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Dr. M.Ayyadurai is working as an Assistant Professor in the Department of ECE at SRMIST, Ramapuram campus. He holds a Ph. D degree in the field of Underwater Sensor Networks from Sathyabama Institute of Science and Technology, Chennai since 2022. He has 18 years of teaching experience with good programming skills. He is a recognized supervisor under SRMIST and guiding 1 scholar at present. He is certified in various courses from NITTTR, Infosys Spring Board and NPTEL. He has published articles in peer reviewed National and International Journals, Conferences and Symposiums.

Area of Research:

Underwater Acoustic Sensor Networks,5G and Machine Learning

Google Scholar:

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List of Publications:

1. Ayyadurai, M., Seetha, J., Haque, S. M. F. U., Juliana, R., & Karthikeyan, C. (2022). Routing Algorithm for Underwater Acoustic Sensor Network. Neural Processing Letters, 1-17. <https://doi.org/10.1007/s11063-022-10891-w> .
2. Seetha, J., & Ayyadurai, M. (2022). Performance evaluation of accessibility checker tool for educational websites. Concurrency and Computation: Practice and Experience, 34(24), e7237. <https://doi.org/10.1002/cpe.7237>
3. Kalaiarasan, K., Prathap, L., Ayyadurai, M., Subhashini, P., Tamilselvi, T., Avudaiappan, T., ... & Mezni, A. (2022). Clinical Application of Augmented Reality

in Computerized Skull Base Surgery. Evidence-Based Complementary and Alternative Medicine, 2022. <https://doi.org/10.1155/2022/1335820>

4. Ayyadurai, M., & Raja, S. S. (2021). Optimization of data reliability in UASN using adaptive Buffalo algorithm. Journal of Ambient Intelligence and Humanized Computing, 12(5), 5359-5370. <https://doi.org/10.1007/s12652-020-02018-7>
5. Vasudevan, B., Ayyadurai, M., Maheswar, R., Mahalakshmi, P., & Amiri, I. S. (2018). Numerical study on optical properties of non-circular metamaterial optical fiber. Results in Physics, 10, 55-60. <https://doi.org/10.1016/j.rinp.2018.05.023>
6. Krishnamoorthy, H., Ramyea, R., Maruthu, Ayyadurai., Kandasamy, K., Michalska, M., & Kandasamy, S. K. (2022). Synthesis methods of carbonaceous materials from different bio-wastes as electrodes for supercapacitor and its electrochemistry-A review. Bioresource Technology Reports, 101187. <https://doi.org/10.1016/j.biteb.2022.101187>
7. Manasa, P., & Ayyadurai, M. (2022). Energy Optimization Using Hybrid CAT-Dolphin Clustering Algorithm in Comparison with Channel Aware Routing Protocol. ECS Transactions, 107(1), 11981..
8. Ganesh, V. D., Ayyadurai, M., Vijay, J., Malleni, S. P., & Tej, G. T. (2022, October). Process time reduction in fettling and grinding process using Mitsubishi robot. In AIP Conference Proceedings (Vol. 2519, No. 1, p. 040012). AIP Publishing LLC.
9. Ganesh, V. D., Ayyadurai, M., Vijay, J., Malleni, S. P., & Tej, G. T. (2022, October). Process time reduction in fettling and grinding process using Mitsubishi robot. In AIP Conference Proceedings (Vol. 2519, No. 1, p. 040012). AIP Publishing LLC.
10. Ayyadurai, M., Senthilkumar, C., Ramkumar, G., & Anitha, G. (2021, June). Distributed crash free media access control protocol for underwater sensor network. In 2021 5th International Conference on Trends in Electronics and Informatics (ICOEI) (pp. 699-703). IEEE.
11. Ayyadurai, M., Ramkumar, G., & Anitha, G. (2021, June). Investigation on Tunable antenna with Polarization Using Cascaded BLC Feed Network. In 2021 5th International Conference on Trends in Electronics and Informatics (ICOEI) (pp. 257-260). IEEE.
12. Poornachandu, C. V., & Ayyadurai, M. (2022, April). Hybrid Unequal Energy Efficient Clustering for Device to Device Network in 5G Compared with Collaborative Proactive Routing Protocol. In 2022 3rd International Conference on Intelligent Engineering and Management (ICIEM) (pp. 344-350). IEEE.

13. Ayyadurai, M., Raj, P. V., Vijayaraj, A., Dhanagopal, R., & Kumar, R. S. (2022, April). Hybrid Atom Search-Heap Energy Optimization Algorithm for Dynamic Topology in Underwater Acoustic Sensor Network. In 2022 6th International Conference on Devices, Circuits and Systems (ICDCS) (pp. 472-476). IEEE.
14. C. V. Poornachandu and M. Ayyadurai, "Multihop Network Protocol Design for Overlaid Device to Device Communication in Hybrid Network Comparing with Single Hop Network," 2022 14th International Conference on Mathematics, Actuarial Science, Computer Science and Statistics (MACS), Karachi, Pakistan, 2022, pp. 1-6, doi: 10.1109/MACS56771.2022.10023029.
15. K. N. Reddy and M. Ayyadurai, "Distributed Energy Optimization Protocol using Crow Search Algorithm in Underwater Acoustic Sensor Network for Energy Enhancement Comparing with Depth Based Routing Algorithm," 2022 14th International Conference on Mathematics, Actuarial Science, Computer Science and Statistics (MACS), Karachi, Pakistan, 2022, pp. 1-6, doi: 10.1109/MACS56771.2022.10022602.
16. A. M, S. S, P. G. R and G. B. S, "Cloud Computing Based Workload Optimization using Long Short Term Memory Algorithm," 2022 Third International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE), Bengaluru, India, 2022, pp. 1-7, doi: 10.1109/ICSTCEE56972.2022.10099864.
17. Book Chapter- <https://doi.org/10.1002/9781119896715.ch5> ,Novel Hybrid Optimal Deep Network and Optimization Approach for Human Face Emotion Recognition,Wiley Online Library,2023.