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List of Publications

INTERNATIONAL JOURNALS

1. Dr. T. Prem Jacob, Pravin, A., Nagarajan, G. An intelligent and secure healthcare framework for the prediction and prevention of Dengue virus outbreak using fog computing. *Health Technol.* 10, 303–311 (2020). <https://doi.org/10.1007/s12553-019-00308-5>
2. Dr. T. Prem Jacob, S. Panimalar, (2020) A Study of Biology-Based Congestion Control Algorithms for Wireless Sensor Network. In: Balaji S., Rocha Á., Chung YN. (eds) *Intelligent Communication Technologies and Virtual Mobile Networks. ICICV 2019. Lecture Notes on Data Engineering and Communications Technologies*, vol 33. Springer, Cham. https://doi.org/10.1007/978-3-030-28364-3_25
3. Dr. T. Prem Jacob, S. Panimalar, "A Comparative Study of Hybrid Optimized Algorithms for Congestion Control in Wireless Sensor Network," 2020 International Conference on Communication and Signal Processing (ICCSP), Chennai, India, 2020, pp. 889-893, doi: 10.1109/ICCSP48568.2020.9182194.
4. Dr. T. Prem Jacob, and K. Pradeep. "A Multi-objective Optimal Task Scheduling in Cloud Environment Using Cuckoo Particle Swarm Optimization." **Wireless Personal Communications** 109.1 (2019): 315-331.
5. Jacob, T. Prem, A. Pravin, and G. Nagarajan. "Efficient spectrum sensing framework for cognitive networks." **Concurrency and Computation: Practice and Experience**: e5187.
6. Jacob, T. P., Pravin, A., & Nagarajan, G. (2019). Robust technique for data security in multicloud storage using dynamic slicing with hybrid cryptographic technique. **Journal of Ambient Intelligence and Humanized Computing**, 1-8.
7. Jacob, T. P., & Pradeep, K., (2018). A hybrid approach for task scheduling using the cuckoo and harmony search in cloud computing environment. **Wireless Personal Communications**, 101(4), 2287-2311.

8. Jacob, T. Prem, A. Pravin, and P. Asha. "Arduino Object Follower with Augmented Reality." **International Journal of Engineering & Technology**, 7.3.27 (2018): 108-110.
9. Kanimozhi, V., & Jacob, T. P. (2019). Artificial Intelligence based Network Intrusion Detection with hyper-parameter optimization tuning on the realistic cyber dataset CSE-CIC-IDS2018 using cloud computing. **ICT Express**. doi:10.1016/j.ict.2019.03.003
10. Minu, R. I., Nagarajan, G., Jacob, T. P. & Pravin, A. (2019). BIP: A dimensionality reduction for image indexing. **ICT Express**, 5(3), 187-191.
11. Krishna Doss, Pradeep, and Prem Jacob. "OLOA: Based task scheduling in heterogeneous clouds." **International Journal of Intelligent Engineering and Systems** 12.1 (2019).
12. Kanth, R. R., & Jacob, T. P. (2019). A Survey On Privacy Preserving Schemes and Performance With Multiple and Individual Data Sets. **Journal of Critical Reviews**, 6(4), 57-64.
13. Pandian, A., Varadharajulu, B., John, A. M., & Jacob, P. (2019). A Comprehensive View of Scheduling Algorithms for Map Reduce Framework in Hadoop. **Journal of Computational and Theoretical Nanoscience**, 16(8), 3582-3586.
14. Kanimozhi, V., & Jacob, T. P., UNSW-NB15 Dataset Feature Selection and Network Intrusion Detection using Deep Learning, **International Journal of Recent Technology and Engineering** (IJRTE) ISSN: 2277-3878, Volume-7 Issue-5S2, January 2019.
15. Pradeep, K., & Jacob, T. P. (2018). CGSA scheduler: A multi-objective-based hybrid approach for task scheduling in cloud environment. **Information Security Journal: A Global Perspective**, 27(2), 77-91.
16. Pravin, A., T. Prem Jacob, and P. Asha. "Enhancement of plant monitoring using IoT." **International Journal of Engineering and Technology** (UAE) 7.3 (2018): 53-5.
17. Krishnadoss, P., & Jacob, P. (2018). OCSA: task scheduling algorithm in cloud computing environment. **International Journal of Intelligent Engineering and Systems**, 11(3), 271-279.
18. Dr.T Prem Jacob, K Pradeep, CGSA scheduler: A multi-objective-based hybrid approach for task scheduling in cloud environment (2017), **Taylor and Francis, Information Security Journal A Global Perspective**, pp.no. 1-15.
19. Prem Jacob T, Panimalar S, A Study of Biology-Based Congestion Control Algorithms for Wireless Sensor Network, Lecture Notes on Data Engineering and Communications Technologies, Springer 2020.

20. Dr.T.Prem Jacob, K.N.Karthick Kumar (2017), Security Enhancement Using Motion Detection, **International Journal of Computer Science and Information Technology and Security**, Vol 7, Issue No.2, pp.no 23-26.
21. Dr.T.Prem Jacob, Prachi Sudam Hule, Node Behaviour Monitoring And Removal Of Faulty Nodes In Wireless Network, (2016), **ARNP Journal of Engineering and Applied Sciences**, Vol 11, Issue 13, pp.no. 8401-8404.

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1. Kumar, S., Goyal, R., Prem Jacob, T., Office automation for digital India, 2018 **International Conference on Emerging Trends and Innovations in Engineering and Technological Research**, ICETIETR 2018.
2. Hinduja, D., Dheebhika, R., & Jacob, T. P. (2019, April). Enhanced Character Recognition using Deep Neural Network-A Survey. In 2019 **International Conference on Communication and Signal Processing** (ICCSP) (pp. 0438-0440). IEEE.
3. Varun, Kollipara Sai, I. Puneeth, and T. Prem Jacob. "Virtual Mouse Implementation using Open CV." 2019 3rd **International Conference on Trends in Electronics and Informatics** (ICOEI). IEEE, 2019.
4. Kanimozhi, V., & Jacob, T. P. (2019, April). Artificial Intelligence based Network Intrusion Detection with hyper-parameter optimization tuning. In 2019 **International Conference on Communication and Signal Processing** (ICCSP) (pp. 0033-0036). IEEE.
5. Varun, K. S., Puneeth, I., & Jacob, T. P. (2019, April). Hand gesture recognition and implementation for disables using CNN'S. In 2019 **International Conference on Communication and Signal Processing** (ICCSP) (pp. 0592-0595). IEEE.
6. Kumar, K. K., Natraj, H., & Jacob, T. P. (2017, April). Motion activated security camera using Raspberry Pi. In 2017 **International Conference on Communication and Signal Processing** (ICCSP) (pp. 1598-1601). IEEE.
7. Dr.T.Prem Jacob, K.Pradeep, Comparative analysis of scheduling and load balancing algorithms in cloud environment, (2016), IEEE 2016 **International Conference on Control, Instrumentation, Communication and Computational Technologies** (ICCICCT), pp.no. 526-531.