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Total experience (in years): 2.8

Research area: Cloud Computing,
Computer Networks

Recent Publications:

1. V.Raghav Shankar, S. Suchitra, **Pavithra.B**, P. Selvi Rajendran, S. G. Gino Sophia M. Judith Leo, “Energy Optimization for Smart Home Automation in Multi-Cloud Environment”, 5th IEEE International Conference on Inventive Computation Technologies (ICICT-2020) at RVS Technical Campus, Coimbatore, 26-28 February 2020, IEEE Xplore Digital Library Electronic ISBN: 978-1-7281-4685-0, **Scopus**, 2020.
2. **Pavithra.B**, Suchitra, S., Gino Sophia, S.G., Jisha Lia George, “ SDN based energy efficient cloud data center networks”, International Journal of Innovative Technology and Exploring Engineering, Volume 8, Issue 12, October 2019, Pages 4250-4256, DOI: 10.35940/ijitee.L2703.1081219, **Scopus**, 2019.
3. Suchitra, S., Sathya Priya, S., Poovaraghan, R.J., **Pavithra.B**, Mercy Faustina, J., “Intelligent driver warning system using deep learning-based facial expression recognition”, International Journal of Recent Technology and Engineering, Volume 8, Issue 3, September 2019, Pages 831-838, DOI: 10.35940/ijrte.C4028.098319, **Scopus**, 2019.
4. **Pavithra.B.**, Suchitra, S., Subbulakshmi, P., Faustina, J.M., “RFID based Smart Automatic Vehicle Management System for Healthcare Applications”, 3rd International Conference on Electronics and Communication and Aerospace Technology, ICECA 2019, Pages 390-394, Electronic ISBN: 978-172810167-5/\$31.00 © 2019 IEEE Xplore Digital Library (**Scopus**) DOI: 10.1109/ICECA.2019.8821986.
5. **Pavithra.B**, Suchitra, S., Subbulakshmi, P., “Load Balancing in Cloud Environment using Self-Governing Agent”, 3rd International Conference on Electronics and Communication and Aerospace Technology, ICECA 2019, Pages 480-483, Electronic ISBN: 978-172810167-5/\$31.00 © 2019 IEEE Xplore Digital Library (**Scopus**) DOI: 10.1109/ICECA.2019.8821910
6. **Pavithra.B**, “Efficient energy utilization using DE-Leach clustering approach and prolonging network lifetime in wireless sensor networks”, International Journal of Latest

Trends in Engineering and Technology, UGC Approved Journal, Special Issue April 2018, Page No. 63 – 70.

7. **Pavithra.B** and Ranjana.R, “Energy Efficient Resource Provisioning with Dynamic VM Placement Using Energy Aware Load Balancer in Cloud”, at the 5th IEEE International Conference on Information Communication and Embedded Systems (ICICES 2016), February 2016, Electronic ISBN: 978-1-5090-2552-7/\$31.00 © 2016 **IEEE** Xplore Digital Library (**Scopus**), Page no. 1-6, DOI: 10.1109/ICICES.2016.7518919.
8. **Pavithra.B** and Ranjana.R, “A Comparative Study on Performance of Energy Efficient Load Balancing Techniques in Cloud”, at the IEEE International Conference on Wireless Communications Signal Processing and Networking (WiSPNET 2016), March 2016, Electronic ISBN: 978-1-4673-9338-6/16/\$31.00 © 2016 **IEEE** Xplore Digital Library (SCOPUS), Page no. 1192–1196, DOI: 10.1109/WiSPNET.2016.7566325
9. **Pavithra.B**, “Governing Energy Awareness in Cloud Data Center”, at the International Conference on Science Technology Engineering and Management – ICONSTEM 2016 at Jeppiaar Engineering College, Chennai on 30th March 2016, published in International Journal for Scientific Research and Development (IJSRD), IJSRDV4I40344, Volume 4, Issue 4, June 2016, Page no. 330-334, ISSN(online): 2321-0613.
10. **Pavithra.B** and Ranjana.R, “Performance Comparison of Energy Aware Load Balancers in Cloud”, presented at the International Conference on Recent Trends in Computing Technology (ICRTCT 2016) at University of Madras on 22nd February 2016.
11. **Pavithra.B** and Ranjana.R, “A Survey on Energy Aware Resource Allocation Techniques in Cloud”, International Journal of Science, Engineering and Technology Research (IJSETR), ISSN: 2278-7798 Volume 4, Issue 11, Page no. 3751-3755, November 2015.
12. **Pavithra.B** and Ranjana.R, “A Survey on Energy Aware Resource Allocation Techniques in Cloud”, National Conference on Recent Trends in Computer Science Engineering and Technology-NCRTCSET 2K15, published in International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE), ISSN: 0976-1353 Volume 18 Issue 3, Page no. 101-106 – NOVEMBER 2015 (SPECIAL ISSUE).
13. **Pavithra.B**, “A Survey on SDN based Energy Efficient Cloud Data Center”, presented at the National Conference on Recent Trends in Computing and Technology (NCRTCT 2016) at Sri Sairam Engineering College, Chennai on 29th April 2016.