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### **List of Publications**

#### **International Journals**

1. **Vijayalakshmi, A** & Vanaja Ranjan, P 2013, 'Code Strategy Algorithm for Online Power Quality Monitoring of Electrical Equipment using WSN under Tiny-Os Environment', Journal of Theoretical and applied Information Technology, vol. 57, no. 3, pp. 465-473.
2. **Vijayalakshmi, A**, Arthi, K & Vanaja Ranjan, P 2013, 'Network Lifetime Enhancement in Wireless Sensor Networks using Fuzzy logic based Clustering Algorithm', International Journal of Soft Computing, vol. 8, no. 5, pp. 321-326.
3. **Vijayalakshmi, A**, Arthi, K, & Vanaja Ranjan, P 2013, 'Critical Event Based Multichannel Process Control Monitoring using WSN for Industrial Applications', Procedia Engineering, Elsevier Publishers, vol. 64, pp. 142-148.
4. Arthi, K, **Vijayalakshmi, A** & Vanaja Ranjan, P 2013, 'Fuzzy logic based Clustering Algorithm for Network Lifetime Enhancement in Wireless Sensor Networks', International Journal of Soft Computing, vol. 8, no. 6, pp. 386-392.
5. **Vijayalakshmi, A** & Vanaja Ranjan, P, 2015 'Fuzzy Logic based CH Selection for Secured Data Communication with PVR Encryption using VK-Constructs', Asian Journal of Information Technology, 2015, 15 (11), 1746-1757.
6. **Vijayalakshmi, A** & Vanaja Ranjan, P, 2015 'Pattern Viable Restoration Technique with Novel VK Script for Secured Data Transmission in WSN', Australian Journal of Basic and Applied Sciences, vol. 9, no. 35, 291-299.
7. **Vijayalakshmi, A** & Shalini, W, 2016 "Energy Efficient Sink Relocation Scheme (EE-SRS) For Enhanced Network Lifetime in Wireless Sensor Networks" International

8. **Vijayalakshmi, A** & Vanaja Ranjan, P, 2019 ‘Multi-Cluster Multi-Channel Monitoring (Triple-M) Algorithm for WSN’, International journal of Computer networks and communication, vol. 11, no. 6, pp. 91-110
9. **Vijayalakshmi, A**, Ebenezer Abishek B, C Arul Stephen, 2019 , “IoT based Sensor Fusion Algorithm for Online Smart Health Monitoring”, International Journal of Recent Technology and Engineering (IJRTE), vol. 8, no. 2, pp. 6040-6046.
10. **Vijayalakshmi, A, Arul Stephen.C** & B. Ebenezer Abishek, 2019 “Development of Safety Zone Detection and Automatic Vehicle Control System using Wireless Communication”, Journal of Applied Science and Computations, vol.5, no.12, pp. 1767-1772
11. B. Ebenezer Abishek, Arul Stephen.C & **Vijayalakshmi, A**, 2019 “VLSI implementation of a Reliable Communication Methodology for Vehicular Satellite Communication, JASC, vol.5, no.12, pp. 1773-1778
12. Antony Veera Puthira Raja.J, B. Ebenezer Abishek, Arul Stephen.C & **Vijayalakshmi, A**, 2019 “ GSM baed energy efficient meter reading system with Accounting”, Journal of Applied Science and Computations, vol.5, no.12, pp.1759-1766
13. **A. Vijayalakshmi1**, S. Tharun Kumar, M. S. Aswin Balaji , 2020, “Development of Deep learning based Object Recognition (RDL) Algorithm for Visually Impaired”, Journal of Xidian University, vol. 14, no. 4.
14. **A. Vijayalakshmi1**, Saran. V, Mohamad Rifakath, 2020, “INTERFERENCE-FREE INTERCOMMUNICATION BETWEEN UAVs”, Journal of Xidian University, vol. 14, no. 7
15. Mohana Priya.G, K.S.Archana, M.Latha, Ebenezer Abishek.B, A. Vijayalakshmi, C.Arul Stephen , 2020 , " Strategic Decision and Support System for Educational Universities using Machine Learning" Journal of Computational and Theoretical Nanoscience .

### **International Conference**

1. **Vijayalakshmi. A** & Asif Sardar Shaikh, “ Internet of Drone for Advanced Search and Extricate Operation”, Springer international conference on Green Technologies for power Generation, Communication and Instrumentation, April 2019.
2. **Vijayalakshmi, A**, Rubini, S, “Survival of ICU Patient Health Monitoring using IoT”, International Conference on Advanced Functional Materials (ICAFM17), May 2017.

3. **Vijayalakshmi, A,** Arthi, K & Vanaja Ranjan, P, 'Critical Event Based Multichannel Process Control Monitoring using WSN for Industrial Applications', International Conference on Design and Manufacturing, IIT D&M, Mar 2013
4. **Vijayalakshmi. A** & Vanaja Ranjan. P, 'Slot Management based Energy Aware Routing (SMEAR) for Wireless Sensor Networks', IEEE International Conference on Computing, Communication and Applications (ICCCA), indexed in **IEEE Xplore Digital Library**, Feb 2012.
5. **Vijayalakshmi. A &** Kumaresan. N, 'Designing and Mapping of a Turbo Decoder for 3G mobile Systems', 4<sup>th</sup> National Conference on Signals, Systems and Communication, CEG, Anna University, May 2008.