Kavim, T. Kesavan, S. Sheebarani Gnanamalar and K. Rameshkumar, "Optimal Charging and Discharging Planning for Electric vehicles in Energy saving system," 2019 5th International Conference on Advanced Computing & Communication Systems (ICACCS), Coimbatore, India, 2019, pp. 976-978, doi: 10.1109/ICACCS.2019.8728477.
9. Karthikeyan, S.; Lakshmi, K.; Sivaranjani, S.; Karthika, J.; Nandhakumar, T., Performance Analysis of Multilevel Inverter with Reduced Number of Switches, Journal of Computational and Theoretical Nanoscience, Volume 16, Number 2, February 2019, pp. 422-427(6)
10. Loganathan, N., Mayurappriyan, P. S., & Lakshmi, K. (2018). Smart energy management systems: a literature review. MATEC Web of Conferences, 225, 01016. doi:10.1051/mateconf/201822501016

11. Loganathan N., Lakshmi K., Arun Venkatesh J. (2017) A Robust Energy Management System for Smart Grid. In: Deiva Sundari P., Dash S., Das S., Panigrahi B. (eds) Proceedings of 2nd International Conference on Intelligent Computing and Applications. Advances in Intelligent Systems and Computing, vol 467. Springer, Singapore. [https://doi.org/10.1007/978-981-10-1645-5\\_36](https://doi.org/10.1007/978-981-10-1645-5_36)
12. A. Oshiya and K. Lakshmi, "Interval optimization technique for the coordination of hydro units with wind power generation," 2016 3rd International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, 2016, pp. 1-6, doi: 10.1109/ICACCS.2016.7586346.
13. M. Kaleeswari and K. Lakshmi, "Energy management for plug in hybrid electric vehicles using stochastic optimization," 2015 International Conference on Advanced Computing and Communication Systems, Coimbatore, 2015, pp. 1-4, doi: 10.1109/ICACCS.2015.7324113.