DC MEMBER

Dr. D. Vydeki, Associate Professor/ SENSE, VIT University, Chennai – 600127

Ph: 9600005340, email: vydeki.d@vit.ac.in

Specialization: Security in Wireless Sensor Networks

PUBLICATIONS DETAILS

- D.Vydeki, Preethi V, "A Comprehensive Review on the Diagnostic Methods for Specific Learning Disability among the Children of Rural Tamilnadu, India", Journal of Critical Reviews, Vol.7, Issue 19, pp. 5065-5070, September 2020. ISSN- 2394-5125; DOI: 10.31838/jcr.07.19.598. Scopus Indexed.
- 2. Bharati Patil, D. Vydeki, "Novel NDN based Routing Protocol for IoT Empowered Savvy City Applications", Journal of Advanced Research in Dynamical & Control Systems, Vol. 12, No. 7, pp. 235-243, July 2020.
- 3. S. Ramesh, D. Vydeki, "Rice Disease Detection and Classification Using Deep Neural Network Algorithm", Springer Lecture Notes in Networks and Systems, Vol.no. 106, pp. 555-566, April 2020.

DOI: 10.1007/978-981-15-2329-8_56

Ebook ISBN 978-981-15-2329-8

Hardcover ISBN 978-981-15-2328-1

- Vishesh Sharma, Yati Tomar, D. Vydeki, "Smart Shoe for Women Safety", Proceedings of the 10th International Conference on Awareness Science and Technology (iCAST) (October 2019), pp.353-356. (Scopus; IEEE Xplore-)
 - DOI: 10.1109/ICAwST.2019.8923204; Electronic ISSN: 2325-5994, Print ISSN: 2325-5986 (Scopus; Added to Xplore: 5th December 2019)
- 5. S. Ramesh, D. Vydeki, "Recognition and Classification of Paddy Leaf Diseases Using Optimized Deep Neural Network with Jaya Algorithm", Information Processing in Agriculture, Vol.7, pp. 249-260, June 2020. (Scopus Indexed)
 - DOI: https://doi.org/10.1016/j.inpa.2019.09.002.
- 6. Ramesh.S, Vydeki.D, "Rice Blast Disease Detection and Classification Using Machine Learning Algorithm", Proceedings of 2nd International Conference on

- Micro-Electronics and Telecommunication Engineering (ICMETE), September 2018, pp.255-259.
- 7. Ramesh.S, Vydeki.D, "Application of machine learning in detection of blast disease in South Indian rice crops", Journal of Phytology, Volume 11, April 2019, pp.31-37. (Scopus Indexed)
- 8. Dwij Sukeshkumar Sheth, Shantanu Singh, Prakhar S Mathur, Vydeki D, "Smart Laptop Bag With Machine Learning for Activity Recognition", Proceedings of the International Conference on Smart Systems and Inventive Technology (ICSSIT 2018), December 2018, pp.164 171. (IEEE Xplore-)

DOI: 10.1109/ICoAC44903.2018.8939062

Electronic ISBN: 978-1-7281-0353-2, Print on Demand (PoD) ISBN: 978-1-7281-0354-9; (Added to Xplore: 23rd December 2019)

 S. Kalyani, D. Vydeki, "Measurement and Analysis of QoS Parameters in RPL Network", Proceedings of the Tenth International Conference on Advanced Computing (ICoAC) (December 2018), pp. 307-312. (IEEE Xplore)

DOI: 10.1109/ICoAC44903.2018.8939052

Electronic ISBN: 978-1-7281-0353-2, Print on Demand (PoD) ISBN: 978-1-7281-0354-9; (Added to Xplore: 23rd December 2019)

- 10. Sethuram Rao.G, Vydeki.D, "Brain Tumor Detection Approaches: A Review", Proceedings of the International Conference on Smart Systems and Inventive Technology (ICSSIT 2018), December 2018, pp.479-488. (IEEE Xplore-July 2019/ Scopus)
- 11. Kalyani, S., Vydeki, D., "Survey of Rank Attack Detection Algorithms in Internet of Things", Proceedings of the International Conference on Advances in Computing, Communications and Informatics, ICACCI 2018, 30 November 2018, Article number 8554702, Pages 2136-2141, 2018. (IEEE Xplore – December 2018; Scopus Indexed)
- 12. Ramesh.S, Vydeki.D, "Rice-Blast Disease Monitoring Using Mobile App", International Journal of Engineering and Technology, Volume 7 (3.6), July 2018, 400 402. (Scopus till 2018)
- 13. Ramesh.S, Vydeki.D, "Crop Disease Identification Using Embedded IoT Systems", International Journal of Pure and Applied Mathematics, Volume 118, No. 20, March 2018, 143-147.

- 14. Vydeki Dharmar and Bhuvaneswaran Raghuvel Subramanian, "Design and Analysis of Cross Layer Approach in the Detection of Blackhole Attacks Using Adaptive Neuro-Fuzzy Inference System", ARPN Journal of Engineering and Applied Sciences, Vol. 12, No. 13, July 2017. (0.391)
- 15. Abhijit Ghanshyam Raut and D. Vydeki, "Design and Analysis of Fuzzy Based Wormhole Detection in MANET", International Journal of Engineering Research in Electronics and Communication Engineering (IJERECE) Vol 4, Issue 5, pp. 31-35, May 2017.
- 16. Madhur Gupta, Sneha Sanjay Jadhav, Vydeki D, "Smart Library Book Management System", Proceedings of International Conference on Emerging Trends in Engineering, Science and Technology, pp. 23-26, May 2017.
- 17. Bandana Kumari and D. Vydeki, "Performance Analysis of MANET In The Presence of Malicious Nodes", Proceedings of International Conference on NextGen Electronic Technologies: Silicon to Software (ICNETS2), pp. 79-83, March 2017 (IEEE Xplore Scopus Indexed)
- 18. J. Prathibanandhi and D. Vydeki, "Time synchronization using intelligent hybrid MAC protocol for wireless sensor networks", ARPN Journal of Engineering and Applied Sciences, Vol. 10, No. 8, MAY 2015. (0.391)
- 19. J.Prathibanandhi and D.Vydeki, "External Gradient Time Synchronization for Wireless Sensor Networks", International Journal of Applied Engineering Research, Vol. 10, No. 6, 2015.(0.181)
- 20. K. Mohan Kumar and D.Vydeki, "QoS Based Sleep Scheduling Algorithm with Improved Fairness for Internet of Things", International Journal of Applied Engineering Research, Volume 10, Number 20 (2015) Special Issues, pp.17849-17854. (0.181)
- 21. D.Vydeki and Devika Sampath, "Performance Analysis of Primary User Emulation Attacks in Cognitive Radio Networks", 5th International Conference on Advances in Communication, Network and Computing CNC 2014, Feb 21 22, Chennai (ELSEVIER Publication)
- 22. D.Vydeki and A.Saravana Ponrekha, "Performance Analysis of Cognitive Radio Sensor Network with Dynamic Channel Sensing", International Journal of Advanced Computer Technology, April 2014.

- 23. Vydeki, D. and Bhuvaneswaran, R.S. "Effect of Clustering in Designing a Fuzzy based Hybrid Intrusion Detection System for Mobile Ad hoc Networks", Journal of Computer Science, Vol. 9(4), pp. 521-525, 2013. (0.561)
- 24. P.Revathi, M.M,Sahana and Vydeki Dharmar, "Cross Layer Detection of Wormhole In MANET Using FIS", ITSI Transactions on Electrical and Electronics Engineering (ITSI-TEEE), Vol.1(3), pp. 75-79, 2013.
- 25. Vydeki Dharmar, Ayisha Razeena Parveen, M.A. Bhuvaneswaran, R.S. "Blackhole Detection in Ad hoc Networks using Neural Networks", Journal of Innovation in Computer Science and Engineering, Vol. 2(1), pp 29-33, 2012.
- 26. Vydeki, D. and Bhuvaneswaran, R.S. "Design of Wireless IDS using Adaptive Neurofuzzy Inference System", European Journal of Scientific Research, Vol.90, Issue 1, pp 149-156, 2012.
- 27. Vydeki, D., Sujatha, K.S. and Bhuvaneswaran, R.S. "Design of Soft Computing based Blackhole Detection in MANET", SIGMAP 2012, WINSYS 2012 Proceedings of the International Conference on Signal Processing and Multimedia Applications and Wireless Information Networks and Systems pp. 283-288, 2012 (Scopus Indexed).
- 28. Vydeki.D, Dr.R.S.Bhuvaneswaran, "A combinatorial approach for design of Fuzzy based Intrusion Detection System", 2nd International conference on Computer applications 2012, Pondicherry in association with ASDF India, ACM, SERSC Korea, pp 120-125, 2012
- 29. Sujatha, K.S., Vydeki, D. and Bhuvaneswaran, R.S. "Design of Genetic Algorithm based IDS for MANET", Proceedings of the International Conference on Recent Trends in Information and Technology, 6206796, pp 28-33, 2012. (IEEE Xplore Scopus Indexed).
- 30. Vydeki Dharmar and Jayanthy, K. "Design and Analysis of Specification Based IDS for Wireless Networks using Soft Computing", Proceedings of the International Conference on Communication Technologies ICT-2010, Springer LNCS Series, Cochin, pp 100-107, 2010 (Scopus Indexed).
- 31. S.Barath Balaji, R.Hariharan, D.Vydeki, "The Cross Layer Analysis Modification of Contention and Congestion Window Size", Proceedings of the International Conference on Educational and Network Technology 5532139, pp.111-115, 2010. (IEEE Xplore Scopus Indexed)