

Annexure IV

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List of Publications: 49

1. **Dr.S.Valarmathy**, S.Karthick, E.Prabhu, “Low Power Systolic Array Based Digital Filter for DSP Applications”, International Journal of Scientific world Journal (Annexure –I), Feb 2015.
2. **Dr.S.Valarmathy**, S.Kirubakaran, C.Kamalanathan and R.Swathi, “An Energy Efficient Routing Algorithm based on Data Compression in LEACH-C”, International Journal of Engineering Research & Technology ISSN: 2278-0181, March 2015.
3. M.Kalamani, **S.Valarmathy** and M.Krishnamoorthi, “Noise Tracking Algorithm for Speech Enhancement”, Applied Mathematics and Information Sciences, vol.9, no.2, pp.691-698, March 2015. Natural Science Publishers ISSN: 1935-0090 (Annexure I, IF-1.232).
4. M.Kalamani, **Dr.S.Valarmathy** and S.Anitha, “Automatic Speech Recognition using ELM and KNN Classifiers”, International Journal of Innovative Research in Computer and Communication Engineering, vol. 3, no. 4, April 2015.
5. **Dr.S.Valarmathy** and Dr.M.G.Sumithra, “Disease Identification in Cotton Plants Using Spatial FCM & PNN Classifier”, International Journal of Innovative Research in Computer, vol.3, no. 4, April 2015.
6. **Valarmathy S**, Arun Kumar M and Santhi E, “Comparative Analysis Of Diverse Frequency Domain Feature Extraction Schemes For Human Palm And Face Recognition Based On Machine Learning Approach”, International Journal of Applied Engineering Research (ISSN 0973-4562), vol.10, no.13, pp. 33514-33522, 2015 (Annexure II).
7. **Dr.S.Valarmathy**, S.P.Prakash, “Analysis of low power unsigned array multiplier architecture”, International Journal of Applied Engineering Research (ISSN 0973-4562), vol.10, no.14, pp. 34352-34356, 2015 (Annexure II).
8. **Dr.S.Valarmathy**, Mr.S.Kirubakarn, Mr.C.Kamalanathan, “Increase the data Availability for Cloud Environment”, International Journal of Applied Engineering Research (ISSN 0973-4562), vol.10, no.9, pp. 24083-24091, 2015 (Annexure II).
9. J.Aravinth and **Dr.S.Valarmathy**, “A Natural Optimization Algorithm to Fuse Scores for Multimodal Biometric Authentication”, International Journal of Applied Engineering Research (ISSN 0973-4562), vol.10, no.8 pp. 21341-21354, 2015 (Annexure II Scopus Indexed).
10. J.Aravinth and **Dr.S.Valarmathy**, “Multi Classifier Based Score Level Fusion of Multi-Modal Biometric Recognition and its Application to Remote Biometrics Authentication” Imaging Science Journal (Annexure I, SCI Indexed).

11. M.Nisha Angeline, **Dr.S.Valarmathy**, M.Viji, "Design of High Speed VLSI Architecture for Quark Family", IJSRD - International Journal for Scientific Research & Development, Vol. 3, Issue 03, 2015, 3439-3442, May 2015, ISSN (online): 2321-0613.
12. M.Nisha Angeline, **Dr.S.Valarmathy**, Ganga Priyadharshini, "Improvement of speed in light weight cryptographic algorithm – Spongnet family", IJSRD - International Journal for Scientific Research & Development, IJSRD - International Journal for Scientific Research & Development, Vol. 3, Issue 03, 2015, 1409-1412, May 2015, ISSN (online): 2321-0613.
13. M.Nisha Angeline, **Dr.S.Valarmathy**, M.Gayathri, "Analysis and design of PHOTON protocol architecture in high speed applications", IJSRD - International Journal for Scientific Research & Development, Vol. 3, Issue 03, 2015, 1420-1422, May 2015 ISSN (online): 2321-0613.
14. J.Aravinth and **Dr.S.Valarmathy**, "A Natural Optimization Algorithm to Fuse Scores for Multimodal Biometric Authentication", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 8 (2015) pp. 21341-21354, June 2015 (Annexure II)
15. G.Sekar and **Dr.S.Valarmathy**, "An Analysis of Image Compression Using Two Out of Two Visual Cryptography Scheme", Australian Journal of Basic and Applied Sciences, vol.9, no.27, pp.677-680, August 2015 (Annexure II)
16. **S. Valarmathy**, M. Arun Kumar, E. Santhi, "Comparative analysis of diverse frequency domain feature extraction schemes for human palm and face recognition based on machine learning approach", International Journal of Applied Engineering Research, vol.10, no.13, pp. 33514-33522, August 2015.(Annexure-II)
17. J.Aravinth and **Dr.S.Valarmathy**, "Multi Classifier Based Score Level Fusion of Multi-Modal Biometric Recognition and its Application to Remote Biometrics Authentication", The Imaging Science Journal. vol.64, no. 1,pp.1-14,December 2015 (Annexure I)
18. M. Arunkumar, **S. Valarmathy**, "Palm Print Identification Using Improved Histogram of Oriented Lines", Circuits and Systems, vol.7, n0.8, pp. 1665-1676, Jan. 2016, DOI:10.4236/cs.2016.78144.(Annexure-I Updated list)
19. C.Kamalanathan, **S.Valarmathy**, S.Kirubakaran, "Designing a Fuzzy logic based Trust and Reputation model for Secure resource allocation in cloud computing", International Arab Journal of Information Technology, vol.13, no.1, Jan.2016. ISSN:1683-3198 (Annexure I)
20. S.Kirubakaran, **S.Valarmathy**, C.Kamalanathan, "Design and Implementation of a Synchronous and Asynchronous Based Data replication Technique in Cloud computing", International Arab Journal of Information Technology, vol.13, no.2, March 2016. ISSN:1683-3198 (Annexure I)
21. **Dr.S.Valarmathy**, Mrs.P.Ramya and Ms.M.Gunavathi, "Design and Simulation of E-shape Fractal Antenna for Multiband Wireless Applications", South Asian Journal of Engineering and Technology Vol.2, No.18, pp.41–51, 2016. ISSN No: 2454-9614

22. M.Nisha Angeline, **Dr. S.Valarmathy**, "VLSI Design and FPGA Implementation of N Binary Multiplier Using N-1 Binary Multipliers", International Journal of Science and Research (IJSR), vol.5, no.3, March 2016, pp. 983-987.
23. M.Nisha Angeline, **Dr. S.Valarmathy**, "Design and VLSI Implementation of N X N Binary Multiplier Using Successive Approximation of (N-1) X (N-1) Binary Multipliers", International Journal of Science and Research (IJSR), vol.5, no.3, March 2016, pp. 988-992.
24. M.Nisha Angeline, **Dr. S.Valarmathy**, "Implementation of N-bit Binary Multiplication using N-1 bit Multiplication based on Nikhilam Sutra Principles and bit Reduction", Transylvanian Review: Vol XXIV, No. 7, Special Issue, May 2016, pp.982-992. (Annexure-I Updated list)
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26. Arunkumar, M & **Valarmarthy, S**, "Local Multi Code Pattern Generation for face identification", Intelligent Automation and Soft Computing, Taylor and Francis, vol. 23, no. 2, 2017. (Updated-2016 Journal, IF 0.644)
27. **Dr.S.Valarmathy**, Mr.K.S.Vairavel, "Human Identification by Fusing Face, Palm Iris", International Journal of Control Theory and Application, ISSN 0974-5572, Value 10, Issue 2, pp427-435 Feb 2017
28. **Dr.S.Valarmathy**, .K.S.Vairavel, "Implementing feature selection for Multimodal biometrics", International Journal on Biomedical Engineering and Technology, ISSN 1752-6426, Volume 23, Issue 3, pp242-260 March, 2017
29. **Dr.R.S.Valarmathy**, C.Kamalanathan, S.Karthick, "Design and Performance Analysis of a Reconfigurable Fir Filter", International Journal of Innovations in Engineering and Technology (IJIET), Volume 8, issue 1, pp: 73-80, 2017, ISSN: 2319-1058.
30. **Dr.R.S.Valarmathy**, Dr.C.Kamalanathan, Kavinkumar A R, Kishore K N, S.Karthick, "Accelerometer Based Wireless Air Mouse Control using Hand Gestures", International Journal of Emerging Trends in Research (IJOETR), Volume 2, issue 2, pp: 15-20, 2017, ISSN: 2455-6130.
31. **Dr.R.S.Valarmathy**, Dr.C.Kamalanathan, S.Karthick, "Maintaining The Security For Data Storage By Providing Privacy Protection in Cloud Computing", International Journal of Current Research in Engineering and Technology (IJCRET), Volume 1, issue 1, March 2017.
32. **Dr.R.S.Valarmathy**, Dr.C.Kamalanathan, Karthick Raj, Nandhakumar G, S.Karthick, "Fingerprint Based Passport Verification System", International Journal of Current Research in Engineering and Technology (IJCRET), Volume 1, issue 1, pp: 15-20, March 2017.

33. Ramya P., **Valarmathi R S**, “Design and Implementation of Fractal Antenna with Integrated Parallel Line Coupled Band pass Filter for Multiband Applications”, CiiT International Journal of Wireless communication, July 2017.
34. M.Kalamani, M.Krishnamoorthi, **R.S.Valarmathi**, “Delta Mel Frequency Central Coefficient based Feature Extraction Algorithm for Continuous Tamil Speech Recognition”, CiiT journal of Digital Signal Processing, vol 9, no 9, pp: 177 –184, November – December, 2017.
35. M.Kalamani, M.Krishnamoorthi, **R.S.Valarmathi**, “Feature Clustering and Labelling Technique for Continuous Speech Recognition”, International Journal of Advance Research in Science and Engineering, vol.6, no.12, December 2017 (IF-2.83).
36. M.Kalamani, M.Krishnamoorthi, **R.S.Valarmathi**, “Modified Least Mean Square Adaptive Noise Reduction algorithm for Tamil Speech Signal under Noisy Environments”, International Journal of Pure and Applied Mathematics, vol.119, no. 16b, pp.4461-4466, 2018 (SCOPUS).
37. M.Kalamani, M.Krishnamoorthi, **R.S.Valarmathi**, “Continuous Speech Recognition Using Gaussian Mixture Model”, International Journal of Pure and Applied Mathematics, vol.119, no. 16b, pp. 4513-4518, 2018 (SCOPUS).
38. **Valarmathi R S**, J. Haritha, Gowthaman S, Jawaharajan B, “Detection of urea adulteration in milk using Gas sensor”, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Vol.4, No.5, 2018.
39. Prakash.S.P, **Valarmathi.R.S**, M.Abdhullah, S.Kirubakaran, “Design and Analysis of Low Power Braun Multiplier Architecture”, International Journal of Pure and Applied Mathematics Vol. 119,No. 16b, pp.4357-4363, 2018.
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41. Dr.S.Karthick, R.NirmalKumar, Dr.C.Kamalanathan, **Dr.R.S.Valarmathi**, “Energy Efficient Adder Circuits for Multiply and Accumulation Unit”, International Journal of Pure and Applied Mathematics, Vol. 119, No. 16b, pp. 4467-4484, 2018.
42. Mr.K.S.Vairavel, **Dr.R.S.Valarmathi**, “Multimodal Human Identification by using Hybrid PSO”, International Journal of Pure and Applied Mathematics, Vol.119, No. 16b, pp. 4529-4537, 2018.
43. Arunkumar M, **Valarmathi R S**, “Multimodal Palm print Identification Using soft computing techniques”, Journal of Advanced Research in Dynamical and Control Systems, vol.10, no.4, pp. 291-301, 2018.
44. **Valarmathy.S**, ArunKumar.M, Sangeetha.R, “Evaluation of Face Recognition Using Vector Features In Local Pattern”, 3rd International conference on Devices, circuits and system, Karpagam College of Engineering, Coimbatore, March 2016.
45. **S.Valarmathy**, S.Saranya, “Topological Model and Classification of Clustered Microclacification in Mammogram”, in the proceedings of 3rd IEEE International Conference on Innovations in Information Embedded and Communication Systems-2016

(ICIIECS-2016), vol. 8, Karpagam College of Engineering, Coimbatore, 17th-18th March 2016, pp.2150-2154.

46. **Dr.S.Valarmathy**, P.Ramya, "Design and Simulation of E-Shape Fractal Antenna for Multiband Wireless Applications" , in the proceedings of International Conference on Emerging Trends in Science Engineering & Technology at Nandha College of Technology, Erode during 4-5 March 2016.
47. M.Kalamani, M.Krishnamoorthi, **R.S.Valarmathi**, "Fuzzy C-Means Clustering Technique for Continuous Tamil Speech Recognition under Noisy Environments", in the proceeding of 2nd IEEE International conference on Electronics, Communication and Aerospace Technology (ICECA 2018) conducted by RVS Technical Campus, Coimbatore during 29th – 31st March, 2018 (SCOPUS).
48. Ms. Preethi D, **Dr.R.S.Valarmathi**, "An analysis of FIR filter algorithms in Fetal Heart Rate Monitoring", International Conference on Advances in Communication and Computing Technolgy, Department of Electronics and Telecommunication Engineering, Amrutvahini College of Engineering, Sangamner, Maharashtra, India, February 2018
49. Ms. Preethi D, **Dr.R.S.Valarmathi**, "Classification and Suppression of Noises in Fetal Heart Rate Monitoring:A Survey", International Conference on Micro-Electronics, Electromagnetics and Telecommunications, Department of Electronics and Communication Engineering, GayatriVidyaParishad College of Engineering, Vishakhapatnam, Andhra Pradesh, India, February 2018