

## **BOOKS AND PUBLICATIONS**

### **Publications in Journals**

#### **2016-2017**

1. Lavanya S., 'Performance Analysis of Hybrid Mechanism to Improve Reliability in Wireless Sensor Networks', International Journal of Computer Techniques, ISSN: 2394-2231, 2016.
2. Lavanya S., 'Performance Analysis of Hybrid Mechanism to Improve Reliability in Wireless Sensor Networks', International Journal of Computer Techniques, ISSN: 2394-2231, 2016.
3. Lavanya S., 'Comparative Study of Scheduled and Unscheduled MAC Protocols in WSN, "International Journal of Engineering and Technology", e-ISSN: 2395- 0056, 2016.
4. Lavanya S., "Comparative Study on Wireless Sensor Network Integrated with Cloud Computing using Middleware Services", International Journal of Computer Techniques, e-ISSN: 2395- 0056, 2016.
5. Lavanya S., "Geographic- Aware Energy Efficient Forwarding Node Selection for Throughput Improvement in Wireless Sensor Network", ISSN 2348-120X; 2348-1196. 2016.
6. Lavanya S. and Prakasam S. 'Performance Analysis of Energy Efficient Dynamic Multilayer Cluster Designing Routing Protocol in Wireless Sensor Network', Indian Journal of Science and Technology, ISSN: 0974 – 5645, 2016, DOI: 10.17485, Vol. 9(48), pp. 01- 07.
7. Shanthi AL and Ramesh V. (2016) 'Mobile Computational Offloading using Cloudlets', IJREST International Journal for Research in Emerging Science and Technology., Vol. 2, Issue 1, pp 133-135.

#### **2017-2018**

1. Lavanya S., "Enhancing Performance for Orthogonal Frequency Division Multiplexing in Wireless System", ISSN: 2395-0056, 2017.
2. Lavanya S. Improving Energy-Efficiency in Wireless Body Area Network for M-Gear using Multihop Link Efficient Protocol (MLEP), International Journal of Computer Techniques, ISSN: 2394-2231, 2017.

3. Shanthi AL and Ramesh V. (2017) ‘Decentralized Applications Offloading to Mobile Clouds Using M-POMAC’, IEEE Xplore., pp 1-6.

#### **2018-2019**

1. Lavanya S. and Prakasam S. ‘Reliable Communication of Hybrid Data in Wireless Sensor Networks using Priority Queues’, International Journal of Information Technology, ISSN 2321-5976, Vol. 6, Issue 8, August 2018. (UGC APPROVED JOURNAL)
2. Lavanya S. and Prakasam S. ‘Energy Efficient and Reliable MAC Protocol for Intra-cluster Communication in Application Specific Wireless Sensor Networks’, International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 13, Number 1 pp. 471- 475, 2018. (UGC APPROVED JOURNAL)
3. Anbu Selvi Remitta and Lavanya S., (2018), “Seamless Access of Smart Healthcare Services in Virtual Machine Resource Migration using Honey bee optimization Algorithm with Cloudlet.
4. Shanthi AL and Ramesh V. (2018) ‘Deep Convolutional Neural Network with Modified Fuzzy C-Means Clustering Based Mobile Applications Offloading to Clouds’, Journal of Computational and Theoretical Nanoscience., Vol. 15, pp 2748–2757.
5. Shanthi AL and Ramesh V. (2018) ‘Optimal QoS Constrained Automated Offloading Method for Mobile Cloud Computing Using Particle Swarm Optimization’, International Journal of Research and Analytical Reviews., Vol. 5, Issue 12, pp 573-581.

#### **2019-2020**

1. S.Lavanya and Durgalakshmi , “A Comparative Analysis of Energy-Efficient and Improved QoS-Driven Task and Resource Scheduling in Mobile Cloud Computing Environment”, International Journal of Communication and Networking System, ISSN: 2278-2427, Edition 8, 2019.
2. Shanthi AL and Ramesh V. (2019) ‘Secured and Dynamic Decentralized Computational Offloading Framework for Mobile Cloud Computing’, International Journal of Innovative Technology and Exploring Engineering., Vol. 8, Issue 11, pp 2589-2593.

#### **2020-2021**

1. Lavanya S. (2020), “Video on-Demand Transcoding in Amazon Web Service Using Heterogeneous Cloud Services”, International Journal of Creative Research Thoughts, 2320-2882, Volume 8 Issue 10.

2. Shanthi AL and Ramesh V. (2020) 'DFOMAC - Decentralized Framework for Offloading Mobile Applications to Clouds', Journal of Advanced Research in Dynamical & Control Systems. Vol. 12, pp 1834-1846.

### **2022-2023**

1. S.Lavanya and Nithyashree R., "Forest Fire Monitoring System ", International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), ISSN: 2319-8753, 2023.

## **Publications in Proceedings**

### **2016-2017**

1. Shanthi AL and Ramesh V. (2016) 'Mobile Computational Offloading Architecture', In: Proceedings of National Conference on Big Data (NCBD 16) at Adhiparasakthi college of Arts and Science, Kalavai.
2. Shanthi AL and Ramesh V. (2016) 'Mobile Computational Offloading using Cloudlets', In: Proceedings of National Conference on Recent Trends in Computer Technology (NCRTCT 16) at Sri Balaji Chockalingam Engineering College, Arni.
3. Shanthi AL and Ramesh V. (2016) 'Security Issues in Mobile Computational Offloading', In: Proceedings of National Conference on NXTGEN Developments in Computer Science and Mathematics at Shree Chandraprabhu Jain College, Minjur, Chennai.

### **2017-2018**

1. Lavanya S. and Prakasam S. Performance analysis of Cluster Formation Schemes for Energy Conservation in Wireless Sensor Networks - IEEE International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies (ICAMMAET) , Bharath Institute of Higher Education and Research, February 16-18 (IEEE Xplore December 27 2017).
2. Shanthi AL and Ramesh V. (2017) 'Decentralized Applications Offloading to Mobile Clouds using M-POMAC', In: Proceedings of International Conference on Advanced

Computing and Communication Systems (ICACCS 2017) at Easwari Engineering College, Coimbatore. Received Best Paper Award.

## **2018-2019**

1. Lavanya S. and Prakasam S. Performance Analysis of Multilevel Clustering Protocol with Energy Efficiency and Reliability (MCPR)', 6<sup>th</sup> IEEE International Conference on Communication and Signal Processing, Adiparasakthi Engineering College, April 6-8 (IEEE Xplore February 8 2018).
2. Lavanya S. and Prakasam S. MAC Protocols for Reduced Power Consumption in Intra-Cluster Design for Wireless Sensor Networks', IEEE International Conference on Innovations in Power and Advanced Computing Technologies (i-PACT 2017), VIT University, April 21-22 (IEEE Xplore January 4 2018).
3. Shanthi AL and Ramesh V. (2018) 'A Deep Convolutional Neural Network using Fuzzy c means clustering based Offloading to Mobile Clouds', In: Proceedings of International Conference on "Advance Computing and Big Data Analytics (ICACB 18) at Kingston Engineering College, Vellore.
4. Shanthi AL and Ramesh V. (2018) 'A Deep convolutional Neural Network with Optimal Delay Cloudlet Selection based Offloading to Mobile Clouds', In: Proceedings of International Conference on Recent Trends in Science and Technology (ICRTST 18) at G.K.M College of Engineering and Technology, Chennai.

## **2019-2020**

1. S.Lavanya, Upasana S, "Effective Resource Planning for Interference Aware Throughput Maximization of Wireless Body Area Networks", Proceedings of International Conference on Recent Trends in Computing, Communication & Networking Technologies (ICRTCCNT), August 19, 2019.

2. Shanthi AL and Ramesh V. (2019) 'Dynamic Decentralized Computational Framework for Offloading Mobile Applications to Cloud', In: Proceedings of 5<sup>th</sup> International Conference on Computing Paradigms (ICCP 19) at Don Bosco College, Yelagiri Hills.