

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.
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8. Mrs. Kavitha S., Ms. Sindhu S. "Comparison of Integrated Development Environment (IDE) Debugging Tools: Eclipse Vs NetBeans", International Research Journal of Engineering and technology, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Vol-2, Issue 4, 2015.
9. Divya G.R., Kavitha S., "Evolving a Ultra-Flow Software Development Life cycle Model", International Research Journal of Computer Techniques, ISSN: 2394-2231, Vol-2 Issue 4, 2015.
10. Kavitha S., Shanthi C. "Software Vulnerability Prediction using Feature Subset Selection and Support Vector machine", International Research Journal of Engineering and technology, e- ISSN: 2395-0056, p-ISSN: 2395-0072, Vol-2 Issue 4, 2015.
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12. Kalaivani S., Kavitha S., “Comparative Study on Software Project Management Models”, International Research Journal of Engineering and technology, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Vol-2 Issue 4, 2015.

13. Jeevavallavi S.A., Kavitha S., “Test Code Quality with Issue Handling Performance”, International Research Journal of Engineering and technology, e-ISSN: 2395-0056, p-ISSN:2395-0072, Vol-2 Issue 4, 2015.

14. Amala J., Kavitha S., “Improved Software Project Scheduling by Event Based Optimization”, International Journal of Advanced and Innovative Research, ISSN: 2278-7844, Vol-5 Issue 5, 2016.

15. Kavitha S., Dhatchayini A., “Experimental Study of Software Quality Issue For SAP”, International Research Journal of Engineering and Technology, e-ISSN: 2395-0056, p-ISSN:2395-0072, Vol-3 Issue 5, 2016.

16. Mahalakshmi S., Kavitha S., “Software Program Plagiarism Detection using Longest Common Subsequence Method”, International Research Journal of Computer Techniques,ISSN: 2394-2231, Vol-3 issue-4, 2016.

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.
4. Divya S., Kavitha S., “Reduce the Internal and External Interruptions and improving Communications using Enhanced Advanced Pomodoro Technique in Agile Software Development”, International Research Journal of Engineering and Technology, e-ISSN:2395-0056, p-ISSN: 2395-0072, Vol-4 Issue 7, 2017.
5. Felicia Rose Anandhi D., Kavitha S., “Analyzing code Quality for Runtime Code Smell Detection using McCabe”, International Research Journal of Engineering and Technology, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Vol-5 Issue 8, 2018.
6. Kavitha S., Divya “Automated Error Detection for Python using Jenkins”, International Research Journal of Engineering and Technology, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Vol-5 Issue 8, 2018.
7. Kavitha S., “A Comparative Analysis of Open-Source Automated Web Testing Tools”, International Journal of Computer Techniques, ISSN: 2394-2231, Vol-5 Issue 6, 2018.

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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.
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6. Kavitha S., “Empirical Study on Data Mining Techniques for Breast Cancer Diagnosis”, Journal of Emerging Technologies and Innovative Research, ISSN: 2349-5162, Volume 6, Issue9, 2019.
7. Nivetha, Kavitha S., “Bidirectional Recurrent Neural Network Language Model Cross Entropy Churn Metrics for Defect Prediction Modelling”, International Journal of Engineering& Advanced Technology, ISSN: 2249-8958, Volume 8, Issue 6, 2019.

8. Kavitha S., “Automotive Software Process Improvement in Software Product Line using ASPLA Model”, International Journal of Scientific & Technology Research, ISSN: 2277-8616, Volume 8, issue 12, 2019.
9. Priyanga Devi S., Kavitha S., “A Systematic Code Quality Improvement using Rational Rose and Python for Execution in Self Adaptive System Models”, International Journal of Interdisciplinary Research & Innovations, ISSN: 2394-2231, Volume 7, issue-3, 2019.
10. Vidyaathulasiraman, Kavitha S., “Risk Prediction System using Data Mining Techniques in Gynecological Ovarian Cancer”, ICTACT Journal on Soft Computing (IJSC), ISSN: 2229-6956, Volume 9, Issue 4, 2019.
11. Kavitha S., Sindhuja & Dr. Vidyaathulasiraman “Empirical View of Convolutional Neural Network in Health care Using Deep Learning Techniques”, Journal of Information and Computational Science, ISSN: 1548 – 7741, Volume-10, Issue-9, 2020.
12. Surekha V., Kavitha S., “An Assessment Model to Foster the Adoption of Agile Software Product Line in the Automotive Domain”, An International Open Access Journal-Journal Emerging Technologies and Innovative Research, ISSN-2349-5162, 2019.

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.

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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.

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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.

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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

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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.

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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 5th International Conference on Computing Paradigms (ICCP 19) at Don Bosco College, Yelagiri Hills.

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1. Kavitha S., Dr. Vidyaathulasiraman "Optimized Detection of Ovarian Cancer Using ROI Based Segmentation and Classification with FR-CNN", Materials Today: Proceedings International Journal of Grid and Distributed Computing, ISSN: 2005-4262, Vol. 13, No. 2, (2020), 2020.
2. Kavitha S., Sindhuja C. "Ovary Tumor Prediction using R-C NN", International Journal of Advanced Research in Engineering and Technology (IJARET), ISSN print 0976-6480 and ISSNOnline :0976-6499, Volume 11, Issue 10, 2020.
3. Kavitha S., Dr. Vidyaathulasiraman "Identification of Proper Machine Learning Classification Model based on Image Annotation Techniques", Annals of R.S.C.B, ISSN-1583-6258, Vol. 25, Issue 4, 2021.
4. Kavitha S., Dr. Vidyaathulasiraman," Identification and Classification of Early-Stage Ovarian Cancer using Convolutional Neural Network", Elementary Education Online, ISSN: 1908-1924, Vol 20- Issue 4, 2021.
5. Kavitha S., Dr. Vidyaathulasiraman, "Comparative Analysis of Pre-Trained Classifier in Augmented Approach for Ovarian Image", Turkish Journal of Computer and Mathematics Education, ISSN: 2308-2325, Vol.:12, Issue 9, 2021.
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2022-2023

Patent Filed

Patent Titled "IOT Based Smart Irrigation System", Application No. & Date: 13445 & 16-02-2023, Publication Date: 05-05-2023,
Link : <https://search.ipindia.gov.in/DesignApplicationStatus/>

2023-2024

Dr. S.Kavitha, " Internet of Things", Charulatha Publications, 2024.